

Appendix A

Questionnaire



APPLICATION FOR EXEMPTION FROM ROTATING POWER OUTAGES DUE TO PUBLIC HEALTH OR SAFETY IMPACTS

Due to projected shortages in energy this summer (2001), the California Public Utilities Commission (CPUC) anticipates that rotating power outages will be necessary throughout some of the power grid in California. These outages are currently anticipated to last for approximately up to 2 hours, but they could be longer. The CPUC **may** grant exemptions to facilities whose electric distribution utility is either Pacific Gas & Electric (PG&E), San Diego Gas and Electric (SDG&E), or Southern California Edison (SCE), and who demonstrate clearly that rotating power outages are likely to pose a significant threat to public health or safety. At present, hospitals, air traffic control, emergency broadcast, and certain other facilities that are critical to protecting public health or safety are exempt from rotating power outages in California.

The number of customers who can be exempted is severely limited due to the necessity of maintaining a reasonable pool of customers from which to draw for rotating power outages. These outages are a vital tool in protecting the state from widespread electrical system collapse when demand for electricity exceeds supply.

If you wish to have your facility or operation considered for an exemption due to significant public health or safety impacts from a short-term loss in power, please complete the following application (Parts I–IV). Complete one application per facility for which you are requesting an exemption from rotating power outages. A “facility” is defined as a building or a set of buildings involved in the same process. **All completed applications will be considered and ranked based on potential health or safety impacts only; claims of economic harm or inconvenience to the customer will not be considered.** Over 600,000 nonresidential customers will be notified of this process. The CPUC expects that a very small number of additional customers can be granted exemptions while maintaining reliability of the state’s electrical systems supply. **This application does not apply to residential customers.**

Information submitted by the applicant to the CPUC will be made publicly available with the exception of questions noted as confidential.

Many questions about this application are answered on our web site (www.rotating-outages.com). Click on the Frequently Asked Questions (FAQs) link. If you have questions that are not answered at our FAQs link, please e-mail us at questions@rotating-outages.com, or call our hotline at (888)741-1106.

INSTRUCTIONS FOR COMPLETING APPLICATION

1. If you currently are identified by your electric distribution utility as an “essential use customer” (i.e., the CPUC has designated certain users as exempt from rotating power outages), you do not need to complete this form. If you have a question as to whether you are an essential use customer, please call your electric distribution utility.
2. If you are on an exempt circuit and are not classified as an essential user, but believe you should be, then you should complete this application.
3. This application should be completed by the facility manager in conjunction with the health and safety officer.
4. Submit a separate application for each facility address for which you are requesting an exemption.
5. To be considered for an exemption a completed application **must be faxed to the CPUC at (866)422-2929 and received no later than June 4, 2001, by 5:00 pm.** Applications received after this date, but before June 15 by 5:00 pm, will be evaluated at a later time. No applications will be accepted afterwards.
6. To all applicants: **When you fax in your application to the CPUC at (866)422-2929, fax all pages (1 through 9).**



PART II. FACILITY INFORMATION

General Information

- 2.1. Company/Organization Name:
2.2. Facility Name (as identified on your electric distribution utility bill):
2.3. Facility Address - please list all building numbers and/or street addresses
2.4. Name/Title/Contact Information of Individual Completing Form:
2.5. Please check the category that best describes your business. Check all that apply.
2.6. Describe the nature of your business:

Electrical Service

- 2.7. Who is your facility's electric distribution utility?
2.8. (Confidential) What is your facility's assigned Rotating Outage Block ID Number?
2.9. (Confidential) What is your facility's primary electric distribution utility account number?
2.10. (Confidential) What type of account does your facility have?



2.11. (Confidential) Does your facility currently participate in a demand reduction program (interruptible program)?

- Yes No

2.12. Does your facility have an uninterruptible power supply (UPS) that will address critical health or safety needs? (A facility's critical health or safety needs refer to those operations that are necessary to prevent a significant threat to public health or safety.)

- Yes No

Electrical Requirements

2.13. (Confidential) For August 2000, what was your facility's monthly energy usage? If information is not available, please estimate. _____ (kW-hr)

2.14. (Confidential) For August 2001, what is your facility's anticipated monthly energy usage? _____ (kW-hr)

2.15. Approximately how much of your facility's total electric load is necessary to support critical health or safety needs? (A facility's critical health or safety needs refer to those operations that are necessary to prevent a significant threat to public health or safety.) Express as a percentage of overall load.

- 0 1-25% 26-50% 51-75% 76-99% 100%

2.16. Does your facility have at least one backup generator on-site?

- Yes Yes, but shared No, but on order No

If no, please skip to Emergency Preparedness section (Question 2.19)

2.17. How long will the backup generator(s) support your facility's critical public health or safety needs? (A facility's critical health or safety needs refer to those operations that are necessary to prevent a significant threat to public health or safety.)

- Backup does not support Less than 2 hours 2 to 4 hours More than 4 hours critical health or safety needs

2.18. Approximately what percentage of your facility's critical public health or safety needs would be covered by your backup generator(s)?

- 0 1-25% 26-50% 51-75% 76-99% 100%

If less than 100 percent, please describe what critical health or safety needs are not covered by your facility's backup system(s): _____

Emergency Preparedness

2.19. Which of the following events are addressed in your facility's emergency response plan?

Check all that apply:

- Loss of power Loss of water Fire Earthquake Evacuation procedures Other (Please specify): _____

2.20. In the event of a rotating power outage, how long can your facility's emergency lighting systems stay on?

- No emergency lighting available Less than 2 hours 2 to 4 hours More than 4 hours



2.21. Approximately how many power outages that lasted more than 1 hour (from any cause) did your facility experience during 1996–2000?

- None, Fewer than 5, 5 to 10, 11 to 20, More than 20

If "None", please skip Questions 2.22 and 2.23.

2.22. As a result of these outages, which of the following impacts to workers or the general public (e.g., nearby residents, on-site customers and residents, etc.) occurred? Check all that apply.

Table with 3 columns: Health Impact, Employees, General Public. Rows include: No impacts or minor inconvenience, Minor health effects, Moderate health effects, Severe health effects, Death.

2.23. Considering your facility's experience with previous outages and any preventive actions taken, please indicate the likelihood of health impacts such as those described above from future rotating power outages.

- Less likely, Equally likely, More likely

If you have marked "Less likely" or "More likely", please explain: _____

Three horizontal lines for providing an explanation.



PART III. SERVICES AND EVENTS

Listed below are different types of facility services or events that without electrical power could result in an adverse impact on public health or safety. Indicate, by answering questions A through N, which areas are relevant to your facility. Assume your facility will have no advance notice when a rotating power outage will occur.

- A. Communications Does your facility provide essential broadcast communications for the general public such that without these services there could be an impact on public health or safety in the event of a rotating power outage? Yes No
- B. Equipment Failures Does your facility have mechanical equipment that could have an impact on health or safety in the event of a rotating power outage? Yes No
- C. Fire and Explosion Could a fire or explosion occur at your facility in the event of a rotating power outage? Yes No
- D. Food Supply Does your facility produce or store food products for the general public that could become contaminated and distributed in the event of a rotating power outage? Yes No
- E. Hazardous Releases Does your facility store hazardous materials that could be released and have an impact on public health or safety in the event of a rotating power outage? Yes No
- F. Health Care Facility Do you treat patients at your facility whose health would be adversely affected if treatment procedures were interrupted in the event of a rotating power outage? Yes No
- G. Heat Are there residents or patients at your facility whose health would be adversely affected by a loss in air conditioning or ventilation in the event of a rotating power outage? Yes No
- H. Medical Laboratory Does your facility process or maintain specimens or samples that are vital to patients' health and could be damaged or destroyed in the event of a rotating power outage? Yes No
- I. Medicine Does your facility produce or maintain a product, or provide a service, that is vital to patients' health and could be adversely affected in the event of a rotating power outage? Yes No
- J. Public Venues Is your facility a large public venue where public health or safety could be impacted in the event of a rotating power outage? Yes No
- K. Security Does your facility provide security services for the general public that could be compromised as a result of a rotating power outage? Yes No
- L. Transportation Does your agency or company manage public transportation services or a major transportation corridor that could have an impact on public health or safety in the event of a rotating power outage? Yes No
- M. Water District/
Water Company Does your facility provide public water supplies that could become contaminated and distributed in the event of a rotating power outage? Yes No
- N. Other Are there any other public health or safety issues your facility would have to address that do not fall into the categories listed above? If "Yes", please explain _____

If you answered "no" to all categories (A through N), do not continue. You have completed the application.

Thank you



PART IV. PUBLIC HEALTH OR SAFETY

The following questions relate to potential public health or safety impacts that might occur at your facility in the event of an unannounced rotating power outage. Please consider all relevant facility services and events to which you responded "yes" in Part III. Estimate the total or cumulative impact of unannounced rotating power outages at your facility on public health or safety.

4.1. Please indicate the likelihood of the following public health or safety impacts (total from all services/ events) from an unannounced rotating power outage at your facility. Complete for both outage durations (A and B).

A. Less than 2 hours outage duration

Table with 4 columns: Public Health or Safety Impact, Very likely, Somewhat likely, Unlikely. Rows include Minor health effects, Moderate health effects, Severe health effects, and Death.

If you have marked "somewhat likely" or "very likely" for any public health or safety impact, please explain why:

Two horizontal lines for providing an explanation.

B. 2 to 4 hours outage duration

Table with 4 columns: Public Health or Safety Impact, Very likely, Somewhat likely, Unlikely. Rows include Minor health effects, Moderate health effects, Severe health effects, and Death.

If you have marked "somewhat likely" or "very likely" for any public health or safety impact, please explain why:

Two horizontal lines for providing an explanation.



4.2. Consider the number of **workers** at your facility. Of these, estimate how many workers (total from all services/events) are likely to experience the following public health or safety impacts from an unannounced rotating power outage. Complete for both outage durations (**A** and **B**).

A. Less than 2 hours outage duration

| Public Health or Safety Impact | Number of workers affected | | | | | | |
|--|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | 0 | 1-3 | 4-10 | 11-25 | 26-100 | 101-1000 | 1000+ |
| <u>Minor health effects</u> (requires on-site medical attention or first aid only) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <u>Moderate health effects</u> (requires emergency room or physician visit, but not in-patient hospitalization) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <u>Severe health effects</u> (requires in-patient hospitalization) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Death | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

If you have marked one or more workers for any public health or safety impact, please explain why: _____

B. 2 to 4 hours outage duration

| Public Health or Safety Impact | Number of workers affected | | | | | | |
|--|----------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | 0 | 1-3 | 4-10 | 11-25 | 26-100 | 101-1000 | 1000+ |
| <u>Minor health effects</u> (requires on-site medical attention or first aid only) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <u>Moderate health effects</u> (requires emergency room or physician visit, but not in-patient hospitalization) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <u>Severe health effects</u> (requires in-patient hospitalization) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Death | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

If you have marked one or more workers for any public health or safety impact, please explain why: _____



4.3. Consider the **general public** (e.g., nearby residents, on-site customers or residents, etc.) at risk from unannounced rotating power outages at your facility. Of these, estimate how many members of the general public are likely to experience the following public health or safety impacts. Complete for both outage durations (**A** and **B**).

A. Less than 2 hours outage duration

| Public Health or Safety Impact | Number of general public affected | | | | | | |
|--|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | 0 | 1-3 | 4-10 | 11-25 | 26-100 | 101-1000 | 1000+ |
| <u>Minor health effects</u> (requires on-site medical attention or first aid only) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <u>Moderate health effects</u> (requires emergency room or physician visit, but not in-patient hospitalization) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <u>Severe health effects</u> (requires in-patient hospitalization) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Death | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

If you have marked one or more members of the general public for any public health or safety impact, please explain why: _____

B. 2 to 4 hours outage duration

| Public Health or Safety Impact | Number of general public affected | | | | | | |
|--|-----------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | 0 | 1-3 | 4-10 | 11-25 | 26-100 | 101-1000 | 1000+ |
| <u>Minor health effects</u> (requires on-site medical attention or first aid only) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <u>Moderate health effects</u> (requires emergency room or physician visit, but not in-patient hospitalization) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| <u>Severe health effects</u> (requires in-patient hospitalization) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Death | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

If you have marked one or more members of the general public for any public health or safety impact, please explain why: _____

Appendix B

Press Release



California Public Utilities Commission

505 Van Ness Avenue, San Francisco, CA 94102

News Advisory

CONTACT: Sheri Inouye
415-703-3250

May 18, 2001
sni@cpuc.ca.gov

CPUC: 040

CPUC PRESS CONFERENCE MAY 21 IN LOS ANGELES WILL ANNOUNCE HOW TO APPLY FOR ROLLING OUTAGE EXEMPTION

The California Public Utilities Commission (CPUC) will hold a press conference on Monday, May 21, at 9 a.m. in the CPUC Hearing Room, Fifth Floor, 320 W. 4th St., Los Angeles, to announce the application process for business customers seeking exemptions to rolling blackouts.

Commissioner Carl W. Wood will answer questions about the process for business customers to apply to become essential-use customers. Essential-use customers are those who are currently exempt from rolling blackouts because their services are needed for public health and safety. They include hospitals, fire and police stations, and air traffic facilities, for example.

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The Communications Office is providing a two-way phone link so that press representatives may ask questions. Callers will need to identify themselves by announcing their name and media outlet prior to posing their question. The call-in number is 888-917-8050, passcode 92105.

Appendix C

Announcement Letter

R.00-10-002 CXW/t94

ATTACHMENT B

DIRECT MAIL NOTICE TO NON-RESIDENTIAL CUSTOMERS

Respondent utilities shall mail the following notice directly to non-residential customers.

IMPORTANT NOTICE TO NON-RESIDENTIAL CUSTOMERS

This summer, California is facing the possibility of frequent rotating electrical outages (blackouts). Certain customers, such as hospitals, fire and police stations, and air traffic control facilities, are classified as essential use customers and are normally exempt from rotating outages.

The number of customers who can be exempted is severely limited due to the necessity of maintaining a reasonable pool of customers from which to draw for rotating outages. These outages are a vital tool in protecting the state from widespread electrical system collapse when demand for electricity exceeds supply.

The California Public Utilities Commission (CPUC) is in the process of modifying the list of essential customers as necessary to protect public health and safety. The Commission is now considering applications from non-residential customers for essential customer status.

A non-residential customer of Pacific Gas and Electric, Southern California Edison and San Diego Gas and Electric may file an application seeking status as an essential use customer. Applicants are strongly encouraged to complete an electronic form on the CPUC's website (<http://www.rotating-outages.com>). Those applicants without internet access should call the toll-free information line at 1-888-741-1106.

The application shall be submitted by the customer, or may be submitted on behalf of the customer by an individual, a corporate officer, a government officer, an authorized agent, or an authorized employee.

The request must demonstrate that inclusion of the customer in a rotating outage presents jeopardy or imminent danger to public health or safety. Claims of economic harm or inconvenience to the customer will not be considered. Applications will not be accepted from residential customers.

R.00-10-002 CXW/t94

All applicants will be required to sign under penalty of perjury that the application is true and correct. Any claims of jeopardy or danger to public health or safety will be referred to appropriate state and local agencies including the Office of Emergency Service and the Occupational Health and Safety Administration.

Each application will be reviewed to determine the risk posed to public health and safety as a result of the applicant being subject to rotating outages. Applications will be prioritized based on risks posed to public health or safety. Utilities will analyze the effects on electric system reliability if exemptions are granted. The CPUC will review both the risk assessment and any effects on electric reliability associated with a request for essential use customer status.

A Draft Decision will be prepared in which applications for essential use customer status are granted or denied based risks posed to public health or safety. Comments may be filed and served on the Draft Decision. Any requests for exemptions that are submitted before 5:00 p.m. Pacific Daylight Time (PDT), June 1, 2001 will be acted upon on or before August 2, 2001.

Many customers share distribution circuits with essential customers and thus have not experienced rotating outages. **Because circuit configurations may change, customers who believe they currently qualify as essential use should contact their utility to verify their actual status.**

Applications must be received by 5:00 p.m. PDT, June 1, 2001 to ensure timely consideration. Applications filed after June 1, 2001 will be considered only if conditions permit additional exemptions.

If you have questions or need additional information please see the CPUC's special website (<http://www.rotating-outages.com>) or call the CPUC's toll-free information line at 1-888-741-1106.

(END OF ATTACHMENT B)

Appendix D

Select Pages from Web Site



California Public Utilities Commission

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Application for Exemption from Rotating Power Outages

If you wish to have your facility or operation considered for an exemption due to significant public health or safety impacts from a rotating power outage, please complete and submit electronically the following application. Complete one application per facility for which you are requesting an exemption from rotating power outages. To be considered for an exemption, a completed application must be submitted no later than June 1, 2001 by 5:00 pm.

[▶ Start New Online Application](#)[▶ Review or Modify Existing Application](#)[▶ Items Required for Application](#)[▶ Eligibility Criteria](#)[▶ CPUC Notice to Public](#)[▶ List of Filed Applications](#)

This website is best viewed with the following browsers:

Microsoft Internet Explorer versions 5.0, 5.5, and 6.0

Netscape 4.61, 4.77, 6.0 and 6.1

It is possible that if you are using another browser or an older version of Microsoft Internet Explorer and Netscape that some pages on the website may not appear correctly. We strongly encourage you to download one of the above versions of Microsoft Internet Explorer or Netscape.

Download Microsoft's Internet Explorer at: <http://www.microsoft.com/downloads/>

Download Netscape at: <http://home.netscape.com/computing/download/>



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Please Read These Instructions Before Proceeding

1. If you currently are identified by your electric distribution utility as an "essential use customer" (i.e., the CPUC has designated certain users as exempt from rotating power outages), you do not need to complete this form. If you have a question as to whether you are an essential use customer, please call your electric distribution utility.
2. If you are on an exempt circuit and are not classified as an essential use customer, but believe you should be, then you should complete this application.
3. This application should be completed by the facility manager in conjunction with the health and safety officer.
4. Submit a separate application for each facility address for which you are requesting an exemption.
5. During the application process you will have the opportunity to save and resume the application at a future time. To do this, you must have your Primary Electric Distribution Utility Account Number and the Application Number. The Application Number will be assigned to you at the beginning of the application process.
6. To be considered for an exemption, a completed application must be submitted no later than June 1, 2001 by 5:00 pm.
7. Many questions about this application are answered in the [Frequently Asked Questions \(FAQs\)](#) section.
8. We encourage you to review the list of [items required for application](#) before proceeding to file an online application.

Information submitted by the applicant to the CPUC will be made publicly available with the exception of questions noted as confidential.



FAQs (Frequently Asked Questions)

Q1: When are applications due?

A: The original deadline of 5:00 p.m. Pacific Daylight Time, June 1, 2001 has been extended to 5:00 p.m. Pacific Daylight Time, June 4, 2001. Applications received after this date, but before June 15 by 5:00 pm, may be evaluated at a later time. No applications will be accepted afterwards.

Q2: What is a rotating power outage?

A: Rotating power outages serve to protect the integrity of California's power supply by forcibly reducing demand when electricity supplies are low. These rotating outages are anticipated to last between 90 and 120 minutes.

Q3: Who can apply for exemptions?

A: This application process is only open to customers of Pacific Gas and Electric, San Diego Gas and Electric, and Southern California Edison. Customers of all other utilities may not apply. Residential customers may not apply.

Q4: Why are residential customers not being considered?

A: The CPUC is not accepting applications from residential customers. The process will be limited to non-residential customers at this time. A successful process for Summer 2001 must be focused so that it may yield the most benefits to the state in the limited time available. There is no evidence that rotating outages affect residential customers beyond the individual customer. The focus of this further consideration of essential customers includes jeopardy or danger, beyond harm or inconvenience, to the individual customer and to the wider public health or safety.

Q5: What is the exemption process about?

A: The CPUC is considering requests for exemption from these rotating outages for those customers who demonstrate that a loss of power will pose a significant risk to public health or safety.

Q6: Which customers are currently exempt from rotating outages?

A: In the early 1980s, the CPUC established categories of "essential use customers" that are exempt from rotating outages. The categories were designed to reduce the impact of rotating outages on public health or safety. Currently, exempt customers include hospitals, fire stations, police stations, military bases, prisons and airport and marine navigation systems, radio and TV broadcasting stations that are part of the emergency broadcast network, and some mass transit systems.

Q7: What is an essential use customer?

A: Essential use customers were identified by the CPUC as customers of Pacific Gas and Electric, San Diego Gas and Electric, and Southern California Edison whose services were needed to ensure the public health or safety when a rotating outage occurs.

Q8: How long will the rotating power outages last?

A: Rotating outages are estimated to average between 90 and 120 minutes in duration, but could last longer.

Q9: What is the process for notification of an imminent blackout?

A: Electrical outages can occur at any time without warning for several reasons (e.g., accidents such as a car hitting a power pole, shortages, natural disasters, and equipment failure). Therefore, everybody should be prepared. An Independent System Operator (ISO) order for curtailment may require shut-off of power in 10 minutes or less. When notified by the ISO, the utilities will notify life support and critical care customers, as circumstances (and time) permit. Utilities also notify large customers with demand of 300 kW or more, and other customers who can demonstrate major economic damage or clear and imminent danger to public health or safety, by telephone and/or other means. For all other customers, warnings of imminent blackouts, the number of the next block to be blacked out, or other relevant information are given by mass media, and no individual notification is generally provided. San Diego Gas and Electric and Southern California Edison were directed to include rotating outage blocks on customer bills beginning with bills issued no later than June 1, 2001. Pacific Gas and Electric's customers already have the rotating outage blocks identified on their bills. However, customers may at times be temporarily switched to other rotating blocks for operational or maintenance reasons.

Q10: Why is the CPUC considering exempting additional customers?

A: Over the last year, the CPUC has been reviewing plans of Pacific Gas and Electric, San Diego Gas and Electric, and Southern California Edison for implementing rotating outages during an electricity shortage. As a result of this review, the CPUC believes that categories of customers developed previously may not provide adequate protection to public health or safety during a rotating outage.

Q11: Why can't the CPUC exempt all customers who apply?

A: The CPUC and the ISO (the agency that operates the state's electrical transmission system) are both responsible for assuring reliable electric service. When demand for electricity exceeds supply, some customers must have their service temporarily curtailed or the state's entire electrical system will collapse. After studying these issues, both agencies agree that at least 40% of the summer peak electricity load must be available for rotating outages. Currently, the three largest utilities have approximately 50% of their summer peak load available for use during rotating outages. This leaves a small (i.e., less than 10%) amount of load that can be used to exempt additional customers that have a significant impact on public health or safety.

Q12: How many exemptions will the CPUC grant?

A: Very few. Over 600,000 non-residential customers will be notified of this process. The CPUC expects that a very small number of additional customers can be granted exemptions while maintaining reliability of the state's electrical supply system.

Q13: If I am already an "essential use customer," or if I am on a circuit exempt from rotating outages, do I need to apply?

A: If you know that your utility has identified your operations as qualifying for an essential use exemption, you do not need to apply. Many customers are exempt from rotating outages because they share a distribution circuit with an “essential use customer.” If you are on an exempt circuit and are not classified as essential use, but believe you should be, then you should apply. Utilities are continuously modifying circuits, and while you may currently receive service on an exempt circuit, that may not be the case in the future. You can verify your exemption status and circuit by contacting your utility.

Q14: How do I apply?

A: Customers who are not currently identified as essential use by their electric utility may apply by completing an application on the CPUC’s special web site (www.rotating-outages.com). Customers without access to the Internet may call (888) 741-1106 for assistance. All customers are encouraged to apply through the Internet site for the most timely and accurate processing of their request.

Q15: Where can I get an application?

A: Applications are available on the CPUC’s special web site (www.rotating-outages.com). If you need special assistance or do not have access to the Internet, please call (888) 741-1106. We will be available to answer your questions from 9:00 a.m. to 6:00 p.m., Monday through Friday, Pacific Daylight Time.

Q16: Where do I send the Statement of Authenticity?

A: A signed Statement of Authenticity needs to be submitted only by customers who are preliminarily identified by the CPUC as qualifying for an exemption. These customers should mail in their Statement of Authenticity to the following address:

California Public Utilities Commission
Central Files, Room 2002
505 Van Ness Avenue
San Francisco, California 94102

Q17: What if I miss the deadline?

A: Any application received after the due date will be evaluated after all other applications that were submitted on time, and will most likely be addressed by the CPUC at a subsequent public meeting.

Q18: What is my “electric distribution utility”?

A: This is the same as your electric utility provider (e.g., Pacific Gas and Electric, San Diego Gas and Electric, or Southern California Edison).

Q19: Will economic impacts from rotating outages be considered as part of the application process?

A: No. While economic impacts from rotating outages can be significant, the CPUC will only consider requests from those customers who demonstrate that loss of power from a rotating outage will pose a significant risk to public health or safety.

Q20: What is the definition of “facility”?

A: A facility means a building or a set of buildings that are owned by the same company/business and are located in the same geographic site area. Each facility should have its own account number and/or distinct street address, although a single facility may have multiple buildings that are located at the same site. If your facility has multiple buildings that perform the same or different functions or processes, and are located in the same site, you should complete one application only. However, if your facility has multiple buildings that perform the same or different functions or processes, and are located on distinctly different geographic site areas, please complete a separate application for each geographic site area. Applications must be completed by individual companies/businesses, and cannot be completed by a third party that represents multiple companies/businesses, even if such companies/businesses are located at the same site.

Q21: How are a facility's "critical health and safety needs" defined?

A: A facility's "critical health and safety needs" refer to those operations or activities that are necessary to maintain public health and safety (including employees) by preventing exposure to imminent danger or hazardous physical or chemical substances.

Q22: I have multiple facilities throughout the state that all perform the same function. Can I just fill out one application for all facilities?

A: No. You will need to complete a separate application for each facility.

Q23: Whom do I call for assistance in acquiring a backup system?

A: If you have questions about acquiring a backup generator, contact your facility manager. If you have questions about installing a backup generator, contact your electric distribution utility (i.e., your electric utility provider).

Q24: Will the information I provide be made publicly available?

A: The majority of the information provided will be part of the public record. However, select responses (noted as confidential) will not be made publicly available. The name and address of each facility submitting an application will be posted on our website. All other information that is open to the public can be reviewed at CPUC's San Francisco and Los Angeles offices. CPUC's San Francisco office is located at 505 Van Ness Avenue, San Francisco, California 94102. CPUC's Los Angeles office is located at 320 West 4th Street, Suite 500, Los Angeles, California 90013.

Q25: Is the information I provide on the exemption application confidential?

A: Most of the information provided to the CPUC will be made publicly available with the exception of the following information: rotating outage block ID number; electric distribution utility account number; account type; what, if any, demand reduction programs the facility participates in; what the facility's monthly energy usage was for August 2000; and what the facility's anticipated monthly energy usage is for August 2001.

Q26: Who reviews this application and makes the final determination of exemption status?

A: The CPUC will review the application and make the final determination of the exemption status.

Q27: How is the application information evaluated to determine exemption status?

A: The process used to evaluate applications will be explained when CPUC issues its draft decision on August 2, 2001.

Q28: What if I want to change/modify one of the answers after I have submitted the application over the web?

A: Once a completed application is submitted to the CPUC's web site, no changes will be allowed.

Q29: Once I submit the application, can I return to the web site to view my application?

A: Yes. An Application Number will be issued for every applicant at the start of the application process. The applicant can use this number to return to the site to review a submitted application. If the applicant has started the application process but not yet completed it (i.e., submitted the application), then the applicant can use the Application Number to either complete or modify the application.

Q30: What is my Application Number and where can I find it?

A: Every application that is started on our web site is assigned an Application Number. This Application Number is found in Part I, the Statement of Authenticity section. The Application Number is also sent to the e-mail address provided. Users are allowed to save their answers as long as they do not submit the application. A user can later enter the Application Number to re-access the web site and complete the application. After the application is submitted to the CPUC, the user can enter the Application Number to review the application.

Q31: What do I do if I have lost my Application Number and I would like to review my application?

A: You can e-mail us at questions@rotating-outages.com. Please include in the e-mail your name, facility name and address, and your electric distribution utility account number. After we have confirmed the information you provide, we will either e-mail or call you with your Application Number. However, please note that the time to process your request may take up to two weeks.

Q32: What if I make an error on my application?

A: Once you have submitted your application, you will not have the opportunity to modify your answers. However, if you have not submitted your application, you may use your Application Number to modify or correct your answers before final submissions.

Q33: Can I delete my application once I have submitted it?

A: Yes. You must submit a written letter to the CPUC requesting that your application be disregarded from consideration. Please mail your request to Mr. Burton Mattson, California Public Utilities Commission, Division of Administrative Law Judges, Room 5104, 505 Van Ness Avenue, San Francisco, California 94102-3214. Your request must be received by July 3, 2001.

Q34: When will decisions be made?

A: All applications received by 5:00 p.m. Pacific Daylight Time, June 4, 2001 will be addressed on or before August 2, 2001. Applications received after June 4, 2001 by the CPUC will be addressed at a subsequent public meeting.

Q35: Can I appeal the CPUC's Decision?

A: More information about filing an appeal can be found in the CPUC's online intervenor guide (<http://www.cpuc.ca.gov/PUBLISHED/REPORT/1157.htm>) or you can contact the CPUC's public advisor. For customers receiving service in Southern California, the Commission's public advisor is located in the Los Angeles office:

320 West 4th Street, Suite 500, Los Angeles, CA 90013
Phone: (213) 576-7055
e-mail: public.advisor.la@cpuc.ca.gov

For customers receiving service in Northern California, the Commission's public advisor is located in the San Francisco office:

505 Van Ness Avenue, Room 5303, San Francisco, CA 94102
Phone: (415) 703-2074
e-mail: public.advisor@cpuc.ca.gov

Q36: If I have a question that is not addressed in this FAQ or if I have a specific question about the exemption application, whom can I contact?

A: If you have questions that are not answered here, you can call our hotline: (888) 741-1106. We will be available to answer your questions from 9:00 a.m. to 6:00 p.m., Monday through Friday, Pacific Daylight Time.

Q37: What is a UPS?

A: UPS stands for "uninterruptible power supply." This is a specialized type of power supply that is often used to supply computers or other equipment that is sensitive even to the briefest loss of electrical power. The UPS takes conventional utility power and charges banks of batteries. The UPS allows output power to be drawn from these batteries, which are continuously recharged by the utility power. Should the utility power be interrupted, the equipment down stream of the UPS unit will still function temporarily on the battery power. This protects the equipment from relatively short duration of outage (milliseconds to 30 minutes depending on the load). For longer periods of protection, a UPS is used in conjunction with a back-up generator (BUG). UPS units can have capacity ranging from 100 watts (small PCs) on up.

Q38: What is a demand reduction program (DRP) or interruptible power program?

A: In order to reduce the risk of blackouts, the utilities and the Independent System Operator (ISO) have developed programs referred to as interruptible or demand relief programs. The majority of these programs pay customers to curtail their own use of electrical power when requested, typically on 30 minutes notice. Other programs allow the utility to directly control a part of a customer's electrical load, such as an air conditioner or a water pump, turning it off when power is in short supply. Several different programs are available to meet different customers' needs. They vary in the amount of notice given, the manner of payment, and the number of hours committed toward load reductions.

Q39: If granted, how long will this "essential use customer" status last?

A: If a customer qualifies for an exemption from rotating power outages (i.e., becomes designated as an "essential use customer"), then the customer will maintain this status until notified otherwise by their local electric distribution utility.



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Eligibility Criteria

1. This application process is only open to business customers of Pacific Gas & Electric (PG&E), San Diego Gas & Electric (SDG&E), and Southern California Edison (SCE). Customers of all other utilities need not apply.
2. Business customers who can demonstrate clearly that rotating power outages are likely to pose a significant threat to public health or safety are welcome to apply. Claims of economic harm or inconvenience to the customer will not be considered.
3. This application is not applicable to residential customers.



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Items Required for Application

The following items are necessary for completing the application:

1. Your facility's electric distribution utility bill from August 2000.
2. Knowledge of whether or not your facility participates in a demand reduction program (i.e., interruptible program).
3. Knowledge of whether or not your facility has an uninterruptible power supply or backup generators.

For your convenience, you can download part of the application (Parts II through IV) on which to mark your answers. However, please note that this form is not intended for submittal to the CPUC. It is merely intended as an aid to help expedite completion of your electronic form.

 [Download Application Worksheet](#)



The Application Worksheet is provided in Adobe Acrobat format. You can download a free copy of Acrobat, to view the application.

Appendix E

Risk Index Score Calculation

Appendix E

Risk Index Score Calculation

A risk index score was calculated for each applicant. The risk index score is based on severity of outcome, likelihood of outcome, population affected by outcome, and probability of each outage duration. Values chosen to represent various degrees of severity and likelihood were based on published data in the literature, whereas the weights assigned to populations affected were calculated as the midpoint of pre-determined population size categories. The probability of outage duration for each of the two outage durations considered (less than 2 hours and 2 to 4 hours) were “best estimates” provided by the California Public Utilities Commission.

These variables were multiplied together to yield a quantitative applicant “risk index score.” The general equation for development of the risk index score is:

$$\text{Risk Index Score} = \sum_{j=1}^2 \sum_{k=1}^4 [S_{jk} \times L_{jk} \times (P1_{jk} + P2_{jk})] \times D_{jk}$$

where:

- S = score for severity of health outcome
- L = score for likelihood of health outcome
- P1 = score for worker population affected by each health outcome
- P2 = score for general population affected by each health outcome
- D = probability of outage duration (0.8 for an outage of less than 2 hours; 0.2 for a 2 to 4 hour outage)
- j = outage duration (1 = less than 2 hours, 2 = 2 to 4 hours)
- k = health outcomes (1 = minor, 2 = moderate, 3 = severe, 4 = death)

The range of values for each parameter is included in Section 3 of the main report.

Example - Risk Index Score Calculation.

Assume that in the event of either outage duration, Applicant #1 stated that minor health effects were “very likely” to occur, moderate health effects were “somewhat likely” to occur, and both severe health effects and death were “unlikely” to occur.

*In the event of a less than 2-hour power outage, 26–100 workers would experience minor health effects, 11–25 workers would experience moderate health effects, 1–3 workers would experience severe health effects, and no workers would die. In addition, 1–3 members of the general population would experience minor health effects and none would experience minor, moderate, or severe health effects or death. Thus, for the less than 2-hour duration, the combined likelihood/severity/population score is: $(0.01*8.5*(0.63+0.02)) + (0.1*2.6*(0.18+0)) + (1*1.6*(0.02+0)) + (10*1.6*(0+0)) = 0.13$*

*In the event of a 2–4 hour power outage, 26–100 workers would experience minor health effects, 26–100 workers would experience moderate health effects, 11–25 workers would experience severe health effects, and 1–3 workers would die. In addition, no members of the general public would experience minor, moderate, or severe health effects or death. Thus, for the 2–4 hour duration, the combined likelihood/severity/population score is: $(0.01*8.5*(0.63+0)) + (0.1*2.6*(0.63+0)) + (1*1.6*(0.18+0)) + (10*1.6*(0.02+0)) = 0.83$.*

*Multiplying the outcome scores by their duration probabilities yields a total risk index score: $(0.13*0.8) + (.83*0.2) = 0.27$.*

Appendix F

Alternative Approaches for Assigning Severity Weights

Appendix F

Alternative Approaches for Assigning Severity Weights

Approaches other than the U.S. Department of Defense's Standard Practice for System Safety also were evaluated as a potential means of assigning weights to different severity levels. Several general health quality indices can be used to estimate the relative public valuation of different health states (e.g., Quality of Well Being, Health Utilities Index, EuroQol, Rosser Index); however, they require health states to be defined across a wide range of attributes (or dimensions) and time periods. These indices were therefore considered to be more appropriate for evaluating well defined or chronic health states rather than the broad categories of immediate health outcomes used in the questionnaire.

Average quality-of-life weights associated with a range of injuries have also been estimated using the Abbreviated Injury Scale (AIS) and the Functional Capacity Index (MacKenzie et al. 1996; AAAM 1990). The AIS classifies injuries by body region on a 6-point, ordinal severity scale, whereas the Functional Capacity Index maps the AIS health states as scores that reflect the expected level of reduced functional capacity 1-year post-injury and public ratings of the relative severity of different levels of functioning. This approach, however, does not discriminate much between the different severity levels and was therefore deemed inappropriate for use in the current context. For example, on a scale from 0 to 1 (where 0 = death and 1 = perfect health), the estimated scores for minor, moderate, and severe injuries were 0.73, 0.71, and 0.51, respectively (Graham et al. 1997).

Studies on the "cost of injury" or "willingness to pay" for reductions in fatal and non-fatal injuries also provide additional data for evaluating the relative severity of different health states and could be used to assign severity weights (Viscusi 1993; Rice et al. 1989; Miller et al. 1988). For example, estimates of societal willingness to pay to prevent one minor, moderate, or severe injury were about \$4,000, \$31,000, and \$155,000, respectively (Miller et al. 1988). These dollar figures imply that a moderate injury is approximately eight times more severe than a minor injury, whereas a severe injury is approximately five times more severe than a moderate injury. These estimates are in general agreement with the factor of ten assumptions used in the current analysis.

References

- AAAM. 1990. The abbreviated injury scale: 1990 Revision. Association for the Advancement of Automotive Medicine, Des Plaines, IL.
- Graham J.D., K.M. Thompson, S.J. Goldie, M. Segui-Gomez, and M.C. Weinstein. 1997. The cost-effectiveness of air bags by seating position. *JAMA* 278(17):1418–1425.
- MacKenzie, E.J., A. Damiano, T. Miller, and S. Luchter. 1996. The development of the Functional Capacity Index. *J. Trauma* 41(5):799–807.

Miller, T.R., S. Luchter, and C.P. Brinkman. 1988. Crash costs and safety investment. pp. 69–88. In: Proc. 32nd Annual Meeting of the Association for the Advancement of Automotive Medicine. September 12–14, Seattle, WA.

Rice, D.P., E.J. MacKenzie, A.S. Jones, S.R. Kaufman, G.V. deLissovoy, W. Max, E. McLoughlin, T.R. Miller, L.S. Robertson, D.S. Salkever, and G.S. Smith. 1989. Cost of injury in the United States: A report to Congress. Prepared for U.S. Department of Transportation, National Highway Traffic Safety Administration and U.S. Department of Health and Human Services, Centers for Disease Control. University of California, Institute for Health and Aging, San Francisco, CA, and Johns Hopkins University, School of Hygiene and Public Health Injury Prevention Center, Baltimore, MD.

Viscusi, W.K. 1993. The value of risks to life and death. *J. Econ. Lit.* XXXI:1912–1946.

Appendix G

Trial Simulations

Appendix G

Trial Simulations

The risk ranking algorithm was tested before any applications were received to verify that it adequately discriminated among different application scenarios and to allow analysis of simulated risk rankings. As the simplest case, a single affected population was analyzed for a single power outage duration. All possible combinations of the three input variables (severity, likelihood, and population affected) for this case were entered into the algorithm, and the resulting risk scores were ranked from highest to lowest. Table G-1 provides the ranking of the 84 cases analyzed.

Table G-1. Ranking of 84 risk outcomes

| Severity | Likelihood | Population | Ranked score | Rank |
|----------|-----------------|------------|--------------|------|
| Death | Very likely | 1,000 | 850.00 | 1 |
| Death | Very likely | 550 | 467.50 | 2 |
| Death | Somewhat likely | 1,000 | 260.00 | 3 |
| Death | Unlikely | 1,000 | 160.00 | 4 |
| Death | Somewhat likely | 550 | 143.00 | 5 |
| Death | Unlikely | 550 | 88.00 | 6 |
| Severe | Very likely | 1,000 | 85.00 | 7 |
| Death | Very likely | 63 | 53.55 | 8 |
| Severe | Very likely | 550 | 46.75 | 9 |
| Severe | Somewhat likely | 1,000 | 26.00 | 10 |
| Death | Somewhat likely | 63 | 16.38 | 11 |
| Severe | Unlikely | 1,000 | 16.00 | 12 |
| Death | Very likely | 18 | 15.30 | 13 |
| Severe | Somewhat likely | 550 | 14.30 | 14 |
| Death | Unlikely | 63 | 10.08 | 15 |
| Severe | Unlikely | 550 | 8.80 | 16 |
| Moderate | Very likely | 1,000 | 8.50 | 17 |
| Death | Very likely | 7 | 5.95 | 18 |
| Severe | Very likely | 63 | 5.36 | 19 |
| Death | Somewhat likely | 18 | 4.68 | 20 |
| Moderate | Very likely | 550 | 4.68 | 21 |
| Death | Unlikely | 18 | 2.88 | 22 |
| Moderate | Somewhat likely | 1,000 | 2.60 | 23 |

Table G-1.(cont.)

| Severity | Likelihood | Population | Ranked score | Rank |
|----------|-----------------|------------|--------------|------|
| Death | Somewhat likely | 7 | 1.82 | 24 |
| Death | Very likely | 2 | 1.70 | 25 |
| Severe | Somewhat likely | 63 | 1.64 | 26 |
| Moderate | Unlikely | 1,000 | 1.60 | 27 |
| Severe | Very likely | 18 | 1.53 | 28 |
| Moderate | Somewhat likely | 550 | 1.43 | 29 |
| Death | Unlikely | 7 | 1.12 | 30 |
| Severe | Unlikely | 63 | 1.008 | 31 |
| Moderate | Unlikely | 550 | 0.880 | 32 |
| Minor | Very likely | 1,000 | 0.850 | 33 |
| Severe | Very likely | 7 | 0.595 | 34 |
| Moderate | Very likely | 63 | 0.536 | 35 |
| Death | Somewhat likely | 2 | 0.520 | 36 |
| Severe | Somewhat likely | 18 | 0.468 | 37 |
| Minor | Very likely | 550 | 0.468 | 38 |
| Death | Unlikely | 2 | 0.320 | 39 |
| Severe | Unlikely | 18 | 0.288 | 40 |
| Minor | Somewhat likely | 1,000 | 0.260 | 41 |
| Severe | Somewhat likely | 7 | 0.182 | 42 |
| Severe | Very likely | 2 | 0.170 | 43 |
| Moderate | Somewhat likely | 63 | 0.164 | 44 |
| Minor | Unlikely | 1,000 | 0.160 | 45 |
| Moderate | Very likely | 18 | 0.153 | 46 |
| Minor | Somewhat likely | 550 | 0.143 | 47 |
| Severe | Unlikely | 7 | 0.112 | 48 |
| Moderate | Unlikely | 63 | 0.101 | 49 |
| Minor | Unlikely | 550 | 0.088 | 50 |
| Moderate | Very likely | 7 | 0.060 | 51 |
| Minor | Very likely | 63 | 0.054 | 52 |
| Severe | Somewhat likely | 2 | 0.052 | 53 |
| Moderate | Somewhat likely | 18 | 0.047 | 54 |
| Severe | Unlikely | 2 | 0.032 | 55 |
| Moderate | Unlikely | 18 | 0.029 | 56 |
| Moderate | Somewhat likely | 7 | 0.018 | 57 |
| Moderate | Very likely | 2 | 0.017 | 58 |

Table G-1.(cont.)

| Severity | Likelihood | Population | Ranked score | Rank |
|----------|-----------------|------------|--------------|------|
| Minor | Somewhat likely | 63 | 0.016 | 59 |
| Minor | Very likely | 18 | 0.015 | 60 |
| Moderate | Unlikely | 7 | 0.011 | 61 |
| Minor | Unlikely | 63 | 0.010 | 62 |
| Minor | Very likely | 7 | 0.0060 | 63 |
| Moderate | Somewhat likely | 2 | 0.0052 | 64 |
| Minor | Somewhat likely | 18 | 0.0047 | 65 |
| Moderate | Unlikely | 2 | 0.0032 | 66 |
| Minor | Unlikely | 18 | 0.0029 | 67 |
| Minor | Somewhat likely | 7 | 0.0018 | 68 |
| Minor | Very likely | 2 | 0.0017 | 69 |
| Minor | Unlikely | 7 | 0.0011 | 70 |
| Minor | Somewhat likely | 2 | 0.0005 | 71 |
| Minor | Unlikely | 2 | 0.0003 | 72 |
| Death | Very likely | 0 | 0 | 73 |
| Death | Somewhat likely | 0 | 0 | 74 |
| Death | Unlikely | 0 | 0 | 75 |
| Severe | Very likely | 0 | 0 | 76 |
| Severe | Somewhat likely | 0 | 0 | 77 |
| Severe | Unlikely | 0 | 0 | 78 |
| Moderate | Very likely | 0 | 0 | 79 |
| Moderate | Somewhat likely | 0 | 0 | 80 |
| Moderate | Unlikely | 0 | 0 | 81 |
| Minor | Very likely | 0 | 0 | 82 |
| Minor | Somewhat likely | 0 | 0 | 83 |
| Minor | Unlikely | 0 | 0 | 84 |

The widely differing score sensitivities result from the numerical range for each parameter. The individual variable ranges provide an indication of how much or how little the risk index scores will vary as each parameter value changes. The absolute risk index score is most sensitive to changes in the severity variable; results varied by three orders of magnitude. The risk index score was least sensitive to changes in the likelihood parameter; results varied by a factor of five. The population parameter resulted in variations of more than 2 orders of magnitude. The severity parameter ranged from 0.01 for a minor injury through 10 for a death. The population parameter ranged from 0 to 10, and the likelihood parameter varied from 1.6 to 8.5.

Appendix H

Summary of Applicants' Reported Hazards that Could Occur with Rotating Power Outages

Appendix H

Summary of Applicants' Reported Hazards that Could Occur with Rotating Power Outages

As part of the preparation for the panel group study and to provide a better understanding of the potential public health and safety risks potentially attributable to rotating power outages, Exponent reviewed open-ended questionnaire responses to questions requesting explanations of public health and safety risks.

For each business group (e.g., Emergency Services), two raters examined the responses to questions 4.1 (Please explain likelihood of health outcomes), 4.2 (Please explain impacts to workers), and 4.3 (Please explain impacts to general population) from page 3 of the questionnaire (Appendix A). Each rater examined a different set of responses. Initially, each rater examined responses from 50 applications per business group, or 100 total applications per business group (or, in the case of business groups with less than 100 total responses, one-half of the total responses). After reviewing responses for 8 business groups, the raters determined that no additional risks were being identified after the first 25 responses per rater; therefore, for the remaining types, each rater examined 25 responses (a total of 50 per type). For each facility type, hazard lists from the two raters were combined.

The result of this examination was a list of potential hazards for each business group. A set of potential hazards that were mentioned in connection with most business groups was identified and is shown separately at the top of the list (Table H-1). The potential hazards identified by both nursing and skilled nursing facilities were combined, as were those for dentists and outpatient dental care/surgical clinics. Potential hazards identified by hospitals are not included because they are already exempt from rotating power outages.

Table H-1. Types of potential hazards that could be experienced by each business groups^{a, b}

| Business Group | Potential Public Health and Safety Risks Most Commonly Reported |
|--|---|
| General Observations | <p>Increased risk of heat-related illness, particularly in elderly and at-risk populations</p> <p>Trapped or hurt by failure of elevator/escalator service</p> <p>Disabled communication systems for emergency assistance</p> <p>Trip and fall accidents due to low/no visibility</p> <p>Violent crimes</p> |
| Automobile and Other Repair Shops | <p>Potential for heat exhaustion/fatigue/dehydration for stranded motorists</p> <p>Vehicles from accidents may not be cleared off roadway, thereby creating increased risk for other motorists.</p> <p>Heavy equipment (e.g., car lifts) could fail and injure employees</p> <p>Employees can get stuck in elevators</p> <p>Power tools inoperative—potential for injury when power suddenly returns</p> <p>Hazardous materials could be released into environment</p> <p>Repairs using precise, delicate, electric equipment on public transportation vehicles/trains could be affected negatively, resulting in unsafe vehicles</p> |
| Communication Stations | <p>Inoperative critical communication system (e.g., live air traffic control)</p> <p>Transmission tower is hazardous to aviation if not illuminated</p> <p>Unable to communicate and provide public service and emergency information</p> |
| Correctional Institutions | <p>Disabled security systems increase chances of escape</p> <p>Insufficient support or failure of medical devices in infirmary. In addition, inmates would need to be taken to local hospitals, creating a security risk</p> <p>Delayed ability to identify emergencies because of disabled surveillance systems</p> <p>High temperatures can cause inmates to become agitated and violent, resulting in injury</p> <p>Food poisoning from food spoiled by lack of refrigeration</p> |
| Courts | <p>Potential violence</p> <p>Inmates might escape</p> |

Table H-1. (cont.)

| Business Group | Potential Public Health and Safety Risks Most Commonly Reported |
|--|--|
| Dental/Medical/Surgical/Outpatient Facilities | |
| <i>Dentist^b</i> | Interruption of dental/surgical treatment Delayed emergency dental/medical treatment Mishandling patients and medical instruments (e.g., needles) due to low/no visibility Inoperative dental and medical equipment Exposure to harmful vapor due to lack of ventilation Exposure to non-sterilized dental/medical instruments |
| <i>Doctor</i> | Interruption of medical/surgical procedure Delayed emergency medical/surgical treatment Inoperative medical equipment (e.g., x-ray machines, monitoring and life support system) Mishandling patients and medical instruments due to low/no visibility Contamination of vaccine and other refrigerated medical products Disabled security system (e.g., electronic locks and panic button) would allow violent protesters access to the medical facility Unable to provide advice to patients over the phone |
| <i>Outpatient Care/Surgery</i> | Interruption of medical and surgical procedures (e.g., anesthesia, eye surgery) Failure of electrically supplied medical equipment (e.g., anesthetic monitoring system) Delayed emergency medical/surgical treatment Inoperative medical equipment Mishandling patients and medical instruments due to low/no visibility Contamination of refrigerated tissue and medication Disabled security system would allow access for violent protesters |
| Dialysis Clinics | Interruption and/or failure of dialysis procedure Delayed dialysis treatment Inoperative dialysis equipment, may need to do the procedure manually Increased exposure to blood-borne pathogens |

Table H-1. (cont.)

| Business Group | Potential Public Health and Safety Risks Most Commonly Reported |
|------------------------------------|--|
| Dry Cleaning Establishments | Potential for food or patient contamination as customers include hospitals, meat packing plants, etc. Risk of fire due to partially dried goods stuck in a dryer or flatwork ironer Potential exposure to hazardous chemicals (e.g., perchloroethylene) and fumes for employees as well as patrons Potential for machinery (e.g., industrial sized washer (800 lbs)) to suddenly shift during a sudden power outage and injure an employee Increased violent crime (e.g., robbery) |
| Electricity Generators | Power outage would cause net decrease in available power Loss of essential communication via radio between pilots, field manager, and base stations Potential for worker exposure to hazardous materials |
| Emergency Services | Inability to respond to an emergency call could result in increased injury severity and delayed treatment Loss of fire protection due to lack of water Emergency service vehicles (e.g., helicopters) would be unable to obtain fuel Emergency equipment that requires charging would be disabled |
| Financial Institutions | Potential failure of back-up alarm systems, which increases likelihood of violent crime (e.g., robbery) |
| Food Processing Plants | Pressure cookers overheat Mishandling sharp utensils in low/no visibility during food preparation, cooking, or cleaning process Increased pathogen growth on food Food contamination and damage Sudden release of large quantities of liquid carbon dioxide Disabled alarm system |

Table H-1. (cont.)

| Business Group | Potential Public Health and Safety Risks Most Commonly Reported |
|--|---|
| Funeral Homes | Accidents around equipment at restart or shutdown; equipment stoppage during load Fire occurring (e.g., due to absence of grease venting) and potential smoke inhalation problems Impaired preservation of bodies because of lack of refrigeration, could increase likelihood of exposure to biohazards and hazardous chemicals Potential for crematory explosion and air quality concerns if outage occurs in midst of cremation Potential injury when machinery stops suddenly during an outage |
| Gas Stations and Convenience Stores | Fire trucks, ambulances, and police cars may be out of service because they cannot refuel Potential for fire or explosion if fuel tank monitoring system was shut down Potential hazard of vapor release in the air could be deadly Increased risk of violent crime Potential for explosion from a fuel spill Food poisoning from food spoiled by lack of refrigeration |
| Government | Emergency service vehicles unable to obtain fuel Inability to pump storm water could result in flooding and backing up of sewage system Water contamination (e.g., from sewage) resulting in illness Loss of fire protection if wells lose power |
| Grocery Stores | Contamination of perishable food and prescription drugs Injury from employees using power equipment or knives (e.g., burns and cuts) Loss of ventilation from a grill might cause an unhealthy environment |
| Health Services | Interruption of medical treatment (e.g., physical therapy, radiation treatment, IV therapy) Potential for violence in patients with developmental and behavioral conditions Loss of lighting will impair ability to lip read, which is essential for hearing impaired and deaf children and adults Inability to monitor life signs and access critical patient information Possible violence due to controlled substances onsite |

Table H-1. (cont.)

| Business Group | Potential Public Health and Safety Risks Most Commonly Reported |
|---|--|
| Hotels | <p>Patients may be in various stages of traction or electric stimulation therapy and altered power may cause injury</p> <p>Contaminated medication and medical products due to lack of refrigeration</p> <p>Food contamination</p> <p>Failure of electrically supplied medical equipment that some guests rely on</p> <p>Contaminated medicines in fridge</p> <p>Animal attacks in rural lodging in low/no visibility</p> |
| Manufacturing and Production Plants | <p>Unexpected stop/fall of heavy machinery</p> <p>Fire, chemical releases, explosions, equipment breakage due to interruption during production</p> <p>Fire due to equipment overheating</p> |
| Medical Buildings | <p>Failure of electrically supplied medical equipment (e.g., monitoring devices for anesthetics, respirators)</p> <p>Interruption of medical/surgical procedure</p> <p>Delayed emergency care</p> <p>Inoperative elevator for the use of people at high risk (patients, elderly people)</p> <p>Inability to provide treatments to patients (IV fluids, chemotherapy, nebulized medications)</p> <p>Death to embryos due to sudden change in temperature</p> <p>Mishandling surgical procedures</p> |
| Medical Laboratories and Blood Banks | <p>Loss of power resulting in ruined specimens or compromised specimen quality, leading to delayed or incorrect diagnosis of medical conditions</p> <p>Delayed ability to conduct emergency testing</p> <p>Adverse reactions of blood donors to increased temperature (e.g., nausea, fainting)</p> <p>Injuries from needles when lights go out (e.g., needle sticks)</p> <p>Diminished capacity to collect and process blood will severely decrease blood supply</p> <p>Damaged plasma from lack of refrigeration</p> <p>Possible release of infectious material</p> |

Table H-1. (cont.)

| Business Group | Potential Public Health and Safety Risks Most Commonly Reported |
|---|---|
| Medical Supply and Records Facilities | The transfer of medical images would be compromised, which could affect critical medical decisions Possible asphyxiation and hearing damage from violent release of cryogenic gases Injury to workers when machinery shuts down abruptly Potential contamination of medical gases Disruption of the production of critical medical devices (e.g., heart valves) that are needed immediately Potential hazardous material exposure |
| Mental Health Facilities | Disabled security system may allow patients to get out Patients' violent and panicky behavior Failure of medical equipment Interruption of urgent medical care Food contamination |
| Nursing Homes | Insufficient support/failure of medical devices that many elderly residents depend on (e.g., IV fluids, oxygen, etc.) Disabled security system may allow patients with dementia to leave the facility Loss of elevator service Breakdown of infection control Inability to provide treatments to patients (feed, cool, and medicate) Medication distribution errors in the dark Reduced safety in food preparation and housekeeping |
| Office Complexes and Property Management Offices | Failure of electrically supplied medical equipment Water shortage Interruptions of surgical procedures Contaminated well water consumption Hazardous materials, compressors down Contaminated medication |
| Pharmacies | Medication cannot be administered in a timely manner to at-risk populations, increasing risk of medical complications Contamination of drugs and other medical products due to lack of refrigeration Lack of access to critical patient information (no computers) |

Table H-1. (cont.)

| Business Group | Potential Public Health and Safety Risks Most Commonly Reported |
|--|--|
| Public Event Venues | <p>Lack of access to emergency medications/supplies</p> <p>Disabled security systems could lead to violent crime</p> <p>Trip and fall accidents in the dark</p> <p>Injuries during evacuation of large groups of people</p> <p>Using exercise equipment (e.g., treadmill, cardio equipment) when power goes out could cause injuries from falling</p> <p>Patrons could be suspended in the air on rides, have inflatable rides collapse, resulting in injury, or be trapped in elevators</p> <p>Loss of lighting resulting in injury during athletic events (e.g., gymnastics, skating)</p> <p>Increased violent crime due to decreased security in public venues</p> <p>Increased heat-related illness from lack of air conditioning</p> <p>Pool contamination with loss of chlorination system</p> <p>Food poisoning from food spoiled by lack of refrigeration</p> <p>Gunshot wounds (indoor shooting ranges)</p> <p>Inability to provide water to service area in case of fire</p> |
| Refineries | <p>Fire, explosion, toxic product release, and equipment damage</p> |
| Research and Other Laboratories | <p>Interruptions in testing of medical devices and pharmaceutical products</p> <p>Increased exposure to hazardous materials and poisonous vapor</p> |
| Restaurants | <p>Food poisoning from food spoiled by lack of refrigeration</p> <p>Worker injuries that result from food preparation equipment (e.g., lacerations, burns)</p> <p>Customers may knock over glassware and candles</p> <p>Health effects from smoke and fire incidents due to lack of proper ventilation</p> <p>Heart and panic attacks when the lighting goes out</p> <p>Violent crime</p> <p>Workers and patrons at risk of heat-related illness</p> |
| Retail Stores and Beauty Salons | <p>Lack of warm water in hair salon would hamper removal of chemicals from patrons in a timely fashion</p> <p>Inoperative safety systems for hazardous materials</p> <p>Increased violent crime</p> |

Table H-1. (cont.)

| Business Group | Potential Public Health and Safety Risks Most Commonly Reported |
|--|--|
| Schools and Churches | Contamination of food and medication needing refrigeration Inoperative electrically supplied medical equipment (nebulizers, suction devices) upon which some students rely Injuries in controlling and moving students to other areas or homes Water shortage |
| Security Companies | Interruption of alarm systems causing delays in emergency response (e.g., fire, police, medical emergency, and elevator emergency alarms) Security systems to access a building would be down, increasing the risk of violent crime Surveillance systems used to monitor the elderly would not function |
| Sewage and Waste Treatment Plants | Hazardous chemical leaks Raw sewage can overflow and enter public waterways and beaches, increasing potential for pathogen or virus exposure Sewage backup into streets and homes causing disease and illness Trash accumulation could increase exposure to disease-causing bacteria Worker contact with raw human sewage during cleanup procedures Sewage spilling into a reservoir leading to public health problems Workers at risk of electrocution during flooding Fire hazard from presence of flammable chemicals and machinery that is abruptly stopped |
| Skilled Nursing Facilities^b | Insufficient support or failure of critical medical devices Disabled security systems could allow demented patients to leave facility Wheelchair-bound patients cannot leave building without elevators working Contaminated medical products due to loss of refrigeration Patients could be injured when devices are shut down abruptly |
| Transportation Facilities and Companies | Increased ground, marine, and air traffic collisions due to loss of lighting, inoperative machinery, and inoperative traffic signals (e.g., railroad lights) Delayed medical product delivery Loss of transportation and communication system (e.g., radar) for transportation |

Table H-1. (cont.)

| Business Group | Potential Public Health and Safety Risks Most Commonly Reported |
|--------------------------------------|--|
| Veterinary Clinics | Stranding of critical equipment in transportation system (e.g., cranes) Mishandling of transportation system Release of hazardous materials from containers Incomplete surgeries on animals; failure of medical equipment/surgical tools Failure of animal life support systems Inactivated medicine and vaccine in refrigerators Violent behavior (e.g., bites) of fearful animals in the dark Delayed emergency care of animals Delayed identification of a contagion potentially transferable to humans Exposure to chemicals normally removed from air (e.g., anesthetic gases) |
| Water Districts and Companies | Severe equipment damage Increased exposure to raw sewage/wastewater that contains large amounts of pathogens Loss of service of water supply (water outage) for emergency service centers Critical water shortage Loss of water for fighting fires Potential flood and damage to water dam during high water conditions Water and water supply system contamination |

^a Based on a review of a subset of the application responses (specifically, responses to questions 4.1, 4.2, and 4.3).

^b The hazards identified by both nursing and skilled nursing facilities were combined, as were those for dentists and outpatient dental care/surgical clinics. Hazards identified by hospitals are not included, because they are already exempt from rotating power outages.

Appendix I

Panel Group Study Methods and Results

Appendix I

Panel Group Study Methods and Results

Methods

Potential respondents were recruited by Exponent through a market research firm, MSI (San Mateo, CA). The aim was to have each of a variety of business groups represented by a person who works in that business group. The intention was to recruit subjects representing a large number of the 31 business groups. Review of the original list of 42 business groups revealed that one business group (hospitals) is already exempted, one (finance) does not significantly involve public health and safety, and some of the business groups could be consolidated for the purpose of the panel group study because of substantial overlap in the nature of the sites and their risks. Therefore, dentist, doctor, outpatient care/surgery, medical building, outpatient surgery/dentist, and health service were consolidated into dental/medical/surgical/outpatient facilities; food processing plants and restaurants were combined, as well as, emergency services and government agencies. These efforts yielded a list of 31 business groups to consider in the panel group study (see list in Table I-1). We then recruited 26 potential subjects; 23 of these attended the test session on June 28, 2001, at MSI. They represented 18 of the 31 types of business groups, with an emphasis on health sites (e.g., four came from dental/medical/surgical/outpatient clinics, and 10 of the 23 represented some health-related facility). Their workplaces are noted and additional background information is provided in Table I-2. Fifteen of the 23 were women. The participants ranged in age from 28 to 63 years (mean age was 43 years). Ten of the participants had completed at least a 4-year college degree, and 7 had graduate degrees (Ph.D., D.V.M., M.D., D.D.S., J.D., M.A., and M.S. degrees).

After an introduction, an informed consent procedure, and collection of written information on their backgrounds (see forms and experimenter instruction guide in Attachments I1 and I2, respectively), the participants were asked to rank the 31 business groups on the basis of the likelihood of at least one serious injury or death in the event of a 1 to 2 hour rotating power outage. To facilitate their work, each of the business groups was printed on a separate 3 × 5-inch card along with its principal potential hazards (limited to five or fewer per business group), and a list of examples of businesses for each type was provided on a separate sheet (see Attachment I3). The experimenter explained that the hazard list was confined to potential hazards that had been suggested by applicants for exemptions, that some of the hazards might seem implausible, and that some might normally be prevented by following legal requirements for typical safety precautions. In addition, it was explained that a number of other types of hazards were not included on the cards but can be anticipated as possibilities for nearly all business groups in the event of a rotating power outage. They include:

- Trip and fall accidents in low lighting conditions
- Increased risk of heat-related illness, particularly in the elderly
- Entrapment or injury from failure of elevators or escalators
- Disabled communication systems for emergency assistance
- Increased violent crime.

Participants were instructed to sort the cards initially into three piles corresponding to high, medium, and low likelihood of at least one serious injury or death in the event of a 1 to 2 hour rotating power outage; then they were to go back through each pile and order its cards from highest to lowest likelihood and finally combine the three piles (preserving a ranking from the card with highest likelihood on top to the one with lowest likelihood on the bottom). Up to half an hour was allotted for this work (using tables and desks at which participants could spread out the cards if they wished), at the end of which the card decks were collected; a subject number on each deck, paired with a number on the background information sheet, allowed matching of participants to their rank data. The order of cards varied across the decks so participants did not encounter the business groups in a single fixed order.

After the sorting, the participants returned to the main room for a discussion session that lasted just over one hour. For the discussion, a new question was posed to the participants. Instead of focusing on likelihood of serious injury and death, participants were asked to consider whether they would recommend an outage exemption for each business group, knowing that the California Public Utilities Commission can grant only a limited number of such exemptions. Each of the 31 business groups was discussed in turn; for each business group, participants with related work experience were encouraged to comment on the potential hazards, and others could raise questions or offer their own comments. Then the participants voted (by show of hands) on whether to grant an exemption to that business group. Given the large number of participants from the health treatment related business group (10 of 23), that business group was discussed first; this ensured that there would be ample time to discuss business groups with the greatest participant representation.

Several additional general questions were posed for a vote along the way or at the end. Notes on the questions, as well as on participant comments during the discussion, were taken by an observer who assisted the experimenter (see Attachment I4).

Results

In response to a question after the sorting task, nearly all participants indicated that they considered the size of the population affected (even though this was not mentioned explicitly in the instructions, and only one participant asked an experimenter about this during the sorting). Fourteen of the participants claimed to consider economic issues during their sorting; it is not known exactly how economic considerations were included, although one participant commented that he gave lower rank to for-profit business groups (even though the instructions were to sort on the basis of likelihood of a severe health outcome or death).

For each subject, the order of their sorted deck was recorded as their ranked likelihoods (for at least one serious injury or death in the event of a 1 to 2 hour rolling outage). These ranks are provided in Table I-4 with mean ranks calculated across all participants. Although the participants were far from uniform in their rankings, they displayed a significant level of agreement or concordance (Kendall's $W = 0.59$, $p < 0.01$); this justifies use of the mean ranks as reflecting some consistency in perceived risk. To facilitate interpretation, the mean rank scores assigned by the subjects, as well as the number of votes for exemptions, were converted to ranks, as shown in Table I-3, and were sorted in descending order for the likelihood ranks.

The two sets of ranks generally agree ($r = 0.79$); for example, health facilities such as dialysis treatment centers and skilled nursing facilities were assigned a high likelihood of death or serious injury and a high priority for exemptions, whereas funeral homes and automobile repair shops are at the bottom of both lists. The high level of agreement suggests that the participants relied heavily on their judgments of likelihood to recommend exemptions. At the end, when subjects were asked to choose just one business group for which they would be most willing to grant an exemption (Table I-4), the most commonly mentioned types were health-related business groups (especially dialysis treatment centers and medical facilities), as well as water supply companies and refineries; all of these had received high ranks in both the likelihood sorting and the exemption votes, indicating general consistency in participant judgments.

A few dramatic reversals are evident, which may reflect the influence of the discussions. For example, jails were judged to have a relatively high likelihood of at least one serious injury or death (26 out of 31, where 31 is highest); during discussion, however, several participants commented that jails are secure facilities where outages are unlikely to compromise security sufficiently to permit violence or escape, and this may have led to the relatively low number of votes for exemption. With regard to transportation facilities, several participants suggested that the business group was too broad, and others suggested that an exemption to protect traffic lights would cover virtually all locations so there may have been reluctance to grant exemptions to this business group.

We expected each participant to be biased toward giving their own type of workplace a high rank. To explore this, mean likelihood ranks were calculated after leaving out each participant's score for his or her own type of workplace. The two sets of mean ranks (all vs. without their own) are nearly identical because only 3 percent of the data entries are excluded when own-facility ranks are left out. Closer examination shows that the participants generally were not biased toward rating the likelihood of serious injury or death as higher (or lower) in their own business group. For the 18 business groups with at least one representative among the participants, ranks for their own business group were highly positively correlated ($r = 0.69$) with ranks assigned by the entire group; ten of the 18 mean ranks for their own business group were higher than the ranks assigned by the group, a result very close to that expected by chance. Given this lack of evident bias in likelihood ranks, no reason exists to believe that the validity of the overall results was seriously compromised by a sampling bias, such as the inclusion of ten participants from some type of health treatment facility. It also reduces the concern that the relatively large number of exemption votes for the health businesses, which were presented first during the discussion portion of the study, is solely an artifact of the participant sample or the voting order.

Several limitations in interpreting this panel group study should be kept in mind. The participants had only very limited knowledge of the hazards for facilities other than their own; they had to rely upon the hazard summaries derived from the exemption applications along with the comments of other participants. They exhibited uncertainty regarding important factors such as the prevalence and effectiveness of back-up systems and contingency plans and the degree of warning that would precede an outage.

Furthermore, they expressed skepticism about some of the reported hazards, such as the harmful impact of a short outage on the contents (e.g., food or medicine) of refrigerators that might retain adequately low temperatures if left closed for the duration of the outage. Thus, although they were able to provide both likelihood ranks and exemption votes, many recognized a need for more information and understanding to address these questions.

Table I-1. Business groups used in panel group study

| Business Groups |
|--|
| Automobile and other repair shops |
| Communication stations |
| Correctional institutions |
| Courts |
| Dental/medical/surgical/outpatient clinics |
| Dialysis clinics |
| Dry cleaning establishments |
| Funeral homes |
| Gas stations and convenience stores |
| Government agency and emergency services |
| Grocery stores |
| Hotels |
| Manufacturing and production plants |
| Medical laboratories and blood banks |
| Medical supply and records facilities |
| Mental health facilities |
| Nursing homes |
| Office complexes and property management offices |
| Pharmacies |
| Public event venues |
| Refineries |
| Research and other laboratories |
| Restaurants and food processing plants |
| Retail stores and beauty salons |
| Schools and churches |
| Security companies |
| Sewage and waste treatment plants |
| Skilled nursing facilities |
| Transportation facilities and companies |
| Veterinary clinics |
| Water districts and companies |

Table I-2. Panel group study participant background information^a

| Subject No. | Occupation | Present Workplace | Age | Gender | Years of Higher Education | Degree | Field of Study |
|-------------|--------------------------------|---|-----|--------|---------------------------|--------|-----------------------------|
| 1 | Deputy Sheriff | Courthouse | 28 | F | 6 | B.A. | English Composition |
| 3 | Produce Clerk | Grocery Store | 41 | F | 3 | -- | -- |
| 4 | Veterinarian | Animal Shelter | 48 | F | 7 | D.V.M. | Veterinary Medicine |
| 5 | Manager | Water Utility | 50 | M | 4 | A.A. | Liberal Arts |
| 6 | Police Dispatcher | Police Department | 33 | F | 4 | A.S. | Early Childhood Education |
| 7 | Director of Security | Shopping Center | 32 | M | 4 | -- | -- |
| 8 | Highway Maintenance Leadworker | Highway 1 | 42 | M | 2 | -- | -- |
| 9 | Clinical Pharmacist | Hospital | 29 | F | 7 | Ph.D. | Pharmacology |
| 11 | Supervisor | Garbage Company | 36 | M | 3 | -- | -- |
| 12 | Attorney at Law | Corporate Office | 56 | M | 7 | J.D. | Law |
| 13 | Sales Clerk | Hiller Aviation Museum | 54 | M | 3 | -- | -- |
| 14 | Legal Office Specialist | SM Co. Probation | 54 | F | 4 | A.A. | Psychology |
| 15 | Supervisor | Coffee Roasting/Packing Plant | 53 | M | 4 | A.A.S. | Biological Science |
| 16 | Medical Record Technician | Hospital | 46 | F | 5 | B.A. | Political Science |
| 17 | Medical Assistant | Dermatology Office | 50 | F | 3 | -- | -- |
| 18 | Physician | Kaiser | 49 | M | 7 | M.D. | Medicine |
| 19 | Mental Health Worker | Inpatient Psychiatric Unit | 30 | F | 6 | M.A. | 3rd year graduate student |
| 20 | Laboratory Technologist | Hospital/Medical School | 43 | F | 6 | B.S. | Clinical Laboratory Science |
| 21 | Assistant Restaurant Manger | Full Scale Restaurant | 45 | F | 3 | -- | Cosmetology |
| 22 | Retail Sales Clerk | Nordstrom | 52 | F | 4 | -- | -- |
| 23 | Licensed Vocational Nurse | Outpatient Clinic (Eye) | 63 | F | 3 | L.V.N. | Nursing |
| 24 | Physician Assistant | Office/Operating Room in spinal surgery | 30 | F | 7 | M.S. | Physician Asst. Studies |
| 26 | Dentist | Unemployed (just moved) | 28 | F | 7 | D.D.S. | Dentistry |

Note: M - Male
F - Female

^a Subject numbers 2, 10, and 25 did not participate in the study.

Table I-3. Public health and safety risk ranking of business groups by panel group study participants^a

| Business Group | Likelihood Ranks | | | | | | | | | | | | | | | | | | | | | | | | | | Mean Ranks | |
|--|------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------------------|----------------------|------------|--|
| | Subject Number: | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 26 | All ^b | w/o Own ^c | | |
| Automobile and other repair shops | 12 | 2 | 9 | 4 | 4 | 6 | 3 | 8 | 8 | 8 | 8 | 2 | 8 | 9 | 2 | 11 | 4 | 11 | 6 | 2 | 5 | 4 | 3 | 6.04 | 6.32 | | | |
| Communication stations | 31 | 28 | 25 | 29 | 7 | 28 | 30 | 28 | 29 | 14 | 11 | 20 | 22 | 15 | 15 | 26 | 30 | 30 | 30 | 15 | 16 | 11 | 30 | 22.61 | 23.64 | | | |
| Correctional institutions | 26 | 20 | 22 | 26 | 30 | 22 | 25 | 15 | 30 | 19 | 19 | 16 | 18 | 28 | 24 | 13 | 24 | 28 | 22 | 26 | 29 | 24 | 22 | 22.96 | 24.00 | | | |
| Courts | 27 | 19 | 6 | 9 | 16 | 16 | 6 | 19 | 24 | 4 | 18 | 15 | 15 | 29 | 5 | 1 | 23 | 15 | 12 | 1 | 30 | 16 | 15 | 14.83 | 14.09 | | | |
| Dental/medical/surgical/outpatient clinics | 17 | 29 | 28 | 30 | 18 | 25 | 13 | 24 | 22 | 17 | 31 | 31 | 19 | 30 | 29 | 29 | 13 | 21 | 18 | 19 | 26 | 23 | 27 | 23.43 | 19.59 | | | |
| Dialysis clinics | 29 | 27 | 29 | 31 | 27 | 27 | 28 | 25 | 27 | 29 | 29 | 30 | 30 | 27 | 27 | 28 | 31 | 20 | 25 | 29 | 23 | 22 | 23 | 27.09 | 28.32 | | | |
| Dry cleaning establishments | 18 | 1 | 8 | 5 | 1 | 5 | 2 | 4 | 4 | 11 | 14 | 7 | 2 | 7 | 4 | 10 | 2 | 10 | 4 | 5 | 15 | 2 | 4 | 6.30 | 6.59 | | | |
| Funeral homes | 11 | 12 | 1 | 19 | 2 | 2 | 1 | 9 | 2 | 6 | 2 | 1 | 3 | 8 | 25 | 4 | 8 | 2 | 2 | 3 | 9 | 10 | 2 | 6.26 | 6.55 | | | |
| Gas stations and convenience stores | 5 | 18 | 7 | 8 | 11 | 10 | 20 | 11 | 5 | 10 | 6 | 10 | 10 | 20 | 1 | 6 | 15 | 13 | 14 | 13 | 6 | 8 | 6 | 10.13 | 10.59 | | | |
| Government agencies and emergency services | 30 | 24 | 27 | 27 | 31 | 18 | 31 | 31 | 31 | 24 | 22 | 14 | 27 | 22 | 21 | 8 | 29 | 31 | 29 | 14 | 25 | 26 | 31 | 24.91 | 24.00 | | | |
| Grocery stores | 7 | 5 | 11 | 1 | 6 | 3 | 12 | 16 | 1 | 9 | 9 | 4 | 11 | 12 | 11 | 24 | 17 | 7 | 10 | 10 | 3 | 6 | 13 | 9.04 | 9.23 | | | |
| Hotels | 6 | 11 | 10 | 3 | 5 | 9 | 5 | 7 | 9 | 7 | 5 | 3 | 12 | 10 | 7 | 17 | 5 | 5 | 5 | 8 | 4 | 14 | 7 | 7.57 | 7.91 | | | |
| Manufacturing and production plants | 13 | 14 | 4 | 11 | 10 | 8 | 19 | 3 | 13 | 15 | 13 | 6 | 29 | 21 | 10 | 18 | 12 | 3 | 9 | 6 | 12 | 15 | 12 | 12.00 | 11.23 | | | |
| Medical laboratories and blood banks | 9 | 22 | 20 | 22 | 24 | 24 | 21 | 21 | 19 | 27 | 23 | 29 | 16 | 24 | 26 | 22 | 14 | 26 | 27 | 21 | 24 | 25 | 20 | 22.00 | 21.82 | | | |
| Medical supply and records facilities | 4 | 31 | 21 | 23 | 21 | 17 | 16 | 27 | 25 | 26 | 15 | 27 | 5 | 16 | 18 | 12 | 27 | 14 | 16 | 22 | 19 | 21 | 24 | 19.43 | 19.59 | | | |
| Mental health facilities | 21 | 13 | 19 | 16 | 19 | 21 | 27 | 30 | 21 | 18 | 17 | 23 | 20 | 26 | 28 | 14 | 22 | 23 | 26 | 28 | 13 | 17 | 21 | 21.00 | 20.95 | | | |
| Nursing homes | 25 | 25 | 30 | 25 | 29 | 23 | 23 | 23 | 26 | 16 | 30 | 25 | 26 | 23 | 30 | 21 | 25 | 24 | 17 | 31 | 27 | 29 | 26 | 25.17 | 26.32 | | | |
| Office complexes and property management offices | 1 | 8 | 2 | 6 | 9 | 7 | 8 | 12 | 7 | 1 | 7 | 19 | 4 | 11 | 12 | 2 | 6 | 1 | 1 | 7 | 7 | 1 | 10 | 6.48 | 6.77 | | | |
| Pharmacies | 15 | 17 | 15 | 15 | 17 | 19 | 11 | 22 | 17 | 13 | 16 | 26 | 9 | 3 | 20 | 19 | 28 | 17 | 13 | 25 | 21 | 20 | 19 | 17.26 | 17.05 | | | |
| Public event venues | 22 | 15 | 18 | 10 | 12 | 4 | 26 | 1 | 11 | 12 | 1 | 8 | 14 | 5 | 6 | 25 | 7 | 9 | 23 | 12 | 11 | 27 | 8 | 12.48 | 13.00 | | | |
| Refineries | 28 | 21 | 16 | 24 | 28 | 12 | 29 | 6 | 23 | 31 | 24 | 13 | 31 | 18 | 8 | 20 | 20 | 27 | 15 | 23 | 22 | 30 | 17 | 21.13 | 22.09 | | | |
| Research and other laboratories | 16 | 7 | 5 | 12 | 15 | 15 | 9 | 13 | 15 | 25 | 20 | 24 | 6 | 4 | 16 | 15 | 10 | 18 | 8 | 18 | 20 | 19 | 11 | 13.96 | 14.59 | | | |
| Restaurants and food processing plants | 8 | 9 | 12 | 13 | 8 | 13 | 4 | 2 | 6 | 2 | 4 | 9 | 28 | 13 | 13 | 16 | 1 | 4 | 19 | 9 | 8 | 7 | 14 | 9.65 | 9.23 | | | |
| Retail stores and beauty salons | 3 | 4 | 3 | 7 | 3 | 1 | 10 | 5 | 3 | 21 | 3 | 5 | 7 | 6 | 3 | 5 | 3 | 6 | 3 | 4 | 2 | 3 | 5 | 5.00 | 5.05 | | | |
| Schools and churches | 2 | 10 | 17 | 2 | 13 | 11 | 14 | 14 | 16 | 20 | 10 | 12 | 13 | 1 | 9 | 7 | 16 | 8 | 24 | 17 | 1 | 13 | 18 | 11.65 | 12.18 | | | |
| Security companies | 14 | 16 | 13 | 20 | 23 | 14 | 24 | 10 | 12 | 23 | 12 | 17 | 17 | 19 | 17 | 3 | 11 | 12 | 31 | 11 | 17 | 12 | 9 | 15.52 | 15.59 | | | |

Table I-3. (cont.)

| Business Group | Likelihood Ranks | | | | | | | | | | | | | | | | | | | | | | | | | | Mean Ranks | |
|---|------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|------------------|----------------------|------------|--|
| | Subject Number: | 1 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 26 | All ^b | w/o Own ^c | | |
| Sewage and waste treatment facilities | 10 | 6 | 23 | 18 | 26 | 31 | 18 | 20 | 20 | 30 | 21 | 11 | 23 | 14 | 14 | 23 | 19 | 25 | 11 | 20 | 14 | 18 | 16 | 18.74 | 18.68 | | | |
| Skilled nursing facilities | 24 | 26 | 31 | 21 | 25 | 26 | 17 | 26 | 28 | 22 | 28 | 28 | 25 | 25 | 31 | 27 | 26 | 22 | 28 | 30 | 28 | 31 | 25 | 26.09 | 26.00 | | | |
| Transportation facilities and companies | 19 | 30 | 26 | 14 | 20 | 30 | 15 | 18 | 14 | 3 | 26 | 21 | 21 | 17 | 19 | 31 | 21 | 16 | 21 | 16 | 31 | 28 | 29 | 21.13 | 21.41 | | | |
| Veterinary clinics | 20 | 3 | 14 | 17 | 14 | 20 | 7 | 17 | 10 | 5 | 27 | 22 | 1 | 2 | 23 | 9 | 9 | 19 | 20 | 27 | 18 | 5 | 1 | 13.48 | 13.45 | | | |
| Water districts and companies | 23 | 23 | 24 | 28 | 22 | 29 | 22 | 29 | 18 | 28 | 25 | 18 | 24 | 31 | 22 | 30 | 18 | 29 | 7 | 24 | 10 | 9 | 28 | 22.65 | 22.41 | | | |

^a Business groups ranked according to perceived likelihood of a severe health outcome or death resulting from a power outage of less than 2 hours in duration. The greater the ranking value, the greater the perceived likelihood.

^b Business group rankings by all participants.

^c Business group rankings by all participants minus ranking(s) made by representative(s) in the business group under evaluation.

Table I-4. Panel group study of potential public health and safety risks ranking by likelihood of health impact and exemption voting

| Business Group | Converted to Rank Scores | |
|--|--------------------------|------------------------|
| | Likelihood ^a | Exemption ^b |
| Dialysis clinics | 31 | 30 |
| Skilled nursing facilities | 30 | 30 |
| Nursing homes | 29 | 21 |
| Government and emergency services | 28 | 26 |
| Dental/medical/surgical/outpatient clinics | 27 | 26 |
| Correctional institutions | 26 | 11 |
| Water districts and companies | 25 | 28 |
| Communication stations | 24 | 19 |
| Medical laboratories and blood banks | 23 | 21 |
| Refineries | 21 | 25 |
| Transportation facilities and companies | 21 | 1 |
| Mental health facilities | 20 | 21 |
| Medical supply and records facilities | 19 | 24 |
| Sewage and waste treatment plants | 18 | 28 |
| Pharmacies | 17 | 18 |
| Security companies | 16 | 13 |
| Courts | 15 | 20 |
| Research and other laboratories | 14 | 11 |
| Veterinary clinics | 13 | 16 |
| Public event venues | 12 | 14 |
| Manufacturing and production plants | 11 | 1 |
| Schools and churches | 10 | 1 |
| Gas stations and convenience stores | 9 | 1 |
| Restaurants and food processing plants | 8 | 14 |
| Grocery stores | 7 | 1 |
| Hotels | 6 | 16 |
| Office complexes and property management offices | 5 | 1 |
| Dry cleaning establishments | 4 | 1 |
| Funeral homes | 3 | 1 |
| Automobile and other repair shops | 2 | 1 |
| Retail stores and beauty salons | 1 | 1 |

^a Business groups ranked according to perceived likelihood of a severe health outcome or death resulting from a power outage of 1 to 2 hours in duration. The greater the ranking value, the greater the perceived likelihood.

^b Ranking by study panel members when asked to vote on whether or not they believed a business group deserved an exemption from CPUC. The higher the ranking value, the more votes for an exemption a business group received.

Attachment I1

Panel Group Study Forms

Attachment I1

Panel Group Study Forms

Subject number: _____

Background Information

Present occupation: _____

Present workplace (description): _____

Age: _____

Gender: ___ male ___ female

What is the highest level of education that you have completed?

- _____ Some high school
- _____ Completed high school or GED
- _____ Some college
- _____ Completed a 2-year college degree
- _____ Completed a 4-year college degree
- _____ Some post-graduate work
- _____ Completed a post-graduate degree

If you have completed one or more college or graduate degrees, please describe each one; for example, an MS in civil engineering or a BA in sociology.

| Degree | Field of study |
|--------|----------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

**Power Outage Risk Study
Informed Consent**

for Administrative Use Only
All Participants' Names Will Be Kept Confidential

The purpose of this study is to learn about public understanding and attitudes related to the electric power outages. We are especially interested in what you think about the risks that may be associated with outages. You will be asked to provide written responses about these risks, and also to take part in a group discussion. You will not be asked to perform any other tasks.

We do not release the names or identities of any program participants to our sponsors. We do provide the results of our programs to our sponsors.

The study will take about 2 hours of your time. At the end of the session, you will be paid for your participation.

Please indicate your willingness to participate in this study by signing here:

(Signature)

6/28/01

**Power Outage Risk Study
Receipt of Payment**

for Administrative Use Only
All Participants' Names Will Be Kept Confidential

This study is one of many programs conducted by our firm for a variety of sponsors. We do not release the names or identities of any program participants to our sponsors. We do provide the results of our programs to our sponsors. Our sponsors may use these results for a variety of purposes.

Please acknowledge receipt of payment for your participation in the **Power Outage Risk Study**.

6/28/01

(Signature)

Attachment I2

Panel Group Study Experimenter Instructions

Attachment I2

Panel Group Study Experimenter Instructions

Power Outage Risk Study

Opening Verbal Instructions

Hello. My name is _____. Thank you for agreeing to participate in this study. We have brought you all together today to help us understand the risks that may be associated with electric power outages.

Here in California, we may be subject to rolling outages in the months ahead, when the agency that controls electric power finds that there is not enough electric power available to meet demand. As you probably know, this will result in some areas having their electric power turned off for several hours.

In order to minimize the risk of death or serious injuries, the California Public Utilities Commission or CPUC has decided that certain facilities will be exempt. The outages will not affect hospitals, air traffic control, emergency broadcast stations, and other such vital facilities.

The CPUC is considering giving exemptions to some other public or commercial facilities as well. Exemptions will be given only on the basis of public health and safety, not on the basis of economic or other possible losses. Facilities that think they deserve exemptions have submitted applications. How should the CPUC decide which facilities will get exemptions? One strategy is to find out what the public thinks are the most important risks. That is why you are here. You have been carefully recruited to represent a wide variety of public facilities, commercial settings, and workplaces in which a 1–2 hour electric outage might have some risk of serious injury or death.

Here is what we are going to do. Each of you will be asked to read some information about a variety of facilities, and you will sort them from the one you think is the riskiest down to the least risky. Then we will discuss some of the risks, and have some additional written questions at the end. We will also ask you for some background information: your age, occupation, and education.

First, we would like to get your agreement to participate. This is called informed consent. The most important thing for you to know is that your responses here tonight will be anonymous. We will provide your responses to our sponsor, but we will not provide your names. You are being recorded by videotape and audiotape, and several people are watching the study from behind the one-way mirror.

[informed consent—collect them after subjects have signed]

Each of you will receive a deck of 31 cards, along with a facility list and a background information sheet. Please fill out the background information sheet now, so we can collect them. Copy the subject number from the back of your card deck to the Subject Number blank on the top right of the background information sheet.

[collect background information sheets]

In the first part of the study you will be sorting the cards. Look at the top card as an example. Each card names a type of facility. Beneath that is a list of potential hazards that people at that facility might face if there is a 1–2 hour power outage. Each of these hazards might lead to serious injury or death for one or more people at the facility.

These are hazards that were described by facility managers. Some of the hazards may seem a bit far-fetched or unlikely. Others may be hazards that shouldn't cause a problem if the facility follows typical safety and health precautions that are standard practices or legal requirements.

In addition, there are some possible hazards that are the same at nearly all of these facilities. We haven't included these in the lists, but try to keep them in mind:

- Increased risk of heat-related illness, particularly in elderly and at-risk populations
- Trapped or hurt by failure of elevator/escalator service
- Disabled communication systems for emergency assistance
- Trip and fall accidents due to poor lighting
- Violent crimes.

Here is your first task: we want you to sort the cards, putting them in order, from the one where you think it is most likely that there will be at least one serious injury or death in a power outage, down to the one where you think it is least likely. That can be difficult to do with so many cards, so here is how we want you to do it:

First, read through all the cards and their hazard lists, and sort the cards into 3 piles. Make one pile for the ones with high likelihood of a serious injury or death, a second pile for those with medium likelihood, and a third pile for the ones with low likelihood. After you do that, take each pile and sort the cards in order, with highest likelihood of serious injury or death on top, and lowest likelihood on the bottom. After you do all 3 piles, just combine them, make sure you put the high likelihood pile on top and the medium one next.

We are going to take just 30 minutes to do the sorting. Hopefully that will be enough time for you to read all the cards, sort them, and number them. After that we will come back in here for the discussion.

[collect card decks]

The CPUC will not be able to give exemptions from outages to all types of facilities that apply. Suppose that it was up to you to decide which facilities will get exemptions, and which will not. We are going to go over the hazards that have been suggested for each type of facility, and ask for your comments or suggestions. We especially would like to hear comments from people who work in the type of facility being discussed—are there hazards we haven't mentioned, or do some of the hazards need to be described further?

[discussion; show-of-hands voting on each facility type]

[several remaining questions raised at end, also for show-of-hands voting]

[thank them, give them Payment Receipt forms to sign and hand over to receptionist for payment]

Attachment I3

Panel Group Study Examples of Facilities in Each Business Group

Attachment I3

Panel Group Study Examples of Facilities in Each Business Group

| Business Group | Example Facilities |
|--|--|
| Automobile and other repair shops | Auto repair, towing, other auto repair services |
| Communication stations | Telephone, radio/TV station, internet, wireless service providers, post offices, newspapers |
| Correctional institutions | State prisons, county jails, detention centers |
| Courts | County court buildings |
| Dental/medical/surgical/outpatient clinics | Dental clinics, doctor's offices, health centers, laser/ambulatory/plastic surgery centers |
| Dialysis clinics | Dialysis centers |
| Dry cleaning establishments | Dry cleaners, laundromats |
| Funeral homes | Funeral homes, mortuaries, crematoriums, coroner's office |
| Gas stations and convenience stores | Gas stations, petroleum facilities, propane sales and distribution services, emergency fuel supplies |
| Government agencies and emergency services | Flood control districts, city/state agencies or departments, social security administration, emergency services (e.g., ambulance, police, fire), dispatch services, answering services (emergency) |
| Grocery stores | Grocery stores, supermarkets |
| Hotels | Hotels, resorts, country clubs, motels |
| Manufacturing and production plants | General production/manufacturing (e.g., iron castings), printmaking, copying, silk-screening facilities |
| Medical laboratories and blood banks | Medical-related labs, repository, diagnostic labs, blood banks |
| Medical supply and records facilities | Places providing equipment, tissues for medical/dental facilities; places providing medical records, files, data |
| Mental health facilities | Mental health centers |
| Nursing homes | Nursing homes, convalescent hospitals, assisted/independent living apartments, residential care facilities |
| Office complexes and property management offices | Office buildings/complexes |
| Pharmacies | Drug stores, pharmacy services |
| Public event venues | Stadiums, theaters, convention centers, nightclubs, gymnasiums, exercise/fitness centers, fairgrounds, libraries |
| Refineries | Oil refineries, gas pipelines |

| Business Group | Example Facilities |
|---|---|
| Research and other laboratories | Research/environmental labs |
| Restaurants and food processing plants | Restaurants, food production facilities, food storage/distribution centers, wineries, farming, catering services |
| Retail stores and beauty salons | Jewelry shops, shopping malls, skin care, hair, and beauty salons, sporting goods stores (sale of weapons) |
| Schools and churches | Public/private schools, day care centers, churches |
| Security companies | Private security companies, security alarm system companies, computer companies |
| Sewage and waste treatment plants | Sewage/wastewater treatment, sanitary districts, solid waste facilities |
| Skilled nursing facilities | Nursing rehabilitation facilities, HIV health centers, developmentally disabled health care centers |
| Transportation facilities and companies | County transit offices, public transportation, taxi companies, sea-ports/airports (support services), transport companies |
| Veterinary clinics | Veterinary hospitals/clinics, pet centers/stores, zoos, animal breeding facilities |
| Water districts and companies | Water departments/districts, water/water-testing companies |

Attachment I4

Panel Group Study Observer's Notes

Attachment I4

Panel Group Study Observer's Notes

- 6/28/2001 6:30–8:30 pm
- N=23 (of 26 recruits)
- Tom Ayres leading; Li Li assisting/observing
- Started sorting cards at 6:45 pm, completed at 7:20 pm; discussion began 7:25.

Participant Comments

Public Health

- Five people were present as representatives of this category
- Some asked about how much warning the facilities get and how early
- Some commented that most of the facilities should have backup generators
- One commented that the duration and reliability of backup generators in the facilities are unknown
- One mentioned that the fire code requires backup lighting at the exits of large buildings
- Some commented that power outages in veterinary facilities constitute a greater danger to animals than to people, and that many people value their pets highly, so there could be emotional distress as a possibly serious consequence
- Some suggested that a 1–2 hour power outage should not cause serious risks from loss of refrigeration, because refrigerators will keep things adequately cold for several hours, especially if they are not opened until the power returns
- For pharmacy, some mentioned that hospitals have pharmacies that are already exempted
- Some mentioned that the elderly or infirm could be hurt by an evacuation or stranded due to failure of elevators in a health-care facility.

Public Service

- Some commented that emergency services should have backup systems, but even so, it could take a couple of minutes to have power go back on
- One mentioned that transmission towers should have power backup
- Some commented that the category of transportation facilities is too general
- Some commented that it is the responsibility of public event facilities to be aware of outage warnings and to plan accordingly, including the cancellation of events
- One mentioned that drinking water would not be contaminated during a power outage because of emergency systems, and that a flood could happen during power outage for high tide weather.

General Business

- Some commented that hotels could have large numbers of people in large conference rooms, and evacuation could cause problems similar to public event facilities
- Some commented that evacuating restaurants could be hazardous due to the many obstacles (e.g., tables and chairs)
- One commented on the possibility of risks for food processing plants that use high heat (e.g., roasting facilities)
- Some commented that the food in grocery stores and mini-marts shouldn't be contaminated during short outages if precautions are taken. In addition, they felt it was the responsibility of such companies to ensure that contaminated food was not distributed to the public.

Industry and Research

- Some commented that the category of manufacturing and production facilities is too broad
- One commented that production lines are automatically shut down during power outages
- Some commented that most refineries are hazardous and do not have power backup systems although they should have taken the precaution to do so.

Federal Agency

- One commented that most courts have backup systems
- Several commented that jails are better prepared, and that security systems should be remain in operation.

Additional Questions

- Fourteen considered the economic values of the facilities when ranking the business types
- Some commented that, in their minds, the risks associated with an outage were vastly reduced because organizations would be forewarned about the timing of the outages
- Twenty-one out of 23 took the total population count into consideration when sorting the cards
- When they were asked to suggest just one facility type that should be first to get an exemption, the most commonly mentioned types were dialysis centers, medical facilities, water supply companies, and refineries.

Appendix J

**State of California Water
Division's April 26, 2001,
Memorandum to CPUC
Regarding Inquiry into the
Impact of Rolling Blackouts
on Class A and B Water
Utilities**

**State of California's May 31,
2001, Memorandum to the
State of California Water
Division regarding Inquiry
into the Impact of Rolling
Blackout on Class C and D
Water Utilities**

STATE OF CALIFORNIA



MEMORANDUM

Date: April 26, 2001

To: The Commission

From: Dean J. Evans, Director
Water Division

Subject: Inquiry into the Impact of Rolling Blackouts on Class A and B Water Utilities

Due to the energy situation and rolling blackouts that occurred earlier in the year, the Water Division staff has conducted an informal inquiry of the Class A and B water utilities.

Each Class A water company, (more than 10,000 customers), and each Class B water company, (between 2,000 and 10,000 customers), was asked if they had been affected by the rolling blackouts throughout the state. In addition, each utility was asked if they believed they had adequate back-up generation and storage, what their customers may have experienced if a blackout had occurred, if they had to rely on elevated storage, emergency generators, and what they plan to do should blackouts occur in the future.

Adam Thaler of the Water Division gathered and summarized the data. The overall conclusions are as follows:

- During the first four months of the year, California's energy situation and rolling blackouts have had no significant impact upon the regulated California Water Industry, in part due to the "y2k" efforts in 1999.
- Class A and B water utilities (Serving about 95% of the regulated customers) appear to have the matter well under control with little to no impact on customers service at this time.

In addition, the Water Division staff will be surveying the Class C and D water companies in the near future.

Below is a summary of the utilities' initial response. However, we have asked the Class A and B water utilities to update their responses to reflect some of the more recent concerns including the likelihood of increased rolling blackouts expected to occur in the coming summer months.

CALIFORNIA WATER SERVICE COMPANY - 391,000 CUSTOMERS

California Water Service Company has not experienced any major difficulties due to either PG&E's or SCE's recent power difficulties. Although several of their operating districts did experience brief power failures, back-up power generators and other emergency preparations allowed operations to continue uninterrupted.

Most of the district's water distribution systems have either adequate storage facilities or back-up electricity generators to maintain system pressures during power failures. Many of Cal Water's "Y2K" preparations have bolstered the company's ability to respond to these recent power outages because of better emergency preparedness planning as well as additional back-up power generators being installed throughout the company.

On April 24, 2000, the California Water Service prepared the following updated information to the Water Division:

California Water Service still believes that its district's water distribution systems have adequate storage or back-up electricity generators that will allow us to maintain system pressures during power failures. We have experienced several "rolling power outages" throughout the company (including our general office facilities) and have been successful at maintaining normal operations. Barring any extended power outage, Cal Water feels that it is prepared to deal with short term rolling power outages as they occur.

SAN JOSE WATER COMPANY - 211,400 CUSTOMERS

San Jose Water Company (SJWC) experienced a rolling blackout on January 17, 2001.

Generally, the indirect costs associated with such events are comprised of the time required by the administrative staff to redirect management of the sources of supply that are available to meet projected usage and maintain fire protection in the system. Although SJWC has a sophisticated SCADA (System Control and Data Analysis) system that provides the interface between the operators and the field equipment, when energy interruptions occur, human interaction is required to resolve any deficiencies in deliveries to each system zone impacted. Obviously these costs can be significant in a large system and can be ongoing as rolling blackouts shift to new areas of the system each hour. The time spent by the Operations staff takes away from time spent to manage other important activities of the core business and results in decreased efficiency and productivity.

The SJWC system is designed to sustain operation during high water demand periods, which normally occur in the summer months. The total daily production ranges from 75

MGD in the winter months to over 200 MGD in the summer months. Consequently, a winter day rolling blackout, has far less impact on the system and the ability to recover the lost production in the same day, than would be the case on a summer day. Thus, should similar rolling blackout events occur during the summer months it will have a much greater system impact and direct cost impact. In addition such events could lead to require water conservation mandates in parts of the system impacted by the power blackouts.

Although SJWC has back-up contingency plans for the majority of its system, prolonged and sustained rolling blackouts would adversely affect the delivery of import water in addition to the production of groundwater in the system. Currently, the back-up contingency plans are to run the 6.8 mW of on-site diesel generators that are installed at 18 production and booster stations in the distribution system. This equipment is capable of producing 42 MGD of groundwater and boosting 24 MGD of interzone water. In addition to the fixed generation equipment, SJWC has two portable generators with a capacity of 550 kW and has installed automatic transfer switches at 33 stations for hook-up to the portable units. Additionally, the commercial office, the Montevina Treatment Plant, and the operations control centers are equipped with standby generators that allow critical distribution and customer service operations as well as surface water production to continue during an energy outage. On site fuel storage for each of the diesel generators is limited to 400 gallons, providing approximately 8 hours of run time between re-fueling.

On April 24, 2000, the SJWC prepared the following updated information to the Water Division:

UPDATE ON BLACKOUTS IN SJWC'S SYSTEM

"We are not aware of any additional blackouts in the SJWC system since the reported January 17, 2001 event. There have been multiple days with stage three alerts but no blackouts that we are aware of. SJWC has asked PG&E to furnish blackout data for our service area by account. Once again blackouts during the winter months are relatively insignificant to the operations due to the overall low system water demand. This is not the case during the summer months when system demand will more than double.

NEW INFORMATION ON THE ENERGY CRISIS PROVIDED BY SJWC:

1. **General:** What the suppliers have told SJWC. We have been told by the suppliers that the anticipated energy shortage for an average day this summer will be 6,300 MW up to 10,000 MW. This translates to a possible 39 to 50 days of blackout events during the months of May through September 2001. The duration of the blackouts and the number of power blocks impacted per blackout have not been determined. Some users are lobbying for longer duration blackouts of the same power blocks while most utilities would prefer shorter blackout periods with rotating power blocks. Due to the potential required

energy savings, the number of power blocks impacted per blackout will be greater than the 1 1/2 to 2 blocks experienced during the January 17 event.

2. Santa Clara Valley Water District (SCVWD): What the district has told SJWC. The overall water supply is sufficient to meet contract deliveries in The SCVWD has or will have in place by May 15, 2001, back-up generators at all its critical facilities and be able to sustain blackouts in the system as long as they can obtain fuel and keep the equipment running. There are no back-up generators for contractor raw water supply pumps that feed their SCVWD's filter plants. These are the State and Federal projects that the SCVWD purchases water from. These facilities are currently not exempt from blackouts. If the State and/or Federal supplies are interrupted, the district will go to in-county sources of supply and will reduce contract deliveries to SJWC to only 50% for the duration of the blackout. Because of the above information, the likelihood of a blackout impacting SJWC's service operations this summer has increased. We are planning for and expecting to see up to 50 days with blackout periods ranging from 2 to 12 hours in duration with an expected total energy shortage of up to 10,000 MW.
3. What SJWC has done to date: SJWC has compiled an "Energy Action Team" composed of critical department members who are addressing all blackout related issues including water supply plans, curtailment / restrictive use plans, public notification plans, restoration of service plan (in the event of low or zero pressure in a zone), general conservation plan and utility interaction plan. SJWC has run a computer model system analysis for 2 hour, 6 hour and 12 hour blackouts, to determine which zones would be at risk for ability to supply expected demands.
 - For both an average summer day and a max. Summer day it appears that there will only be minimal impact on the system in case of 2 hour rotating blackouts.
 - For 6 hour and 12 hour rotating blackouts, about 13 zones of 41 zones could be impacted. SJWC is planning to utilize in house or leased portable generator equipment to sustain service during these periods and may impose restrictive use rules as required. SJWC is considering installing additional backup generators at its office facilities to allow for full building occupancy and full operation during a blackout event. Currently the commercial office, the Montevina Treatment Plant and the Operations Control Center are equipped with standby generators that allow critical distribution and customer service operations as well as surface water production to continue during an energy outage. SJWC does expect to incur additional energy and overall operating cost increases associated with the power blackouts. These will include additional groundwater supplies to replace import water shortfalls when the district reduces contract deliveries, additional high priced groundwater supplies

to make up for shortfalls and replenish storage from previous day blackout events for fire protection and domestic purposes, leased generators for critical water supply and for full facilities operation, and additional fuel costs to operate owned and leased generators.

GREAT OAKS WATER COMPANY - 20,130 CUSTOMERS

Great Oaks Water Company supplies its customers from 15 deep wells distributed throughout our service area. Under PG&E's rolling blackout procedure, only a few of these wells at any one time would lose power, and then for only one or two hours. Some of the wells are protected by backup diesel powered electric generators. Great Oaks Water Company has experienced two rolling blackout occurrences so far this year. There was no degradation of water service during this time. Furthermore, three of their larger wells are exempt from rolling blackouts because they are near a large community hospital.

The office has a backup generator to power the telephones, computers, radios, and SCADA system. The company anticipates further rolling blackouts this summer, but expect no water service problems.

CALIFORNIA AMERICAN WATER COMPANY - 105,400 CUSTOMERS

Cal-Am has four primary service districts: Coronado, L.A., Village (Thousand Oaks), and Monterey. The company believes it has adequate backup emergency generators to meet customer demands throughout the company, with the exception of a small area in Monterey. Some customers served by hydro-pneumatic and closed-end booster stations are not served when power is interrupted. This would affect approximately 200 customers in Monterey.

To date, Cal-Am has experienced only one rolling blackout. That was in Monterey and affected a few facilities in the cities of Monterey and Seaside. They were able to satisfactorily rely on storage in that case. During a prior power outage (technical rather than supply problem) in the Coronado District, the company was able to activate the generator and manually monitor the (2) tank levels, as the system is entirely gravity fed.

On the assumption that if blackouts should occur, they would be limited to 2 hours, their storage and standby generation should be adequate. Nevertheless, in order to remain prepared, they are operating the storage facilities at the highest possible cycles and maintaining and testing all generators to ensure they will operate during an emergency.

If blackouts should occur, they would continue the above as well as physically inspect facilities during the loss of power should the SCADA system not be functioning, revisit the physically impacted facilities after the power is restored to ensure there is no damage to electrical components, and inform local government officials of any impacts.

FRUITRIDGE VISTA WATER COMPANY – 4,650 CUSTOMERS

Fruitridge Vista Water Company has not experienced any blackouts in its system, which consists of 17 wells. That system is equipped with two old diesel generators at well sites #11 and #12 that are not in use due to MTBE and PCE contamination respectively. The company currently has replaced one of the generators and has another under construction. The company notes: "As the PUC has never approved of backup power for Fruitridge in the past, we are under-protected at this time. Please let me know if this policy has changed in light of the current power crisis."

The company further indicates: "We are doing everything within our limited resources to make sure we are ready of a blackout occurs. As to the office, we backup our files and would have to wait until power resumes in order to resume computerized work".

PARK WATER COMPANY –26,700 CUSTOMERS

To date Park Water Company has not experienced any blackouts caused by the energy crisis. Most of Park's water supply is from the Metropolitan Water District (MWD), which under an emergency will be able to supply Park Water for a small period of time. As the emergency unfolds they will have ample time to place emergency generation at one of many wells. As the system is regulated the wells will be put on line, on an as needed basis. In addition they have an above ground tank that has a gas-operated engine to supply water.

The main office and communication and computer systems are also able to run on emergency generation. The small fleet of generators are all diesel powered. The company's facility has an on-site above ground diesel tank with 2000 gallons of fuel.

EAST PASADENA WATER COMPANY - -2,760 CUSTOMERS

East Pasadena Water Company (EPWC) is and has been prepared in the event of rolling blackouts in our service territory. To date, there has not been an actual interruption of service. The company has made the following provisions to maintain service:

1. Member of Raymond Basin Emergency group to share resources, communications equipment
2. Availability of City of Pasadena Water and Power water tie-in (power independent of SCE)

3. Elevated reservoir levels set per the Company emergency plan
4. Answering Service and Messages to inform the public, E-Mail with Fire and Safety Agencies
5. Employee assignments to various plant-sites for manual pumping and sampling
6. Pre-approval for the rental of any generating equipment
7. Back-up pack for our SCADA System and Network System
8. Customer notice via telephone recording and some door hangars if outage prolonged
9. Investigating the costs of a generator as part of New Well Project and for emergencies
10. Company Management on-site to handle all activities and emergencies

APPLE VALLEY WATER COMPANY – 14,400 CUSTOMERS.

To date Apple Valley Ranchos Water Company has not experienced any black-outs caused by the energy crisis.

Should the company have extended power outages, they have elevated storage and generators to meet demand. The operation plan calls for production personnel to tow portable generators to designated well sites under this type of outage. In addition they have two well sites equipped with natural gas/propane powered motors.

Apple Valley's office operations, communications, and computer systems are all covered by an auto-start generator. The generator is sufficiently sized to operate all demand at our office, including air conditioning in the summer months.

All of their generators are diesel powered. They have an on-site, above ground, fuel storage facility with 24,000 gallons of fuel.

SAN GABRIEL VALLEY WATER COMPANY 81,000 CUSTOMERS.

San Gabriel Valley Water Company has not yet experienced any blackout resulting from the current energy crisis. Should they experience an extended power outage during the cooler months, existing elevated storage and auxiliary generators will enable the company to meet customer demand in both Los Angeles County and Fontana Water Company divisions. To enhance its ability to meet customer demand in the event an extended power outage were to occur during the warmer months, the company plans to construct additional storage reservoirs and increase its power generation capacity over the next several years.

The company has installed seven diesel-powered emergency generators that have a combined capacity of approximately 3500 kilowatts. Each generator is self-contained, including sufficient fuel to allow for approximately 10 hours of operation. However, existing AQMD permit restrictions limit the operation of these generators during non-emergency conditions. In order to make full use of these generators during extended power outages, the existing emissions standards and restrictions on the hours of operation would have to be modified or eliminated.

SOUTHERN CALIFORNIA WATER COMPANY – 245,200 CUSTOMERS.

Southern California Water Company (SC Water) provides water service to 21 service areas located throughout California.

The 21 service areas are grouped into three regions, based on geographical proximity.

At this point, Water Division has received input from two of the three regions: Region 2 (Metropolitan which serves areas of LA county), and Region 3 (which serves portions of Orange County, and the San Gabriel valley).

To date, neither region 2 nor 3 has experienced a blackout associated with the current energy crisis. The closest thing to a blackout occurred in the operation of a well owned by Pomona College, but operated by (SCWater), which has been shut off almost daily for a period of time because the college receives power on an interruptible schedule. On those occasions, (SC Water) plans to use a generator to power the well pump.

In the event of a power outage, both Regions 2 and 3 have elevated storage, portable generators, and connections to MWD supplies.

Region 1 is in Northern California. It receives some power from PG&E. At this time, we do not have any information on their experiences regarding power outages during the recent energy crisis.

CITIZENS UTILITIES OF CALIFORNIA- 60,400 CUSTOMERS

Citizens operates four districts with 12 separate water systems located in four different counties in California. This response will be broken out by water district:

Montara

Montara is a Block 50 rated area served by PG&E. As such, it is considered an uninterruptible service and will not be subject to the rolling blackouts. Regardless, the Montara district has 662,000 gallons of finished water storage which can gravity flow

into the system. There are also three portable generators located within the service area, one of which is dedicated to a booster station.

The system has not yet been adversely affected by the threat of rolling blackouts.

Felton

The Felton District is served by PG&E. The district has 880,000 gallons of finished water storage which can gravity flow into the system. There are also two portable generators located within the service area, one of which is dedicated to the water treatment plant and booster station and has an auto-start feature. There is also a gas engine booster pump, which is available in the event of a power shortage.

While they have experienced periodic loss of power, to date the operations has not been adversely affected by the threat of rolling blackouts.

Larkfield

The Larkfield District is served by PG&E. The district has 847,000 gallons of finished water storage which can gravity flow into the system. They have made arrangements with a local generator supplier to have portable generators available within the service area should the need arise.

While they have experienced periodic loss of power, to date the operations has not been adversely affected by the threat of rolling blackouts.

Sacramento

Both PG&E and Sacramento Municipal Utilities District (SMUD) serve the Sacramento District. The Sacramento District is made up of nine distinct service areas, which are not interconnected and are interspersed throughout Sacramento County.

Two of these service areas are located in the Sacramento Delta, approximately 50 miles from the remainder of the service area. The first, Isleton, has 100,000 gallons of elevated storage which can gravity flow into the system. They have ordered a generator and automatic transfer switch to operate the largest single source of supply in Isleton. The other system, Walnut Grove, has no storage available. They have ordered a generator and automatic transfer switch to operate the largest single source of supply in Walnut Grove.

The remainder of the Sacramento District service areas are interconnected with neighboring utilities for mutual aid. These water delivery areas have extensive distribution grids and span more than one SMUD blackout area. As such, while one portion of a service area may be without power, the remaining portion stays on and can provide water to the affected area. In addition, the Parkway area has several million gallons of ground storage, a large interconnection with the City, a diesel powered booster pump and three generators. Two of the generators, while portable, are dedicated to booster stations.

The Sacramento office computers and communications equipment are protected by uninterruptible power supplies, which will allow these systems to remain on line for the duration of a rolling blackout.

While they have experienced periodic loss of power, to date the operations has not been adversely affected by the threat of rolling blackouts.

Contingency Planning

Citizens is continuing to monitor the energy crisis and will revise their contingency planning as conditions change. This may include increasing the number of interconnections with other purveyors and expanding our auxiliary power capabilities, as well as modifying our operations for energy conservation.

SUBURBAN WATER COMPANY – 74,400 CUSTOMERS

To date, Suburban Water Systems has not experienced any blackouts caused by the energy crisis.

Should Suburban have any extended power outages, there are adequate levels of elevated storage tanks and natural gas engine pumps to meet demand for up to a 12 hour period. However, seven pressure zones with a total of approximately 5,100 customers would experience a temporary loss of water immediately after a power interruption. Each of these pressure zones have the capability of having service restored by Suburban moving one of two portable pumps to the location where the power is out.

Pressure zones served by natural gas engine pumps would not have the full water service and pressure that the zones normally have with electric motor pumps to the location where the power is out.

Although service would be available, system demands would probably be such that demand would exceed supply and water pressure would be decreased accordingly. Time of year and weather would also have an influence on water pressure in non-elevated tank pressure zones.

VALENCIA WATER Company – 22,300 CUSTOMERS

To date, Valencia Water Company (VWC) has not experienced any rolling blackouts caused by the ongoing energy crisis.

Valencia maintains sufficient storage to meet demands during short term rolling blackouts. While there are no onsite generators at production facilities, Valencia would

contact third party generator supply companies to bring in rental generators to specified sites for longer duration outages as needed to maintain public health and safety.

The office operations, communications, SCADA system and computer systems are served by an auto-start generator capable of allowing normal operations during an outage. Onsite fuel supplies will allow operations for approximately 100 hours and they have ready access to other fuel supplies, which will allow operations for several more hundred hours.

PEERLESS WATER COMPANY - 2,000 CUSTOMERS

Peerless Water Company has not experienced any blackouts and did not respond to the inquiry other than to state that this will be Southern California Water Company's concern after the proposed merger. At this time SC Water is handling the Peerless operation.

ALCO WATER COMPANY - 6,780 CUSTOMERS

Alco Water Service maintains several small water systems in outlying areas of Salinas, two of which were affected by the rolling blackouts. The two affected systems have elevated water storage facilities, which were adequate to last through the blackout periods. For outlying systems with booster stations, the utility maintains portable generators that can be transported onsite within minutes. To date, no booster stations have been affected by the rolling blackouts.

Also, larger, in-town Salinas service area has not experienced a blackout as of yet, however, the utility maintains standby generation at our primary well source facilities, which is adequate to last through the blackout periods. The standby generators are diesel powered, with onsite fuel storage.

Should the rolling blackouts continue, Alco Water Service is prepared to meet the needs of its customers and continue providing public utility water service with the same use of water storage facilities and standby generators.

CALIFORNIA UTILITIES SERVICE, INC. - 1,060 CUSTOMERS

California Utilities Service, Inc. (CUS) has been informed that the Water Division is performing an informal inquiry regarding the effect, if any, that PG&E rolling blackouts have had on Class A and B water companies. CUS is a Class C sewer company and was affected by the blackouts. CUS would like to take this opportunity to answer the inquiry from the perspective of a wastewater treatment plant:

"The CUS facility was affected one time by a rolling blackout. While the plant does maintain a standby generator, we are still concerned about the blackouts because we deal with a continuous influent of sewage. The one time we were hit by a blackout, the standby generator came on immediately and worked flawlessly. However, if there were a way for us to be exempted from rolling blackouts, it would certainly be preferable to reliance on standby generation. If, for some reason, there were a blackout and the standby generator failed, the utility would not be able to treat the wastewater and there would be a potential of causing a problematic situation with the continuous incoming raw sewage. Any suggestions or advice on how to exempt our wastewater treatment plant from rolling blackouts would be greatly appreciated"

DEL ORO WATER CO.- 7,800 CUSTOMERS

The company has not experienced any black outs caused from the energy crisis. They do have occasional electrical power outages that can last for several days. The company has large storage tanks and three diesel portable generators that can be moved around to take care of pumps in different zones and also a propane generator that keeps all communication going, phones, computer (which shows tank levels) and an auto dialer for the alarms. On call personnel are experienced dealing with power outages.

To date, the following Class B Water Utilities have not responded to this inquiry in writing:

- 1) County Water Company
- 2) Hillcrest Water Company—Hillcrest may soon be purchased by Yuba City.

However, each of the above has informed us that they have not experienced any rolling blackouts or interruptions that have had any impact on their customers.

STATE OF CALIFORNIA

MEMORANDUM

May 31, 2001

To: Dean J. Evans, Director
Water Division

From: Adam J. Thaler

Subject: Inquiry into the Impact of Rolling Blackouts Class C and D Water Utilities.

Due to the energy situation and rolling blackouts that occurred earlier in the year, the Water Division staff has conducted an informal inquiry of the Class C and D water utilities. On April 25, 2001, a similar report was submitted to the Commission for the Class A (more than 10,000 customers) and B (between 2,000 and 10,000 customers) Water Utilities.

Each Class C water company, (between 500 and 2000 customers), and D water company, (less than 500 customers), was asked if they had been affected by the rolling blackouts throughout the state. In addition, each utility was asked if they believed they had adequate back-up generation and storage, what their customers may have experienced if a blackout had occurred, if they had to rely on elevated storage, emergency generators, and what they plan to do should a blackout recur in the future.

The overall conclusions are as follows:

- During the first four months of the year, California's energy situation and rolling blackouts have had no significant impact upon the regulated California Water Industry.
- Arrowhead Manor Water Company and Mesa Crest Water Company were the only utilities that expressed serious concerns under the most extreme scenario.
- Class C and D water utilities appear to have the matter well under control with little to no impact on customer service at this time.

In addition, the Water Division staff will is currently surveying the all the regulated sewer companies.

Each Class C and D water utility was mailed a questionnaire with the following questions:

- 1) To date, has your company experienced any rolling blackouts? If yes, how many and what was the duration of the blackouts?
- 2) Provide a brief description of your backup generation and storage contingencies.
- 3) How is your company prepared to make it through a rolling blackout? (i.e. the utilization of emergency storage, elevated storage, or running standby generators). What impact, if any, might this have upon customer service?
- 4) Do you believe that the likelihood of rolling blackouts impacting your service operations has increased (in light of the expected shortages that may come about during the summer months) and what actions, if any, are being taken or considered?

Below is a summary of each utilities' response.

ARROWHEAD MANOR WATER COMPANY

To date, Arrowhead Manor has not experienced any rolling blackouts.

Arrowhead Manor responded as follows:

We have no backup generation and our storage capacity is limited to 600,000 gallons for service to 562 customers. A summer resort area, from Memorial Day until Labor Day our limited storage capacity has trouble supplying our customers with water under the best of conditions. We anticipate that if Cedar Glen should experience rolling blackouts, 100 - 200 customers will be subject to water outages within a few hours and potentially, the system could run out of water altogether.

We have three sources of water for our system, two from natural sources at reduced cost to the customers, and one from purchased water that is extremely expensive.

- 1) A tunnel which pumps approximately 30 minutes on and 30 minutes off, for 14 hours each day. If this water is not pumped from the tunnel, it is irretrievably lost to the customer because it flows into a creek and leaves the area.
- 2) A horizontal well which pumps three hours on and three hours off.

These two natural sources account for about 40% of the water AMWC distributes to its customers at one/tenth the cost of the purchased part of our supply.

- 3) The other 60% of our supply is purchased from the Crestline-Lake Arrowhead Water Agency. The supply provided by CLAWA is limited to only 100 gallons per minute because of the 2" size of our connection. If the blackouts should interfere with CLAWA's ability to pump water from its source, Lake Silverwood, it will significantly affect the availability of water to our customers. We do not know what the effect on CLAWA's operations will be during blackouts. At best, even if CLAWA has backup generators and service will not be interrupted, the 2" connection will prevent this source of supply from supplementing the losses from the tunnel and well.

With respect to being prepared for a rolling blackout, there is little that Arrowhead Manor can do in addition to the measures already taken in the field under normal conditions to make sure our storage tanks are full, and to assure adequate supply. Because of the drought, we are already encouraging our customers to conserve water and discontinue any non-essential water usage. We could try to impress our customers with the potential seriousness of the situation that could result from blackouts by printing a public notice in the local newspaper and/or send a notice through the mail. At least, then they would not be surprised by the reduced pressure and possible loss of water supply should blackouts occur.

With respect to customer service impact, at best, our customers would experience reduced pressure. In the summer, 100 - 200 of our customers could run out of water. Potentially, the system could run out of water altogether. In addition, if the pumps are shut down long enough to drain the lines, air in the lines could cause the fragile, 70-year-old pipes in the old part of the system that serves 400 or our 562 customers to burst, this exasperating the water supply problem.

Arrowhead Manor is *very* concerned about the possibility of rolling blackouts this summer and the effect it could have on our system. Without any rolling blackouts, Arrowhead Manor has difficulty supplying enough water to our resort customers during the summer months. With blackouts, the situation will be that much more difficult and serious. There is nothing more we can do than what we're already doing - keeping the storage tanks full, keeping leaks in the old part of the system to a minimum, and encouraging our customers to conserve.

SEARLES DOMESTIC WATER COMPANY

To date, Searles Domestic has not experienced any rolling blackouts.

Searles Domestic receives electricity for the water distribution system from any one of three power generating plants located in the Searles Valley. Two of these plants are owned and operated by our parent company, IMC Chemicals Inc. Our customers are

served or can be served water from elevated storage tanks. In the event of an isolated power outage (downed power lines, etc.) a 250 kw mobile generator is available to power equipment.

TIMBERLAND WATER COMPANY

To date, Timberland has not experienced any rolling blackouts.

Timberland does not receive electricity from any California electrical service provider. All power is supplied by Sierra Pacific Power Company (Nevada).

KLIEN HOMES WATER COMPANY

To date, Klien Homes has not experienced any rolling blackouts.

Klien Homes delivers treated pressurized water purchased from San Jose Water Company to 20 customers via a ¼ mile long 4" main. There are no electrical requirements, therefore, no impact on power outages.

THE SEA RANCH WATER COMPANY

To date, Sea Ranch has only experienced one rolling blackout which lasted 2 hours.

Sea Ranch has a generator to pump water from its wells and 7 metal water tanks plus a 375 acre-foot reservoir. In addition, a second generator was recently purchased to run its wells for blackouts.

BLACK BUTTE WATER COMPANY

To date, Black Butte has not experienced any rolling blackouts.

Black Butte has sufficient standby auxiliary diesel power should a blackout occur.

CONLIN STRAWBERRY WATER COMPANY

To date, Conlin Strawberry has not experienced any rolling blackouts.

Conlin Strawberry does not have backup generation. Should a blackout occur for an extended time period, a generator may be obtained from a local distributor in Sonora County. However, there is sufficient water storage (at least 675,000 gallons) to easily sustain a two-hour interruption with no impact on customer service.

FULTON WATER COMPANY

To date, Fulton has not experienced any rolling blackouts.

Fulton does not have any backup generators, however, there is sufficient storage capacity to sustain three hours of peak demand capacity.

In addition, Fulton does not anticipate rolling blackouts as they are served by Sierra Pacific Power of Nevada. Even if a blackout were to occur, it would have no impact on the water system.

CURTIS WATER COMPANY

To date, Curtis has not experienced any rolling blackouts.

Curtis does not have generation and storage contingencies at this time and is in the process of obtaining estimates for backup energy generation and will have sufficient standby capabilities in the near future.

In the event of a blackout, customers may experience a service interruption since there is no alternative source available at this time.

RIO PLAZA WATER COMPANY

To date, Rio Plaza has not experienced any rolling blackouts.

Rio Plaza has a backup generator system, which will come on automatically when Southern California Edison's power is lost. Since there is no elevated storage, this generator has been the key source for any outage over the past several years.

SERENO DEL MAR WATER COMPANY

To date, Sereno Del Mar has not experienced any rolling blackouts.

Sereno Del Mar has had some storm related outages in the past and maintains a 20-day storage supply. There is sufficient gravity storage to make in through any power outage that may occur.

In addition, Sereno Del Mar has installed a solar cell to operate a remote chemical pump and will install a wind generator to power a chlorine residual analyzer.

LAKE ALPINE WATER COMPANY

To date, Lake Alpine has not experienced any rolling blackouts.

Lake Alpine maintains a 35 kw generator and has 440,000 gallons of storage and is sufficiently prepared to handle power outages.

R.R. LEWIS SMALL WATER COMPANY

To date, R.R. Lewis has not experienced any rolling blackouts.

R.R. Lewis has experienced general outages in the past 20 years ranging from 1 hours to 10 days with no impact on customer service.

SEQUOIA CREST WATER COMPANY

To date, Sequoia Crest has not experienced any rolling blackouts.

Sequoia Crest has elevated storage tanks with 30,000 gallons of water in addition to a portable generator so short outages are not a problem.

BIG BASIN WATER COMPANY

To date, Big Basin has experienced one rolling blackout, which lasted 2 hours.

Big Basin has a 48-hour water storage supply at maximum flow rates and a back-up generator with an automatic switch for one pump pressurized zone. All storage tanks are on time-of-use filling except for the main filter plant and most pumping occurs between the off-peak hours between 8 p.m. and 8 a.m. Therefore, the system is full during off-peak electrical hours.

Big Basin is a mountain community which experiences days of power outages almost every winter with no water service interruption. A few hours during the summer months will have no effect on its customers or water production.

COBB MOUNTAIN WATER COMPANY

To date, Cobb Mountain has experienced one rolling blackout which lasted less than 2 hours.

Cobb Mountain presently uses 25,500 gallons of storage capacity. When 7,230 gallons are consumed, a float switch is activated which starts up the pump to refill the tanks in approximately 2-1/2 hours. The utility keeps its tanks pumped up and always maintains 72% of capacity as emergency storage. This pump cycle can occur at any time depending on customer demand.

Cobb Mountain anticipates that a 2-hour rolling blackout will have no impact on customer service.

GREENBELT WATER COMPANY

To date, Greenbelt has not experienced any rolling blackouts.

Greenbelt does not have any backup generation but normal storage permits gravity feed to all households. While a 24-hour outage may cause some concerns, a 2-hour outage could be sustained with normal operating conditions.

A longer blackout (significantly greater than 2-hours) may be a cause for concern, but there are no anticipated impacts on customer service for a normal rolling blackout.

GARRAPATA WATER COMPANY

To date, Garrapata has experienced two or three rolling blackouts lasting less than two hours each.

Garrapata has no backup generation but may install soon. Currently has about a two-day supply of storage. There has been no impact on customer service.

MEADOWBROOK WATER COMPANY

To date, Meadowbrook has experienced one rolling blackout lasting a duration of 70 minutes.

One of the wells is connected to Merced Irrigation District Electricity (MID-E) which has not been effected. The MID-E circuit has a few customers that would likely be immune to rolling blackouts due to low volume usage.

Backup contingencies consist of four wells, three of which have horizontal direct drive backup engines. Two of these units have automatic starting when electricity is absent and pressure drops to "start" levels.

Due to dual electricity power sources (PG&E and MID-E) and three backup power engines, water service will not be deficient due to blackout conditions.

TRAVER WATER COMPANY

To date, Traver has not experienced any rolling blackouts and does not anticipate any in the future. The power zone for Traver Water Company is zone 50, which is exempt from rolling blackouts.

COTTAGE SPRINGS WATER COMPANY

To date, Cottage Springs has not experienced any rolling blackouts.

Cottage Springs maintains 20,000 gallons of water storage tanks and owns a large generator.

The summer outages will have no impact on customer service.

MADDEN CREEK WATER COMPANY & TAHOE CEDARS WATER COMPANY

All power is purchased from Sierra Pacific Power Company based out of Nevada and no power outages are expected.

BASS LAKE WATER COMPANY

To date, Bass Lake has not experienced any rolling blackouts.

Should Bass Lake experience a blackout, there are two back-up generators -- one for the filter plant and one for a back-up well that has a total capacity of approximately 500 gallons per minute. This will sufficiently maintain the system and provide no significant impact on customer service.

The likelihood of a power outage is very small as the rotating outage block (block 50) is exempt from blackouts.

SOUTHERN CALIFORNIA EDISON

To date, Southern California Edison (SCE) has not experienced any rolling blackouts.

SCE operates a Class C water service on Santa Catalina Island. Catalina Island is unique in that it has its own stand-alone electric generation (Pebbly Beach Generating Station), located on the island. Both the generating station and the electric grid on Catalina are physically separated from the rest of SCE's mainland electrical grid. Consequently, Catalina has not been and will not be subject to any of the rolling blackouts resulting from the recent energy situation.

BEAR TRAP WATER COMPANY

To date, Bear Trap has not experienced any rolling blackouts.

Bear Trap has approximately 100,000 gallons of water storage in five different tanks that are kept full. There is a small 3500-Watt generator available equipped to run a pump at 16 gallons per minute. No impact on customer service is anticipated.

BAKMAN WATER COMPANY

To date, Bakman has not experienced any rolling blackouts.

58% of all Bakman's pumps are on block 50 which is exempt from rolling power outages.

RURAL WATER COMPANY

To date, Rural has not experienced any rolling blackouts.

Occasionally, Rural has experienced power outages from winter storms with durations of less than eight hours.

Back-up generators are maintained at all four pumping stations that have worked out very well.

Should Rural experience any rolling power outages, the utility will need to check some of the control systems for overload which could cause failure in water well and pressure change demand.

MESA CREST WATER COMPANY

To date, Mesa Crest has not experienced any rolling blackouts.

Mesa Crest Water Company is a Class C utility serving approximately 700 single-family residences in the city of La Canada. The water system consists of 4 pressure zones, with approximately 1,000 feet of vertical gain between the lowest and highest zones. The water is pumped through a series of 4 pumping and reservoir stations in order to reach the highest pressure-zone.

Mesa Crest Water has 3.5 Million gallons of storage capacity with the majority of this storage (2 million gallons) being at the highest altitude. The pressure in the system comes from gravity. Through a series of altitude valves Mesa can move water back through the system from the highest altitude to the lowest.

Mesa Crest purchases 100% of the water from FMWD (a sub agency of the Metropolitan Water District). The point of delivery pump station (FMWD connection) is on the same Edison circuit as the Fire Station in La Canada. Because of this, Mesa has been informed by Edison that this circuit will be exempt from rolling blackouts. This will allow Mesa Crest to at least purchase and pump water to the lower pressure zone of the system. Currently Mesa Crest Water is in the process of installing transfer switches at the two middle pressure zone pump stations which will allow us to connect to backup generators (if available) in order to move water to the top of the system. The final pressure zone has a backup generator to provide pressure to this part of the system.

The goal of Mesa Crest during the summer months is to maintain peak levels in all of the reservoirs at all times. However, as the utility has seen in numerous past years, peak summer demand has translated into pumping 24 hours a day, 7 days a week. Unfortunately, the current pumping capacity is barely sufficient to maintain the present water levels in the reservoirs. This is of great concern to Mesa Crest.

If Mesa Crest experiences a rolling power outage for a prolonged duration, the level in the upper 2 million gallon reservoir will drop and the utility will be hard pressed to recover the loss without interrupting service to customers.

Additionally, the northern boundary of the service territory is the Angeles National Forest. Due to this fact, Mesa Crest Water is at the front lines of fire protection for a large portion of the city. While it would not be economical to interrupt service to customers, it would be disastrous to lose the ability to provide fire protection due to an inability to pump water to the top of the system.

Although Mesa Crest has not experienced any rolling power outages due to the current energy crisis, the utility is planning on sending out a letter to all customers in conjunction with the annual water quality report extolling the virtues of conservation this summer.

Mesa Crest would prefer to have exempt status at all of its pump stations if that were possible, but realizes that this is not a practical solution to the problem. As stated previously, the primary objective of the utility is to maintain peak levels in our reservoirs at all times and hopefully acquire the resources to purchase backup generators.

Should power outages occur for a longer duration than expected, the main concern is maintaining fire protection during the summer fire season and is concerned about liability issues.

WEIMAR WATER COMPANY

To date, Weimar has experienced one rolling blackout lasting a duration of 2 hours.

Customer demand was low relative to peak summer months and there was minimal impact on the system.

Weimar has a sufficient emergency plan. The entire distribution system is gravity fed, so maintaining system pressure during a two-hour power outage is not a concern to the utility, but running out of water is. During the summer months, demands are significantly higher than during the winter season, and the company maintains approximately one day of finished water storage. A two-hour power outage occurring once or twice per week should not have any significant impact on the system.

Weimar is in the process of implementing the following safeguards to minimize/prevent interruptions of service:

- Maintain full storage reservoirs to the extent possible.
- Backwash filters in the early morning or late evening
- Purchase a standby generator (discussed below)
- Participate in the Water Agency Response Network (WARN)
- Post public warnings requesting conservation during blackouts if necessary

A two-hour power outage should not have any impact on customer service. However, power outages of longer durations could impact the ability to maintain adequate supply.

Weimar maintains a standby generator that can operate the water treatment plant. The purpose of the generator is primarily for loss of power during winter storms which can run for 24 hours as it has during winter storms.

Given the frequency of power outages anticipated, there is some concern about the impact on plant equipment. Motors and controls are sensitive to surges and damage could occur to equipment when power is turned on and off. In addition, rolling power outages during the summer months have the potential to significantly impact water treatment systems, depending on the frequency and duration.

PEIRPOINT SPRINGS WATER COMPANY

To date, Peirpoint Springs has not experienced any rolling blackouts.

Peirpoint maintains a 9000-watt backup generator and 30,000 gallons for storage.

No impact on customer service is anticipated.

Appendix K

Follow-up Interviews—Skilled Nursing Facilities and Dialysis Clinics

Appendix K

Follow-up Interviews—Skilled Nursing Facilities and Dialysis Clinics

Dialysis clinics and skilled nursing facilities were judged in the panel group study to have a relatively high risk of serious injury or death in the event of a rotating power outage (and received many votes for rotating power outage exemption), but applications that were received from such centers did not describe such high risks relative to other types of facilities applying for exemptions. This discrepancy could be explained in several ways; the panel group study participants may not have understood procedures at dialysis clinics and skilled nursing facilities well enough to judge risk properly; applicants from such centers may have been reluctant to admit high levels of risk; these facilities have smaller populations at risk than some emergency services and communication facilities; and finally, nursing home and dialysis clinics may have appropriately estimated public health risks while other facilities may have overestimated risk.

To gain a better understanding of the consequences that might be associated with outages at those facilities, structured interviews were conducted with three representatives of each type. Detailed questions were developed based on the outage-related hazards that applicants had proposed for these facilities. Respondents were recruited and paid through a market research firm in the Seattle (Washington) area; we chose to use people from outside of California who would have no personal interest in the rotating power outage exemption process. The interviews, lasting 45 to 60 minutes each, were conducted by a member of Exponent's Health group and a member of Exponent's Human Factors group. The written questions were used as a guide for the interviews, and the interviewers followed up with further probes or requests for clarification.

Given the small number of respondents, this process was not intended to provide a statistically representative sample of work conditions. Rather, the respondents were considered to be consultants who could help us understand the procedures and patient mix in their facilities. Detailed notes were taken during each interview. Review of the notes yielded the following general observations.

Dialysis Clinics

Dialysis clinics tend to have busy schedules, with 20 or more patients receiving treatment from early morning until late at night. Patients are required to undergo treatment about every other day, so the process is time critical to some degree and rescheduling can be difficult because the clinics are often running at full capacity. However, respondents indicated that 10–15 patients miss appointments on any given day. Respondents felt that their clinics were well prepared to handle occasional rotating power outages, even though the dialysis machines did not have back-up power. During very short outages (e.g., 5 to 15 minutes), patients would be kept hooked up to the machines and would hand-crank their blood until power returned; for longer outages, staff

would disconnect the patients. Some high-risk patients would need to be dealt with first in an outage, and for all patients, when the needles are removed before the process is completed, manual pressure must be maintained on the entry site for perhaps 20 minutes or more to prevent bleeding (because anti-coagulant is used to facilitate dialysis). There are also risks associated with terminating the dialysis procedure early if the facility is unable to schedule a patient for sessions to make up the missed treatment. Respondents generally felt that rotating power outage-related risks at their facilities would be lower than at skilled nursing centers or surgical facilities, where patients may be dependent on electrically powered life support equipment or anesthesia equipment.

Skilled Nursing Facilities

Respondents distinguished between skilled-nursing patients who need 24-hour nursing care versus long-term care patients (including those in dementia units) who do not require such critical care; most facilities have a combination of these types of patients, generally in different halls or wards. The rotating power outage-related risks of greatest concern were those involving the critical-care patients, who often rely on equipment such as oxygen concentrators, inflating beds, and nebulizers; these devices need to be plugged quickly into back-up generator outlets (red plugs) in the event of a rotating power outage. Some other devices (e.g., IV and feeding pumps) switch to battery back-up automatically, but nurses need to check the patients who use these devices when a rotating power outage occurs. The number of emergency back-up plugs (i.e., “the red plugs”) can vary substantially from one skilled nursing facility to the next, from two to three plugs per facility to numerous plugs located throughout the facility. Respondents described procedures involving extensive use of power extension cords. Another potential risk that could occur with a loss of power was patients leaving the facility and becoming lost or injured. Electric ankle “bands” can become nonfunctioning, and door alarm systems may not work properly without electricity. Despite these considerations, all of the respondents felt their facilities were likely to be at lower rotating power outage-related risk than dialysis clinics or outpatient surgical clinics, and all said their facilities had some emergency communication capabilities (e.g., cell phones or walkie-talkies), as well as extension cords for red-plug connections and flashlights for the nurses.

Appendix L

**List of Applicants Who Are
Either Water Districts or
Companies or Sewage and
Waste Treatment Facilities**

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 4498461 | A.F.P. Mutual Water Company | SCE | Water | Yes | >4 hours | 100 |
| 2967242 | Action Pumping Inc. | SCE | Sewage/Waste | No | | |
| 2252324 | Airway Mutual Water Co | SCE | Water | No | | |
| 7023028 | Alameda County Flood Control and Water Conservation District - Zone 7 | PG&E | Water | No | | |
| 1084002 | Alameda County Flood Control and Water Conservation District - Zone 7 (Zone 7 Water Agency) | PG&E | Water | No | | |
| 2159747 | Alameda County Flood Control and Water Conservation District - Zone 7 (Zone 7 Water Agency) | PG&E | Water | Yes | >4 hours | 100 |
| 2309588 | Alameda County Flood Control and Water Conservation District - Zone 7 (Zone 7 Water Agency) | PG&E | Water | No | | |
| 2461413 | Alameda County Flood Control and Water Conservation District - Zone 7 (Zone 7 Water Agency) | PG&E | Water | No | | |
| 3663348 | Alameda County Flood Control and Water Conservation District - Zone 7 (Zone 7 Water Agency) | PG&E | Water | Yes | >4 hours | 100 |
| 5785845 | Alameda County Flood Control and Water Conservation District - Zone 7 (Zone 7 Water Agency) | PG&E | Water | Yes | >4 hours | 26–50 |
| 6631945 | Alameda County Flood Control and Water Conservation District - Zone 7 (Zone 7 Water Agency) | PG&E | Water | No | | |
| 8613146 | Alameda County Flood Control and Water Conservation District - Zone 7 (Zone 7 Water Agency) | PG&E | Water | Yes | >4 hours | 51–75 |
| 9790819 | Alameda County Flood Control and Water Conservation District - Zone 7 (Zone 7 Water Agency) | PG&E | Water | No | | |
| 2850970 | Alameda County Water District | PG&E | Water | No | | |
| 7123125 | Alameda County Water District | PG&E | Water | Yes | >4 hours | 76–99 |
| 9111193 | Alameda County Water District | PG&E | Water | Yes | >4 hours | 100 |
| 9763048 | Alameda County Water District | PG&E | Water | No | | |
| 5026415 | Aliso Water Management Agency | SCE | Sewage/Waste | Yes | <2 hours | 1–25 |
| 9850481 | Aliso Water Management Agency | SCE | Sewage/Waste | Yes | <2 hours | 51–75 |
| 671405 | Alpine Water Users Association | SCE | Water | No | | |
| 331897 | Amador Water Agency | PG&E | Water | No | | |
| 365924 | Amador Water Agency | PG&E | Water | No | | |
| 495471 | Amador Water Agency | PG&E | Water | No | | |
| 679426 | Amador Water Agency | PG&E | Water | No | | |
| 1002061 | Amador Water Agency | PG&E | Water | No | | |
| 1003724 | Amador Water Agency | PG&E | Water | No | | |
| 1145343 | Amador Water Agency | PG&E | Water | No | | |
| 1882647 | Amador Water Agency | PG&E | Water | No | | |
| 2254809 | Amador Water Agency | PG&E | Water | No | | |
| 2297229 | Amador Water Agency | PG&E | Water | No | | |
| 2545642 | Amador Water Agency | PG&E | Water | No | | |
| 2648333 | Amador Water Agency | PG&E | Water | No | | |
| 2704137 | Amador Water Agency | PG&E | Water | No | | |
| 2785968 | Amador Water Agency | PG&E | Water | No | | |
| 2831853 | Amador Water Agency | PG&E | Water | No | | |
| 3193377 | Amador Water Agency | PG&E | Water | No | | |
| 3321246 | Amador Water Agency | PG&E | Water | No | | |
| 3607348 | Amador Water Agency | PG&E | Water | No | | |
| 4150408 | Amador Water Agency | PG&E | Water | No | | |
| 4289220 | Amador Water Agency | PG&E | Water | No | | |
| 4337786 | Amador Water Agency | PG&E | Water | No | | |
| 4459551 | Amador Water Agency | PG&E | Water | No | | |
| 4535998 | Amador Water Agency | PG&E | Water | No | | |
| 4897936 | Amador Water Agency | PG&E | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 5206622 | Amador Water Agency | PG&E | Water | No | | |
| 5379351 | Amador Water Agency | PG&E | Water | No | | |
| 6765764 | Amador Water Agency | PG&E | Water | No | | |
| 6997698 | Amador Water Agency | PG&E | Water | No | | |
| 7211583 | Amador Water Agency | PG&E | Water | No | | |
| 7322710 | Amador Water Agency | PG&E | Water | No | | |
| 7393206 | Amador Water Agency | PG&E | Water | No | | |
| 7426775 | Amador Water Agency | PG&E | Water | No | | |
| 7600725 | Amador Water Agency | PG&E | Water | No | | |
| 7776354 | Amador Water Agency | PG&E | Water | No | | |
| 7991350 | Amador Water Agency | PG&E | Water | No | | |
| 8011644 | Amador Water Agency | PG&E | Water | No | | |
| 8241398 | Amador Water Agency | PG&E | Water | No | | |
| 8699620 | Amador Water Agency | PG&E | Water | No | | |
| 9363420 | Amador Water Agency | PG&E | Water | No | | |
| 9455584 | Amador Water Agency | PG&E | Water | No | | |
| 9513109 | Amador Water Agency | PG&E | Water | No | | |
| 9995897 | Amador Water Agency | PG&E | Water | No | | |
| 9711277 | Apple Valley Foothill County Water District | SCE | Water | No | | |
| 1012896 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 1123980 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 1288928 | Apple Valley Ranchos Water Company | SCE | Water | Yes | >4 hours | 100 |
| 1500872 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 1776446 | Apple Valley Ranchos Water Company | SCE | Water | Yes | >4 hours | 100 |
| 2389086 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 2717913 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 3125323 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 3218859 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 3298205 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 3565844 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 3830126 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 4540423 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 4551562 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 4775408 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 5050829 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 5203570 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 5965899 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 6152666 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 6894701 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 7317370 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 7516192 | Apple Valley Ranchos Water Company | SCE | Water | Yes | >4 hours | 100 |
| 7993944 | Apple Valley Ranchos Water Company | SCE | Water | Yes | >4 hours | 100 |
| 8262957 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 8320482 | Apple Valley Ranchos Water Company | SCE | Water | Yes | >4 hours | 100 |
| 8360460 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 8796862 | Apple Valley Ranchos Water Company | SCE | Water | Yes | >4 hours | 100 |
| 9045885 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 9697435 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 9800890 | Apple Valley Ranchos Water Company | SCE | Water | No | | |
| 9906023 | Apple Valley Ranchos Water Company | SCE | Water | Yes | >4 hours | 100 |
| 7383593 | Apple Valley View Mutual Water Co. | SCE | Water | No | | |
| 4540728 | Arakelian Enterprises, Inc., dba Athens Disposal Co. | SCE | Sewage/Waste | No | | |
| 3630084 | Arrowhead Manor Water Co., Inc. | SCE | Water | No | | |
| 4935778 | Arrowhead Villas Mutual Service Company | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 9522722 | Arvin Commuity Services District | PG&E | Water | No | <2 hours | 1-25 |
| 1739672 | Arvin Community Services District | PG&E | Water | No | | |
| 5746477 | Arvin Community Services District | PG&E | Water | No | | |
| 2005023 | Auberge du Soleil | PG&E | Water | Yes | None | 0 |
| 9135302 | Austin Creek Mutual Water Company | PG&E | Water | No | | |
| 1104602 | Baldy Mesa Water DIstrict | SCE | Water | No | | |
| 2322406 | Baldy Mesa Water District | SCE | Water | No | | |
| 4130572 | Baldy Mesa Water District | SCE | Water | No | | |
| 4663714 | Baldy Mesa Water District | SCE | Water | No | | |
| 5429400 | Baldy Mesa Water District | SCE | Water | No | | |
| 7349108 | Baldy Mesa Water District | SCE | Water | No | | |
| 8038195 | Baldy Mesa Water District | SCE | Water | No | | |
| 8189257 | Baldy Mesa Water District | SCE | Water | No | | |
| 8605822 | Baxter Mutual Water Co. | SCE | Water | No | | |
| 4870318 | Bear Valley Community Services District | SCE | Water | Yes | <2 hours | 1-25 |
| 7738817 | Bear Valley Community Services District | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 3050860 | Beaumont/Cherry Valley Water District | SCE | Water | No | | |
| 7451037 | Beaumont/Cherry Valley Water District | SCE | Water | Yes | None | 0 |
| 1982440 | Beaumont/Cherry Valley Water District | SCE | Water | No | | |
| 4072436 | Beaumont/Cherry Valley Water District | SCE | Water | No | | |
| 7639330 | Beaumont/Cherry Valley Water District | SCE | Water | No | | |
| 2245000 | Bedel Mutual Water Company | SCE | Water | No | | |
| 5164507 | Bella Vista Water District | PG&E | Water | No | | |
| 5019701 | Bellflower Home Garden Water Company | SCE | Water | No | | |
| 4969500 | Bellflower Somerset Mutual Water Co. | SCE | Water | No | | |
| 2096881 | Bellflower Somerset Wtr Co | SCE | Water | No | | |
| 1377581 | Benbow Water Company | PG&E | Water | Yes | 2-4 hours | 51-75 |
| 4243487 | Big Lagoon Community Services District | PG&E | Water | No | | |
| 908374 | Black Rascal Water Co. | PG&E | Water | No | | |
| 5796069 | Black Rascal Water Co. | PG&E | Water | No | | |
| 7766741 | Box Springs Mutual Water Company | SCE | Water | No | | |
| 1083087 | Brack Tract Reclamation District #2033 | PG&E | Water | No | | |
| 9991625 | Brack Tract Reclamation District #2033 | PG&E | Water | No | | |
| 3461627 | California American Water Company, Village District | SCE | Water | No | | |
| 4819964 | California American Water Company, Village District | SCE | Water | No | | |
| 5700549 | California American Water Company, Village District | SCE | Water | No | | |
| 7167223 | California American Water Company, Village District | SCE | Water | No | | |
| 2957019 | California Cities Water | PG&E | Water | No | | |
| 3096179 | California Water Service Co. | PG&E | Water | No | | |
| 5210589 | California Water Service Co. | PG&E | Water | No | | |
| 5518816 | California Water Service Co. | PG&E | Water | No | | |
| 6436894 | California Water Service Co. | PG&E | Water | No | | |
| 6869677 | California Water Service Co. | PG&E | Water | No | | |
| 6906145 | California Water Service Co. | PG&E | Water | No | | |
| 7912768 | California Water Service Co. | PG&E | Water | No | | |
| 189074 | California Water Service Co. | PG&E | Water | No | | |
| 594958 | California Water Service Co. | PG&E | Water | No | | |
| 1152166 | California Water Service Co. | PG&E | Water | No | | |
| 1231860 | California Water Service Co. | PG&E | Water | No | | |
| 2684802 | California Water Service Co. | PG&E | Water | No | | |
| 2891253 | California Water Service Co. | SCE | Water | No | | |
| 3763751 | California Water Service Co. | PG&E | Water | No | | |
| 4123858 | California Water Service Co. | PG&E | Water | No | | |
| 4996966 | California Water Service Co. | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 6044133 | California Water Service Co. | PG&E | Water | No | | |
| 6863878 | California Water Service Co. | PG&E | Water | No | | |
| 9252031 | California Water Service Co. | PG&E | Water | No | | |
| 3885211 | California Water Service Company | SCE | Water | Yes | 2-4 hours | 100 |
| 7311724 | California Water Service Company | SCE | Water | No | | |
| 9323900 | California Water Service Company | SCE | Water | No | | |
| 8340014 | California Water Service Company - Dominguez Dist | SCE | Water | Yes | 2-4 hours | 100 |
| 1949786 | California Water Service Company - Dominguez Dist. | SCE | Water | Yes | 2-4 hours | 100 |
| 7239092 | California Water Service Company - Dominguez Dist. | SCE | Water | Yes | 2-4 hours | 100 |
| 4657458 | California Water Svc | PG&E | Water | No | | |
| 5940417 | Camrosa Water District | SCE | Water | No | | |
| 5324419 | Candy Ranch Water Co | PG&E | Water | No | | |
| 1411412 | Canon Manor Water District (part of Penngrove Water Company) | PG&E | Water | No | | |
| 1807269 | Caochella Valley Water District | SCE | Water | No | | |
| 7232073 | Carson Water | SCE | Water | No | | |
| 167865 | Casitas Municipal Water District | SCE | Water | No | | |
| 220202 | Casitas Municipal Water District | SCE | Water | No | | |
| 2902239 | Casitas Municipal Water District | SCE | Water | No | | |
| 4479998 | Casitas Municipal Water District | SCE | Water | No | | |
| 6358202 | Casitas Municipal Water District | SCE | Water | No | | |
| 7739733 | Casitas Municipal Water District | SCE | Water | No | | |
| 9390734 | Casitas Municipal Water District | SCE | Water | No | | |
| 9655168 | Casitas Municipal Water District | SCE | Water | No | | |
| 8581713 | Castle Rock Mutual Water Company | PG&E | Water | No | | |
| 5423602 | CDM WATER CO | PG&E | Water | No | | |
| 8759107 | Center Water Company | SCE | Water | No | | |
| 9405382 | Center Water Company | SCE | Water | No | | |
| 3038958 | Central Contra Costa Sanitary District | PG&E | Sewage/Waste | Yes | 2-4 hours | 100 |
| 4972857 | Central Contra Costa Sanitary District | PG&E | Sewage/Waste | Yes | 2-4 hours | 100 |
| 4218615 | Central Valley Water Company | PG&E | Water | No | | |
| 2693652 | Central Water District | PG&E | Water | No | | |
| 3468755 | Central Water District | PG&E | Water | No | | |
| 1652697 | Chem Quip Inc. | PG&E | Water | No | | |
| 9923265 | China Lake Acres Mutual Water Company | SCE | Water | No | | |
| 9231585 | Citizens Utilities Company of CA | PG&E | Water | Yes | None | 1-25 |
| 5900243 | City & County of San Francisco | PG&E | Water | No | | |
| 7617205 | City & County of San Francisco | PG&E | Sewage/Waste | Yes | None | 0 |
| 8956011 | City & County of San Francisco | PG&E | Water | No | | |
| 216235 | City & County of San Francisco PUC Water | PG&E | Water | No | | |
| 990466 | City and County of San Francisco | PG&E | Water | No | | |
| 1073321 | City and County of San Francisco | PG&E | Water | No | None | 0 |
| 1585363 | City and County of San Francisco | PG&E | Water | No | | |
| 2053088 | City and County of San Francisco | PG&E | Water | No | <2 hours | 0 |
| 3878649 | City and County of San Francisco | PG&E | Water | Yes | None | 0 |
| 5255297 | City and County of San Francisco | PG&E | Water | No | <2 hours | 0 |
| 5482653 | City and County of San Francisco | PG&E | Water | No | | |
| 7327288 | City and County of San Francisco | PG&E | Water | No | <2 hours | 0 |
| 8653124 | City and County of San Francisco | PG&E | Water | Yes | >4 hours | 26-50 |
| 3750475 | City of Arcata - Alliance Pump Station | PG&E | Water | Yes | <2 hours | 100 |
| 9304674 | City of Arcata - Herndon Groundwater Well | PG&E | Water | Yes | <2 hours | 100 |
| 5992449 | City of Arcata - Samoa Lift Station | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 7266710 | City of Arcata - Wastewater Treatment Plant | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 479297 | City of Avenal | PG&E | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 3898181 | City of Avenal | PG&E | Water | No | | |
| 5032824 | City of Avenal | PG&E | Water | No | | |
| 5440081 | City of Avenal | PG&E | Water | No | | |
| 1084308 | City of Bakersfield | PG&E | Water | No | | |
| 1850756 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 1984729 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 2682055 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 3783129 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 4019335 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 5451220 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 5519971 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 6119250 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 7151354 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 8511217 | City of Bakersfield - Domestic Water | PG&E | Water | No | | |
| 7751787 | City of Brentwood | PG&E | Water | Yes | >4 hours | 76-99 |
| 2789782 | City of Brisbane | PG&E | Sewage/Waste | Yes | 2-4 hours | 100 |
| 4415911 | City of Brisbane | PG&E | Sewage/Waste | Yes | 2-4 hours | 100 |
| 5874499 | City of Brisbane | PG&E | Water | Yes | 2-4 hours | 100 |
| 8213671 | City of Brisbane | PG&E | Sewage/Waste | Yes | 2-4 hours | 100 |
| 8576220 | City of Brisbane | PG&E | Water | Yes | 2-4 hours | 100 |
| 3194903 | City of Calistoga | PG&E | Water | No | | |
| 5483721 | City of Calistoga | PG&E | Water | Yes | >4 hours | 100 |
| 5644396 | City of Calistoga | PG&E | Water | Yes | >4 hours | 100 |
| 9889347 | City of Calistoga | PG&E | Sewage/Waste | No | | |
| 8261998 | City of Cerritos | SCE | Water | No | | |
| 237140 | City of Chino | SCE | Water | No | | |
| 486773 | City of Chino | SCE | Water | No | | |
| 1178302 | City of Chino | SCE | Water | No | | |
| 2403125 | City of Chino | SCE | Water | No | | |
| 3215808 | City of Chino | SCE | Water | No | | |
| 3665441 | City of Chino | SCE | Water | No | | |
| 7730272 | City of Chino | SCE | Water | No | | |
| 2948168 | City of Cloverdale | PG&E | Water | Yes | >4 hours | 26-50 |
| 4142931 | City of Cloverdale | PG&E | Water | Yes | >4 hours | 100 |
| 7130297 | City of Cloverdale | PG&E | Water | Yes | >4 hours | 26-50 |
| 9568193 | City of Cloverdale | PG&E | Water | No | | |
| 5003832 | City of Coalinga - Water Treatment Plant | PG&E | Water | No | | |
| 607776 | City of Covina | SCE | Water | No | | |
| 1002946 | City of Covina | SCE | Water | No | | |
| 3387622 | City of Covina | SCE | Water | No | | |
| 3387927 | City of Covina | SCE | Water | No | | |
| 3638323 | City of Covina | SCE | Water | No | | |
| 5150622 | City of Covina | SCE | Water | No | | |
| 6883562 | City of Daly City | PG&E | Water | No | | |
| 4713152 | City of Dinuba | PG&E | Sewage/Waste | Yes | 2-4 hours | 100 |
| 8714726 | City of Dinuba | PG&E | Water | No | | |
| 9949053 | City of Dinuba | PG&E | Water | No | | |
| 3221301 | City of Downey | SCE | Water | No | | |
| 4368914 | City of Downey | SCE | Water | No | | |
| 5684069 | City of Downey | SCE | Water | No | | |
| 7309893 | City of Downey | SCE | Water | No | | |
| 7726916 | City of Downey | SCE | Water | No | | |
| 1405156 | City of Fortuna | PG&E | Water | No | | |
| 7202166 | City of Fortuna | PG&E | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 7601183 | City of Fortuna | PG&E | Sewage/Waste | No | | |
| 332812 | City of Fresno, Dept. of Public Utilities, Water Division | PG&E | Water | Yes | None | 0 |
| 6748522 | City of Glendora | SCE | Water | No | | |
| 6729449 | City of Glendora Water Division | SCE | Water | No | 2-4 hours | 51-75 |
| 7095507 | City of Glendora Water Division | SCE | Water | Yes | >4 hours | 51-75 |
| 9716051 | City of Hayward | PG&E | Water | No | | |
| 8376177 | City of Livermore Water Resources Division | PG&E | Sewage/Waste | Yes | None | 0 |
| 2152728 | City of Livingston | PG&E | Water | No | | |
| 6384600 | City of Livingston | PG&E | Water | No | | |
| 6281756 | City of Los Altos | PG&E | Water | Yes | >4 hours | 100 |
| 4741839 | City of Oceanside Water Utilities | SDG&E | Water | No | | |
| 9900835 | City of Oceanside Water Utilities | SDG&E | Water | No | | |
| 3698290 | City of Ojai | SCE | Sewage/Waste | No | | |
| 5288714 | City of Pittsburg | PG&E | Water | Yes | >4 hours | 51-75 |
| 4993914 | City of Pomona | SCE | Water | No | | |
| 5500964 | City of Pomona | SCE | Water | No | | |
| 9165972 | City of Pomona | SCE | Water | No | | |
| 9360521 | City of Pomona | SCE | Water | No | | |
| 597400 | City of Poway-Public Works, Water Utilities | SDG&E | Sewage/Waste | No | | |
| 2085284 | City of Poway-Public Works, Water Utilities | SDG&E | Water | No | | |
| 2746142 | City of Poway-Public Works, Water Utilities | SDG&E | Water | No | | |
| 4070605 | City of Poway-Public Works, Water Utilities | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 4485339 | City of Poway-Public Works, Water Utilities | SDG&E | Water | No | | |
| 6804369 | City of Poway-Public Works, Water Utilities | SDG&E | Sewage/Waste | No | | |
| 7990282 | City of Poway-Public Works, Water Utilities | SDG&E | Water | No | | |
| 9681871 | City of Poway-Public Works, Water Utilities | SDG&E | Water | No | | |
| 3733233 | City of Poway-Public Works, Water Utilities Division | SDG&E | Water | No | | |
| 4561480 | City of Poway-Public Works, Water Utilities Division | SDG&E | Water | No | | |
| 4714373 | City of Poway-Public Works, Water Utilities Division | SDG&E | Water | Yes | >4 hours | 100 |
| 5217303 | City of Poway-Public Works, Water Utilities Division | SDG&E | Water | No | | |
| 9769304 | City of Poway-Public Works, Water Utilities Division | SDG&E | Water | No | | |
| 8568438 | City of Rialto | SCE | Sewage/Waste | Yes | 2-4 hours | 26-50 |
| 3629168 | City of Richmond Waste Treatment Plant | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 1647052 | City of San Diego | SDG&E | Sewage/Waste | No | | |
| 2647265 | City of San Diego | SDG&E | Sewage/Waste | No | | |
| 3286151 | City of San Diego | SDG&E | Sewage/Waste | Yes | >4 hours | 26-50 |
| 7787755 | City of San Diego | SDG&E | Sewage/Waste | No | | |
| 7002581 | City of San Diego Metropolitan Wastewater Department | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 5806292 | City of San Diego, Metropolitan Wastewater Department | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 5267046 | City of San Diego/Metropolitan Wastewater Department/ Point Loma Wastewater Treatment Plant | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 3911151 | City of San Juan Bautista | PG&E | Water | No | | |
| 358752 | City of San Juan Capistrano | SDG&E | Water | Yes | >4 hours | 100 |
| 655492 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 1192798 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 1524829 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 3717669 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 4004687 | City of San Juan Capistrano | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 5566729 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 5584582 | City of San Juan Capistrano | SDG&E | Sewage/Waste | No | | |
| 5731829 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 6218279 | City of San Juan Capistrano | SDG&E | Water | Yes | >4 hours | 100 |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 6869829 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 7832354 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 9705522 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 5948809 | City of San Juan Capistrano | SDG&E | Water | No | | |
| 3148211 | City of Santa Cruz | PG&E | Water | Yes | None | 1–25 |
| 444049 | City of Stockton | PG&E | Sewage/Waste | No | | |
| 1331805 | City of Stockton | PG&E | Sewage/Waste | No | | |
| 3262347 | City of Stockton | PG&E | Sewage/Waste | No | | |
| 3645495 | City of Stockton | PG&E | Sewage/Waste | No | | |
| 4309863 | City of Stockton | PG&E | Sewage/Waste | No | | |
| 9599932 | City of Stockton | PG&E | Sewage/Waste | No | | |
| 9671801 | City of Stockton | PG&E | Sewage/Waste | No | | |
| 3010882 | City of Stockton - Municipal Utilities Department | PG&E | Water | No | | |
| 3212908 | City of Stockton - Municipal Utilities Department | PG&E | Water | No | | |
| 9748400 | City of Stockton - Municipal Utilities Department | PG&E | Water | No | | |
| 1369189 | City of Tehama | PG&E | Water | Yes | None | 26–50 |
| 1526507 | City of Tustin | SCE | Water | No | | |
| 3529986 | City of Tustin | SCE | Water | No | | |
| 8748143 | City of Tustin | SCE | Water | No | | |
| 7012499 | City of Vacaville | Other | Water | No | | |
| 131244 | City of Vacaville | PG&E | Water | Yes | None | 0 |
| 381488 | City of Vacaville | PG&E | Sewage/Waste | No | | |
| 528888 | City of Vacaville | Other | Sewage/Waste | Yes | >4 hours | 100 |
| 817126 | City of Vacaville | Other | Sewage/Waste | No | | |
| 1004442 | City of Vacaville | Other | Water | No | | |
| 1438006 | City of Vacaville | Other | Water | No | | |
| 1725634 | City of Vacaville | Other | Sewage/Waste | No | | |
| 2059649 | City of Vacaville | Other | Water | No | | |
| 2688769 | City of Vacaville | Other | Water | Yes | >4 hours | 100 |
| 3011798 | City of Vacaville | PG&E | Water | No | | |
| 3082751 | City of Vacaville | PG&E | Water | No | | |
| 3234380 | City of Vacaville | PG&E | Sewage/Waste | No | | |
| 3290270 | City of Vacaville | Other | Water | No | | |
| 3552264 | City of Vacaville | Other | Water | No | | |
| 3628863 | City of Vacaville | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 3825047 | City of Vacaville | PG&E | Water | No | | |
| 5234393 | City of Vacaville | PG&E | Sewage/Waste | No | | |
| 5425433 | City of Vacaville | Other | Sewage/Waste | No | | |
| 5542271 | City of Vacaville | Other | Water | No | | |
| 6454943 | City of Vacaville | PG&E | Sewage/Waste | No | | |
| 6686571 | City of Vacaville | PG&E | Sewage/Waste | No | | |
| 6786626 | City of Vacaville | Other | Water | Yes | >4 hours | 100 |
| 8231066 | City of Vacaville | PG&E | Sewage/Waste | No | | |
| 8523882 | City of Vacaville | PG&E | Sewage/Waste | No | | |
| 9566668 | City of Vacaville | PG&E | Sewage/Waste | Yes | 2–4 hours | 76–99 |
| 3417071 | City of Ventura | SCE | Sewage/Waste | Yes | 2–4 hours | 100 |
| 162219 | City of Woodland | PG&E | Water | No | | |
| 216388 | City of Woodland | PG&E | Water | No | | |
| 335406 | City of Woodland | PG&E | Water | Yes | 2–4 hours | 100 |
| 1865405 | City of Woodland | PG&E | Water | No | | |
| 2334765 | City of Woodland | PG&E | Water | Yes | 2–4 hours | 100 |
| 2713488 | City of Woodland | PG&E | Water | No | | |
| 3430194 | City of Woodland | PG&E | Water | Yes | 2–4 hours | 100 |
| 3839434 | City of Woodland | PG&E | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---------------------------------|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 4596880 | City of Woodland | PG&E | Water | No | | |
| 6010149 | City of Woodland | PG&E | Water | No | | |
| 6254290 | City of Woodland | PG&E | Water | Yes | 2-4 hours | 100 |
| 7146428 | City of Woodland | PG&E | Water | No | | |
| 7353228 | City of Woodland | PG&E | Water | Yes | 2-4 hours | 100 |
| 7518328 | City of Woodland | PG&E | Water | Yes | 2-4 hours | 100 |
| 7916277 | City of Woodland | PG&E | Water | Yes | 2-4 hours | 100 |
| 9546526 | City of Woodland | PG&E | Water | No | | |
| 9773272 | City of Woodland | PG&E | Water | Yes | 2-4 hours | 100 |
| 9997576 | City of Woodland | PG&E | Water | No | | |
| 520038 | City of Yuba City | PG&E | Water | No | | |
| 559100 | City of Yuba City | PG&E | Water | No | | |
| 851458 | City of Yuba City | PG&E | Water | No | | |
| 1003969 | City of Yuba City | PG&E | Water | No | | |
| 1068438 | City of Yuba City | PG&E | Water | No | | |
| 3303851 | City of Yuba City | PG&E | Water | No | | |
| 4731158 | City of Yuba City | PG&E | Water | No | | |
| 7957127 | City of Yuba City | PG&E | Water | No | | |
| 1085833 | Clinical Lab of S.B. | SCE | Water | No | | |
| 112323 | Coachella Valley Water District | SCE | Water | No | | |
| 377978 | Coachella Valley Water District | SCE | Water | No | | |
| 386065 | Coachella Valley Water District | SCE | Water | No | | |
| 433215 | Coachella Valley Water District | SCE | Water | No | | |
| 475591 | Coachella Valley Water District | SCE | Water | No | | |
| 490741 | Coachella Valley Water District | SCE | Water | No | | |
| 496997 | Coachella Valley Water District | SCE | Water | No | | |
| 586261 | Coachella Valley Water District | SCE | Sewage/Waste | Yes | 2-4 hours | 100 |
| 707110 | Coachella Valley Water District | SCE | Water | No | | |
| 869420 | Coachella Valley Water District | SCE | Water | No | | |
| 882739 | Coachella Valley Water District | SCE | Water | No | | |
| 912341 | Coachella Valley Water District | SCE | Water | No | | |
| 970739 | Coachella Valley Water District | SCE | Water | No | | |
| 1007280 | Coachella Valley Water District | SCE | Water | No | | |
| 1031360 | Coachella Valley Water District | SCE | Water | No | | |
| 1037310 | Coachella Valley Water District | SCE | Water | No | | |
| 1091479 | Coachella Valley Water District | SCE | Sewage/Waste | No | | |
| 1223010 | Coachella Valley Water District | SCE | Water | No | | |
| 1441363 | Coachella Valley Water District | SCE | Water | No | | |
| 1487401 | Coachella Valley Water District | SCE | Water | No | | |
| 1527270 | Coachella Valley Water District | SCE | Water | No | | |
| 1543096 | Coachella Valley Water District | SCE | Sewage/Waste | No | | |
| 1564611 | Coachella Valley Water District | SCE | Water | No | | |
| 1642321 | Coachella Valley Water District | SCE | Water | No | | |
| 1648992 | Coachella Valley Water District | SCE | Water | No | | |
| 1988696 | Coachella Valley Water District | SCE | Water | No | | |
| 2081622 | Coachella Valley Water District | SCE | Water | No | | |
| 2421130 | Coachella Valley Water District | SCE | Sewage/Waste | Yes | 2-4 hours | 100 |
| 2514819 | Coachella Valley Water District | SCE | Water | No | | |
| 2669390 | Coachella Valley Water District | SCE | Water | No | | |
| 2735766 | Coachella Valley Water District | SCE | Water | No | | |
| 2846850 | Coachella Valley Water District | SCE | Water | No | | |
| 2880725 | Coachella Valley Water District | SCE | Water | No | | |
| 2959155 | Coachella Valley Water District | SCE | Water | No | | |
| 3118456 | Coachella Valley Water District | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---------------------------------|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 3214282 | Coachella Valley Water District | SCE | Water | No | | |
| 3314379 | Coachella Valley Water District | SCE | Water | No | | |
| 3322619 | Coachella Valley Water District | SCE | Water | No | | |
| 3330663 | Coachella Valley Water District | SCE | Water | No | | |
| 3345202 | Coachella Valley Water District | SCE | Sewage/Waste | Yes | 2-4 hours | 100 |
| 3397692 | Coachella Valley Water District | SCE | Water | No | | |
| 3439654 | Coachella Valley Water District | SCE | Water | No | | |
| 3597125 | Coachella Valley Water District | SCE | Water | No | | |
| 3602313 | Coachella Valley Water District | SCE | Water | No | | |
| 3657855 | Coachella Valley Water District | SCE | Water | Yes | 2-4 hours | 100 |
| 3826573 | Coachella Valley Water District | SCE | Sewage/Waste | Yes | 2-4 hours | 100 |
| 4000720 | Coachella Valley Water District | SCE | Water | No | | |
| 4021777 | Coachella Valley Water District | SCE | Water | No | | |
| 4057177 | Coachella Valley Water District | SCE | Water | No | | |
| 4217394 | Coachella Valley Water District | SCE | Water | No | | |
| 4232043 | Coachella Valley Water District | SCE | Water | No | | |
| 4236577 | Coachella Valley Water District | SCE | Water | No | | |
| 4281176 | Coachella Valley Water District | SCE | Water | No | | |
| 4325274 | Coachella Valley Water District | SCE | Water | No | | |
| 4345416 | Coachella Valley Water District | SCE | Water | No | | |
| 4644793 | Coachella Valley Water District | SCE | Water | No | | |
| 4729479 | Coachella Valley Water District | SCE | Water | No | | |
| 4877642 | Coachella Valley Water District | SCE | Water | No | | |
| 5201434 | Coachella Valley Water District | SCE | Water | No | | |
| 5259831 | Coachella Valley Water District | SCE | Sewage/Waste | Yes | 2-4 hours | 100 |
| 5321520 | Coachella Valley Water District | SCE | Water | No | | |
| 5371526 | Coachella Valley Water District | SCE | Water | No | | |
| 5428136 | Coachella Valley Water District | SCE | Water | No | | |
| 5474871 | Coachella Valley Water District | SCE | Water | No | | |
| 5523198 | Coachella Valley Water District | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 5548070 | Coachella Valley Water District | SCE | Water | No | | |
| 5730456 | Coachella Valley Water District | SCE | Water | No | | |
| 5930041 | Coachella Valley Water District | SCE | Water | Yes | 2-4 hours | 100 |
| 5953692 | Coachella Valley Water District | SCE | Water | No | | |
| 5993059 | Coachella Valley Water District | SCE | Water | No | | |
| 6188677 | Coachella Valley Water District | SCE | Water | No | | |
| 6365984 | Coachella Valley Water District | SCE | Water | Yes | 2-4 hours | 100 |
| 6373614 | Coachella Valley Water District | SCE | Water | No | | |
| 6376055 | Coachella Valley Water District | SCE | Water | No | | |
| 6613133 | Coachella Valley Water District | SCE | Water | No | | |
| 6695879 | Coachella Valley Water District | SCE | Water | Yes | 2-4 hours | 100 |
| 7037633 | Coachella Valley Water District | SCE | Water | No | | |
| 7044848 | Coachella Valley Water District | SCE | Water | No | | |
| 7139256 | Coachella Valley Water District | SCE | Water | No | | |
| 7511156 | Coachella Valley Water District | SCE | Water | No | | |
| 7554796 | Coachella Valley Water District | SCE | Water | No | | |
| 7661608 | Coachella Valley Water District | SCE | Water | No | | |
| 7716692 | Coachella Valley Water District | SCE | Water | No | | |
| 7802904 | Coachella Valley Water District | SCE | Water | No | | 0 |
| 7804735 | Coachella Valley Water District | SCE | Water | No | | |
| 7909105 | Coachella Valley Water District | SCE | Water | No | | |
| 7910326 | Coachella Valley Water District | SCE | Water | No | | |
| 7944658 | Coachella Valley Water District | SCE | Water | Yes | 2-4 hours | 100 |
| 8068974 | Coachella Valley Water District | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 8085344 | Coachella Valley Water District | SCE | Water | No | | |
| 8134325 | Coachella Valley Water District | SCE | Water | No | | |
| 8483294 | Coachella Valley Water District | SCE | Water | No | | |
| 8498400 | Coachella Valley Water District | SCE | Water | No | | |
| 8553179 | Coachella Valley Water District | SCE | Water | No | | |
| 8763096 | Coachella Valley Water District | SCE | Water | No | | |
| 8800524 | Coachella Valley Water District | SCE | Water | No | | |
| 8880894 | Coachella Valley Water District | SCE | Water | No | | |
| 8880938 | Coachella Valley Water District | SCE | Water | No | | |
| 9168261 | Coachella Valley Water District | SCE | Water | No | | |
| 9285295 | Coachella Valley Water District | SCE | Water | No | | |
| 9413469 | Coachella Valley Water District | SCE | Water | No | | |
| 1946429 | Coachella Valley Water District | SCE | Water | No | | |
| 4162005 | Coachella Valley Water District | SCE | Water | No | | |
| 5990160 | Coachella Valley Water District | SCE | Water | No | | |
| 443438 | Coastside County Water District | PG&E | Water | No | | |
| 6379717 | Coastside County Water District | PG&E | Water | No | | |
| 7412279 | Coastside County Water District | PG&E | Water | No | | |
| 8998888 | Colusa County Water District | Other | Water | No | | |
| 3685320 | Contra Costa Water District | PG&E | Water | Yes | <2 hours | 26-50 |
| 3619860 | County of San Bernardino | SCE | Water | No | | |
| 4316119 | County of San Bernardino | SCE | Water | Yes | 2-4 hours | 100 |
| 5303667 | County of San Bernardino | SCE | Water | No | | |
| 9523638 | County of San Bernardino | SCE | Water | No | | |
| 6956652 | County of San Bernardino CSA 42 | SCE | Water | No | | |
| 3455371 | County of San Bernardino CSA 70 C | SCE | Water | No | | |
| 6412524 | County of San Bernardino CSA 70 F | SCE | Water | No | | |
| 2166919 | County of San Bernardino CSA 70 G | SCE | Water | No | | |
| 2461566 | County of San Bernardino CSA 70 G | SCE | Water | No | | |
| 8467577 | County of San Bernardino CSA 70 G | SCE | Water | No | | |
| 7507189 | County of San Bernardino CSA 70 J | SCE | Water | No | | |
| 8453234 | County of San Bernardino CSA 70 J | SCE | Water | No | | |
| 7740038 | County of San Bernardino CSA 70 L | SCE | Water | No | | |
| 8798235 | County of San Bernardino CSA 70 L | SCE | Water | No | | |
| 2033099 | County of San Bernardino CSA 70 W-1 | SCE | Water | No | | |
| 3008135 | County of San Bernardino CSA 70 W-1 | SCE | Water | No | | |
| 5985888 | County of San Bernardino CSA 70 W-3 | SCE | Water | No | | |
| 758794 | County of San Bernardino CSA 70 W-4 | SCE | Water | No | | |
| 2490100 | County of San Bernardino CSA 70 W-4 | SCE | Water | No | | |
| 5992602 | County of San Bernardino CSA 70 W-4 | SCE | Water | No | | |
| 7686785 | County of San Bernardino CSA 70 W-4 | SCE | Water | No | | |
| 4288805 | County of San Bernardino CSA70 L | SCE | Water | No | | |
| 421618 | County of San Bernardino CSA70L | SCE | Water | No | | |
| 4906329 | County of San Bernardino CSA70L | SCE | Water | No | | |
| 5372027 | County of San Bernardino CSA70L | SCE | Water | No | | |
| 2453326 | County of San Bernardino, County Service Area 64 | SCE | Water | Yes | 2-4 hours | 100 |
| 4684161 | County of San Bernardino, County Service Area 64 | SCE | Water | No | | |
| 5087756 | County of San Bernardino, County Service Area 64 | SCE | Water | No | | |
| 7125414 | County of San Bernardino, County Service Area 64 | SCE | Water | No | | |
| 7198504 | County of San Bernardino, County Service Area 64 | SCE | Water | No | | |
| 9549272 | County of San Bernardino, County Service Area 64 | SCE | Water | No | | |
| 8313463 | County of San Bernardino, County Service Area 70C | SCE | Water | No | | |
| 737584 | County of San Bernardino, County Service Area 70C | SCE | Water | No | | |
| 3644427 | County of San Bernardino, County Service Area 70C | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 9461992 | County of San Bernardino, County Service Area 70C | SCE | Water | No | | |
| 9822100 | County of San Bernardino, County Service Area 70C | SCE | Water | No | | |
| 2528356 | County of San Bernardino, County Service Area 70J | SCE | Water | No | | |
| 2898272 | County of San Bernardino, County Service Area 70J | SCE | Water | No | | |
| 4303301 | County of San Bernardino, County Service Area 70J | SCE | Water | No | | |
| 4641283 | County of San Bernardino, County Service Area 70J | SCE | Water | No | | |
| 5009173 | County of San Bernardino, County Service Area 70J | SCE | Water | No | | |
| 6084460 | County of San Bernardino, County Service Area 70J | SCE | Water | No | | |
| 8525560 | County of San Bernardino, County Service Area 70J | SCE | Water | No | | |
| 9738743 | County of San Bernardino, County Service Area 70J | SCE | Water | No | | |
| 119494 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 1099719 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 1664904 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 1731280 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 1832141 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 2240008 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 3029956 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 3794421 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 3851794 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 4086779 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 4151019 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 4259814 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 5387591 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 5551318 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 5964177 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 6210039 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 7508867 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 7681902 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 8730028 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 9054277 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 9734667 | County of San Bernardino, County Service Area 70L | SCE | Water | No | | |
| 1315631 | County of San Bernardino, CSA 70 L | SCE | Water | No | | |
| 2505969 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 2800006 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 3552874 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 3856066 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 5513934 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 5683263 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 6578844 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 7203953 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 7566546 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 8385899 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 8592547 | County of San Luis Obispo, Public Works Department | PG&E | Sewage/Waste | No | | |
| 861529 | County of Sonoma - Refuse Disposal | PG&E | Sewage/Waste | Yes | <2 hours | 100 |
| 627459 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 1007387 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 2203845 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 2361926 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | None | 0 |
| 2703570 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 2764605 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 3530596 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 3695239 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 4271410 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 4296435 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 4459094 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 4473132 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | >4 hours | 100 |
| 4561327 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 4843920 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 5058764 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 5387133 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 5780047 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 5976122 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 5983904 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 6002062 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | None | 0 |
| 6023119 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | >4 hours | 100 |
| 6164110 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 6262072 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 6500262 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 6711291 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 6774157 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 6856402 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 6866015 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | None | 0 |
| 7080510 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 7579363 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 7751940 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 7841051 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 8001574 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 8415545 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 8598803 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 8628099 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 8652666 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | None | 0 |
| 8658464 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 8668078 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 9386156 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 9711016 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 9812334 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 9839495 | County Sanitation Districts of Los Angeles County | SCE | Sewage/Waste | No | | |
| 2530993 | Covina Irrigating Company | SCE | Water | No | | |
| 5561388 | Covina Irrigating Company | SCE | Water | No | | |
| 9090441 | Covina Irrigating Company | SCE | Water | No | | |
| 6607836 | CR&R, Inc. | SCE | Sewage/Waste | No | | |
| 228747 | Crescenta Valley Water District | SCE | Water | No | | |
| 1336688 | Crescenta Valley Water District | SCE | Water | No | | |
| 2305926 | Crescenta Valley Water District | SCE | Water | No | | |
| 3539708 | Crescenta Valley Water District | SCE | Water | Yes | <2 hours | 26–50 |
| 4438342 | Crescenta Valley Water District | SCE | Water | No | | |
| 5403765 | Crescenta Valley Water District | SCE | Water | No | | |
| 5624102 | Crescenta Valley Water District | SCE | Water | No | | |
| 5839251 | Crescenta Valley Water District | SCE | Water | No | | |
| 6579455 | Crescenta Valley Water District | SCE | Water | No | | |
| 7338274 | Crescenta Valley Water District | SCE | Water | No | | |
| 7719286 | Crescenta Valley Water District | SCE | Water | No | | |
| 7925280 | Crescenta Valley Water District | SCE | Water | No | | |
| 8389910 | Crescenta Valley Water District | SCE | Water | No | | |
| 8479937 | Crescenta Valley Water District | SCE | Water | No | | |
| 9337786 | Crescenta Valley Water District | SCE | Water | No | | |
| 1908435 | Crestline Lake Arrowhead Water Agency | SCE | Water | Yes | None | 1–25 |
| 2747363 | Crestline Lake Arrowhead Water Agency | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--------------------------------------|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 1505145 | Crestview Mutual Water Company | SCE | Water | No | | |
| 262164 | Crockett-Valona Sanitary District | PG&E | Sewage/Waste | No | | |
| 4626330 | Crockett-Valona Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 8894823 | Crockett-Valona Sanitary District | PG&E | Sewage/Waste | No | | |
| 6779497 | Crosby & Overton, Inc. | SCE | Sewage/Waste | No | | |
| 9841021 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 307635 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 1099871 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 1540240 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 1789416 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 2014178 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 2220629 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 2702807 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 2847003 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 2859210 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 3024310 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 3046282 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 3077105 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 3203448 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 4307574 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 4756182 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 4785326 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 4894427 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 5074633 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 5633410 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 5637835 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 5967730 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 7015093 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 7361773 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 7935656 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 7937639 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 7958086 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 8439806 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 8541277 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 8892229 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 9017504 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 9060381 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 9083269 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 9184282 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 9521502 | Cucamonga County Water District | SCE | Water | Yes | <2 hours | 1-25 |
| 9592913 | Cucamonga County Water District | SCE | Water | Yes | None | 1-25 |
| 698108 | Delano-Earlimart Irrigation District | SCE | Water | No | | |
| 3478106 | DeMenno/Kerdoon | SCE | Sewage/Waste | Yes | >4 hours | 51-75 |
| 5645007 | Descanso Community Water District | SDG&E | Water | No | | |
| 715350 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 745715 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 4427770 | Dublin San Ramon Services District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 4895800 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 5671557 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 6189898 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 6347172 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 6567095 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 7915209 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 8144243 | Dublin San Ramon Services District | PG&E | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 8776110 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 8919848 | Dublin San Ramon Services District | PG&E | Water | No | | |
| 6906450 | East Bay Municipal Utility District | PG&E | Water | Yes | None | 0 |
| 8624743 | East Bay Municipal Utility District Wastewater Department | PG&E | Sewage/Waste | No | | |
| 3595751 | East Pasadena Water Company | SCE | Water | No | | |
| 5047778 | East Pasadena Water Company | SCE | Water | No | | |
| 5786913 | East Pasadena Water Company | SCE | Water | No | | |
| 9728215 | East Pasadena Water Company | SCE | Water | No | | |
| 400714 | East Valley Water District | SCE | Water | No | | |
| 596331 | East Valley Water District | SCE | Water | No | | |
| 1362323 | East Valley Water District | SCE | Water | No | | |
| 3781756 | East Valley Water District | SCE | Water | No | | |
| 9835026 | Eastside Water Association, Inc. | SCE | Water | No | | |
| 2518939 | ECO Resources Inc. | SCE | Sewage/Waste | Yes | <2 hours | 1–25 |
| 4226244 | El Capitan Mutual Water Company | SCE | Water | No | | |
| 6009801 | El Capitan Mutual Water Company | SCE | Water | No | | |
| 8070849 | El Dorado Irrigation District | PG&E | Water | Yes | 2–4 hours | 26–50 |
| 8224047 | El Dorado Mutual Water Company | SCE | Water | No | | 0 |
| 349139 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 632037 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 748614 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 1085376 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 1429309 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 2146167 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 2549108 | Elsinore Valley Municipal Water District | SCE | Water | Yes | >4 hours | 51–75 |
| 4785937 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 6904467 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 7403124 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 7504748 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 8029345 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 9712999 | Elsinore Valley Municipal Water District | SCE | Water | No | | |
| 4869250 | Emerald Bay Service District | SCE | Sewage/Waste | Yes | >4 hours | 76–99 |
| 955371 | Encina Water Pollution Control Facility | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 1853961 | Encina Water Pollution Control Facility | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 8376635 | Encina Water Pollution Control Facility | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 9000109 | Encina Water Pollution Control Facility | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 9457872 | Encina Water Pollution Control Facility | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 2924670 | Environmental Eng. Lab. | SDG&E | Water | Yes | <2 hours | 76–99 |
| 7582110 | Fiddletown Community Services District | PG&E | Water | No | | |
| 740680 | Fieldbrook Community Services District | PG&E | Water | No | | |
| 2616704 | Fieldbrook Community Services District | PG&E | Water | No | | |
| 3768176 | Fieldbrook Community Services District | PG&E | Water | No | | |
| 7194994 | Fieldbrook Community Services District | PG&E | Water | No | | |
| 9551866 | Fieldbrook Community Services District | PG&E | Water | No | | |
| 4052294 | Foothill Municipal Water District | SCE | Water | Yes | <2 hours | 26–50 |
| 3717211 | Foothills Mobile Home Park | PG&E | Water | No | | |
| 8275927 | Frazier Park Public Utility District | SCE | Water | Yes | >4 hours | 51–75 |
| 1561450 | Fresno Metropolitan Flood Control District | PG&E | Water | No | | |
| 246905 | Fresno Metropolitan Flood Control District | PG&E | Water | No | | |
| 2053851 | Fresno Metropolitan Flood Control District | PG&E | Water | No | | |
| 3653887 | Fresno Metropolitan Flood Control District | PG&E | Water | No | | |
| 6892718 | Fresno Metropolitan Flood Control District | PG&E | Water | No | | |
| 6985644 | Fresno Metropolitan Flood Control District | PG&E | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 2880267 | Garden Farms Community Water District | PG&E | Water | No | | |
| 147723 | Glen Martin Mutual Water Company Inc. | SCE | Water | No | | |
| 9910753 | Glenn-Colusa Irrigation District | PG&E | Water | No | | |
| 6155718 | Goldside Homeowners Association | PG&E | Sewage/Waste | No | | |
| 1310138 | Greenbelt Water Copmpany, Inc. | PG&E | Water | No | | |
| 2126940 | Happy Acres Mutual Benefit Water System | PG&E | Water | No | | |
| 2183245 | Havasu Water Company | SCE | Water | Yes | None | 0 |
| 9330004 | Helix Water District | SDG&E | Water | No | | |
| 6555346 | Henrici Water Laboratory | PG&E | Water | No | | |
| 8858311 | Henry Miller Reclamation District #2131 | PG&E | Water | No | | |
| 8876207 | Humboldt Bay Municipal Water District | PG&E | Water | No | | |
| 2862872 | Hydesville County Water District | PG&E | Water | No | | |
| 1442584 | Inland Empire Utilities Agency | SCE | Water | No | | |
| 1086749 | Integrated Environmental Systems | PG&E | Sewage/Waste | No | | |
| 714435 | Inyokern Community Services District | SCE | Water | Yes | 2-4 hours | 100 |
| 1006364 | Inyokern Community Services District | SCE | Water | No | | |
| 3958453 | Inyokern Community Services District | SCE | Sewage/Waste | No | | |
| 8602922 | Inyokern Community Services District | SCE | Water | No | | |
| 277575 | Irvine Ranch Water District | SCE | Water | No | | |
| 587634 | Irvine Ranch Water District | SCE | Water | No | | |
| 4183825 | Irvine Ranch Water District | SCE | Water | No | | |
| 8422564 | Irvine Ranch Water District | SCE | Water | Yes | <2 hours | 26-50 |
| 8727434 | Irvine Ranch Water District | SCE | Water | No | | |
| 533923 | Joshua Acres Mutual Water Co. | SCE | Water | No | | |
| 982989 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 1445483 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 3682879 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 5805224 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 6352099 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 6917132 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 8395861 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 8669146 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 8731249 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 8761461 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 8992174 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 9419725 | Joshua Basin Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 5232104 | Julian Community Services District | SDG&E | Water | No | | |
| 7310351 | Jurupa Community Services District | SCE | Water | Yes | 2-4 hours | 100 |
| 362567 | Jurupa Community Services District | SCE | Water | Yes | 2-4 hours | 100 |
| 673083 | Jurupa Community Services District | SCE | Water | No | | |
| 1009813 | Jurupa Community Services District | SCE | Water | Yes | 2-4 hours | 100 |
| 1025409 | Jurupa Community Services District | SCE | Water | No | | |
| 1817907 | Jurupa Community Services District | SCE | Water | Yes | <2 hours | 100 |
| 2173022 | Jurupa Community Services District | SCE | Water | No | | |
| 2774218 | Jurupa Community Services District | SCE | Water | No | | |
| 2804583 | Jurupa Community Services District | SCE | Water | No | | |
| 4073657 | Jurupa Community Services District | SCE | Water | Yes | 2-4 hours | 100 |
| 4429797 | Jurupa Community Services District | SCE | Water | Yes | 2-4 hours | 100 |
| 4842547 | Jurupa Community Services District | SCE | Water | No | | |
| 5724200 | Jurupa Community Services District | SCE | Water | Yes | 2-4 hours | 100 |
| 6267870 | Jurupa Community Services District | SCE | Water | No | | |
| 6485918 | Jurupa Community Services District | SCE | Water | No | | |
| 6517657 | Jurupa Community Services District | SCE | Water | No | | |
| 6602343 | Jurupa Community Services District | SCE | Water | Yes | 2-4 hours | 100 |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 6751269 | Jurupa Community Services District | SCE | Water | Yes | <2 hours | 100 |
| 7487658 | Jurupa Community Services District | SCE | Water | No | | |
| 8045519 | Jurupa Community Services District | SCE | Water | Yes | 2-4 hours | 100 |
| 8131426 | Jurupa Community Services District | SCE | Water | No | | |
| 9254930 | Jurupa Community Services District | SCE | Water | No | | |
| 9556597 | Jurupa Community Services District | SCE | Water | No | | |
| 1506823 | Keenebec Hill Sewer Fund | PG&E | Sewage/Waste | No | | |
| 8381365 | Kelly Mutual Water Company | PG&E | Water | No | | |
| 6197222 | Kennedy Management & Accounting Systems | Other | Water | No | | |
| 5989397 | Kenwood Village Water Company | PG&E | Water | No | | |
| 435766 | Kern County Water Agency | PG&E | Water | No | | |
| 662555 | Kern County Water Agency | PG&E | Water | No | | |
| 758075 | Kern County Water Agency | PG&E | Water | No | | |
| 1000627 | Kern County Water Agency | PG&E | Water | Yes | None | 26-50 |
| 1472186 | Kern County Water Agency | PG&E | Water | No | | |
| 2265490 | Kern County Water Agency | PG&E | Water | No | | |
| 2359179 | Kern County Water Agency | PG&E | Water | No | | |
| 2460955 | Kern County Water Agency | PG&E | Water | No | | |
| 3080615 | Kern County Water Agency | PG&E | Water | No | | |
| 3142413 | Kern County Water Agency | PG&E | Water | No | | |
| 3241747 | Kern County Water Agency | PG&E | Water | No | | |
| 4980029 | Kern County Water Agency | PG&E | Water | No | | |
| 5237292 | Kern County Water Agency | PG&E | Water | No | | |
| 5902837 | Kern County Water Agency | PG&E | Water | No | | |
| 6186999 | Kern County Water Agency | PG&E | Water | No | | |
| 6401232 | Kern County Water Agency | PG&E | Water | No | | |
| 6563586 | Kern County Water Agency | PG&E | Water | No | | |
| 7408312 | Kern County Water Agency | PG&E | Water | No | | |
| 8610857 | Kern County Water Agency | PG&E | Water | No | | |
| 9958818 | Kern County Water Agency | PG&E | Water | No | | |
| 7500628 | Konocti County Water District | PG&E | Water | No | | |
| 3735674 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 4976366 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 6756762 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 9960192 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 2200488 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 5175188 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 3629778 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 229968 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 519841 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 527820 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 779437 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 888232 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 984515 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 1002103 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 1004962 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 1246661 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 1615466 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 2114123 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 2158831 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 2617009 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 2735919 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 2925585 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 3399480 | L A County Public Works - Waterworks | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 3561267 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 4162768 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 4677752 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 4746111 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 4788531 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 5006274 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 5203417 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 5257433 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 5323351 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 5716265 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 6110400 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 6380785 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 6845873 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 7586229 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 7610447 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 7709673 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 8313006 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 8466509 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 8836382 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 8846453 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 9072435 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 9340685 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 9509098 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 9725817 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 9935778 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 9968126 | L A County Public Works - Waterworks | SCE | Water | No | | |
| 4474505 | L.A. County Public Works/155-4880-Y529916-29-85 | SCE | Water | No | | |
| 1647815 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 1734179 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 2068499 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 2230090 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 2273229 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 2452410 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 2648028 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 3108538 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 3225835 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 3914507 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 4122942 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 4446734 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 4573687 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 5625018 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 6053789 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 6152209 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 6154192 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 6185320 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 6255511 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 6500719 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 6557787 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 6634997 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 7853716 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 7943895 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 8012865 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 9433153 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 9468706 | L.A. County Public Works/Waterworks | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 9538286 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 9996050 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 694446 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 7845629 | L.A. County Public Works/Waterworks | SCE | Water | No | | |
| 2120227 | La Habra Heights County Water District | SCE | Water | No | | |
| 2726763 | La Habra Heights County Water District | SCE | Water | No | | |
| 3065661 | La Habra Heights County Water District | SCE | Water | No | | |
| 3094805 | La Habra Heights County Water District | SCE | Water | No | | |
| 3421649 | La Habra Heights County Water District | SCE | Water | No | | |
| 3467883 | La Habra Heights County Water District | SCE | Water | No | | |
| 6471728 | La Habra Heights County Water District | SCE | Water | No | | |
| 8555315 | La Habra Heights County Water District | SCE | Water | No | | |
| 1850909 | La Puente Valley County Water District | SCE | Water | No | | |
| 4864825 | La Puente Valley County Water District | SCE | Water | No | | |
| 5963763 | La Puente Valley County Water District | SCE | Water | No | | |
| 7716234 | La Puente Valley County Water District | SCE | Water | No | | |
| 285968 | Laguna Beach County Water District | SCE | Water | No | | |
| 1554736 | Laguna Beach County Water District | SCE | Water | No | | |
| 2199267 | Laguna Beach County Water District | SCE | Water | Yes | >4 hours | 100 |
| 2921008 | Laguna Beach County Water District | SCE | Water | Yes | >4 hours | 100 |
| 5007647 | Laguna Beach County Water District | SCE | Water | No | | |
| 5606707 | Laguna Beach County Water District | SCE | Water | No | | |
| 7180346 | Laguna Beach County Water District | SCE | Water | No | | |
| 7306688 | Laguna Beach County Water District | SCE | Water | No | | |
| 8305986 | Laguna Beach County Water District | SCE | Water | Yes | >4 hours | 51-75 |
| 9137896 | Laguna Beach County Water District | SCE | Water | No | | |
| 9425219 | Laguna Beach County Water District | SCE | Water | Yes | >4 hours | 100 |
| 9454668 | Laguna Beach County Water District | SCE | Water | Yes | >4 hours | 51-75 |
| 3435534 | Lake Elizabeth Mutual Water Company | SCE | Water | No | | |
| 4982928 | Las Cumbres Mutual Water Co. | PG&E | Water | Yes | None | 0 |
| 1033343 | Las Virgenes Municipal Water District | SCE | Water | No | | |
| 3863848 | Las Virgenes Municipal Water District | SCE | Water | No | | |
| 2999133 | Lassen Pines Mutual Water Co. | PG&E | Water | Yes | >4 hours | 100 |
| 4285296 | Laytonville Co. Water District | PG&E | Water | No | | |
| 784778 | LeFevre, W.G. | SCE | Water | No | | |
| 8225878 | Lichau Hylands Mutual Water Co., Inc. | PG&E | Water | No | | |
| 3412799 | Lincoln Avenue Water Company | SCE | Water | Yes | >4 hours | 26-50 |
| 6177233 | Lincoln Avenue Water Company | SCE | Water | Yes | >4 hours | 26-50 |
| 6507433 | Lincoln Avenue Water Company | SCE | Water | Yes | >4 hours | 26-50 |
| 7348803 | Lincoln Avenue Water Company | SCE | Water | Yes | >4 hours | 26-50 |
| 9010942 | Lincoln Avenue Water Company | SCE | Water | Yes | >4 hours | 26-50 |
| 9192064 | Lincoln Avenue Water Company | SCE | Water | Yes | >4 hours | 26-50 |
| 4274920 | Lindsay-Strathmore Irrigation District | SCE | Water | No | | |
| 9424456 | Little Baldy Water Company, Inc. | SCE | Water | No | | |
| 6570910 | Livermore Amador Valley Water Management District | PG&E | Sewage/Waste | No | | |
| 1094073 | Llano Del Rio Water Company | SCE | Water | Yes | 2-4 hours | 51-75 |
| 5908373 | Lompico County Water District | PG&E | Water | No | | |
| 4109515 | Long Beach Water Department | SCE | Sewage/Waste | No | | |
| 4933642 | Long Beach Water Department | SCE | Sewage/Waste | No | | |
| 5175036 | Long Beach Water Department | SCE | Sewage/Waste | No | | |
| 8957537 | Long Beach Water Department | SCE | Sewage/Waste | No | | |
| 4099291 | Los Angeles County Public Works/Waterworks | SCE | Water | No | | |
| 8661516 | Lucerne Valley Mutual Water Company | SCE | Water | No | | 0 |
| 154590 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 411853 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 791034 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 1467608 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 2952441 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 3486608 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 3655871 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 3670825 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 3795794 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 3917363 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 4743517 | M.W.W.D. | SDG&E | Sewage/Waste | No | >4 hours | 100 |
| 5130480 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 5617236 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 5744036 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 5870531 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 6565569 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 6895922 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 7721837 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 7919024 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 8291643 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 8771532 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 8964098 | M.W.W.D. | SDG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 9443180 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 9779985 | M.W.W.D. | SDG&E | Sewage/Waste | No | | |
| 3399371 | Mammoth Community Water District | SCE | Water | Yes | 2-4 hours | 26-50 |
| 7438982 | Mariana Ranchos County Water District | SCE | Water | No | | |
| 7934435 | Marin Municipal Water District | PG&E | Water | No | | |
| 8182543 | Marin Municipal Water District | PG&E | Water | Yes | None | 0 |
| 8732927 | Marin Municipal Water District | PG&E | Water | No | | |
| 9836595 | Marin Municipal Water District | PG&E | Water | No | | |
| 1169757 | Martin Treitel/ Sierra Heights Mobile Estates | SCE | Sewage/Waste | No | | |
| 944036 | Maywood Mutual Water Co. #1 | SCE | Water | Yes | >4 hours | 51-75 |
| 1581897 | Maywood Mutual Water Co. No. 2 | SCE | Water | No | | |
| 7643908 | Maywood Mutual Water Co. No. 2 | SCE | Water | Yes | >4 hours | 51-75 |
| 5281695 | Mendocino City Community Services District | PG&E | Sewage/Waste | Yes | None | 51-75 |
| 148115 | Mesa Consolidated Water District | SCE | Water | No | | |
| 707721 | Mesa Consolidated Water District | SCE | Water | No | | |
| 1515020 | Mesa Consolidated Water District | SCE | Water | No | | |
| 3969744 | Mesa Consolidated Water District | SCE | Water | No | | |
| 4696673 | Mesa Consolidated Water District | SCE | Water | No | | |
| 5840711 | Mesa Consolidated Water District | SCE | Water | No | | |
| 6120928 | Mesa Consolidated Water District | SCE | Water | No | | |
| 7352617 | Mesa Consolidated Water District | SCE | Water | No | | |
| 9391191 | Mesa Consolidated Water District | SCE | Water | No | | |
| 8340319 | Mesa Crest Water Comapny | SCE | Water | No | | |
| 1005071 | Mesa Crest Water Company | SCE | Water | No | | |
| 9482286 | Metcalf & Eddy Services | PG&E | Sewage/Waste | Yes | >4 hours | 26-50 |
| 4785784 | Metropolitan Water District of Southern California | SCE | Water | No | | |
| 7704943 | Midland Pacific Builders / The Lakes | PG&E | Sewage/Waste | No | | |
| 8510302 | Minuteman Pumping | SCE | Sewage/Waste | No | | |
| 3621081 | Monte Vista Water District | SCE | Water | No | | |
| 3718279 | Monte Vista Water District | SCE | Water | No | | |
| 7196825 | Monte Vista Water District | SCE | Water | No | | |
| 8684557 | Monte Vista Water District | Other | Water | No | | |
| 1588610 | Montecito Water District | SCE | Water | No | >4 hours | 100 |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 9027880 | Montecito Water District | SCE | Water | No | >4 hours | 100 |
| 354175 | Montecito Water Service | SCE | Water | No | >4 hours | 100 |
| 2606524 | Moro Cojo Mutual Water & Road Assn | PG&E | Water | No | | |
| 426043 | Moulton Niguel Water | SDG&E | Water | Yes | >4 hours | 100 |
| 882586 | Moulton Niguel Water | SDG&E | Water | Yes | >4 hours | 100 |
| 2346057 | Moulton Niguel Water | SDG&E | Water | Yes | >4 hours | 100 |
| 4272936 | Moulton Niguel Water | SDG&E | Water | No | | |
| 4422472 | Moulton Niguel Water | SCE | Water | Yes | >4 hours | 100 |
| 5405138 | Moulton Niguel Water | SCE | Water | Yes | >4 hours | 100 |
| 5684679 | Moulton Niguel Water | SCE | Water | Yes | >4 hours | 100 |
| 6868914 | Moulton Niguel Water | SCE | Water | Yes | >4 hours | 100 |
| 7396258 | Moulton Niguel Water | SDG&E | Water | Yes | >4 hours | 100 |
| 7561467 | Moulton Niguel Water | SDG&E | Water | Yes | >4 hours | 100 |
| 7979754 | Moulton Niguel Water | SDG&E | Water | Yes | >4 hours | 100 |
| 8205889 | Moulton Niguel Water | SDG&E | Water | Yes | >4 hours | 100 |
| 8392656 | Moulton Niguel Water | SCE | Water | No | | |
| 8474596 | Moulton Niguel Water | SDG&E | Water | Yes | >4 hours | 100 |
| 1390857 | Mount Hermon Association, Inc. | PG&E | Water | Yes | 2-4 hours | 26-50 |
| 9568956 | Murphy Mutual Water Company | PG&E | Water | No | | |
| 1064319 | Murrieta County Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 2232989 | Murrieta County Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 2605870 | Murrieta County Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 4174168 | Murrieta County Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 7129992 | Murrieta County Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 9649218 | Murrieta County Water District | SCE | Water | Yes | 2-4 hours | 51-75 |
| 2088031 | Mustang Springs mutual Water Company | PG&E | Water | No | | |
| 4276598 | Myers Flat Mutual Water System, Inc. | PG&E | Water | No | | |
| 8958452 | Myers Flat Mutual Water System, Inc. | PG&E | Water | No | | |
| 931720 | New Cure, Inc. | SCE | Sewage/Waste | No | | |
| 9736956 | North Coast County Water District | PG&E | Water | Yes | <2 hours | 1-25 |
| 3207263 | North San Mateo County Sanitation District | PG&E | Water | No | | |
| 5643175 | North San Mateo County Sanitation District | PG&E | Water | No | | |
| 6537188 | Oak Haven Estates HOA | SCE | Water | No | | |
| 6132024 | Oak Trail Mutual Water Company, Inc. | PG&E | Water | No | | |
| 294970 | Oakdale Irrigation District | PG&E | Water | No | | |
| 1594561 | Oakdale Irrigation District | PG&E | Water | No | | |
| 2026385 | Oakdale Irrigation District | PG&E | Water | No | | |
| 3104876 | Oakdale Irrigation District | PG&E | Water | No | | |
| 4138049 | Oakdale Irrigation District | PG&E | Water | No | | |
| 5037554 | Oakdale Irrigation District | PG&E | Water | No | | |
| 5683154 | Oakdale Irrigation District | PG&E | Water | No | | |
| 6396044 | Oakdale Irrigation District | PG&E | Water | No | | |
| 6624163 | Oakdale Irrigation District | PG&E | Water | No | | |
| 6643389 | Oakdale Irrigation District | PG&E | Water | No | | |
| 8410051 | Oakdale Irrigation District | PG&E | Water | No | | |
| 8499621 | Oakdale Irrigation District | PG&E | Water | No | | |
| 8521441 | Oakdale Irrigation District | PG&E | Water | No | | |
| 9492510 | Oakdale Irrigation District | PG&E | Water | No | | |
| 9859331 | Oakdale Irrigation District | PG&E | Water | No | | |
| 255298 | Ojai Valley Sanitary District | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 307788 | Ojai Valley Sanitary District | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 3535479 | Ojai Valley Sanitary District | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 3958148 | Ojai Valley Sanitary District | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 5080889 | Ojai Valley Sanitary District | SCE | Sewage/Waste | Yes | >4 hours | 100 |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 5107745 | Ojai Valley Sanitary District | SCE | Sewage/Waste | Yes | >4 hours | 100 |
| 3459948 | Orchard Dale Water District | SCE | Water | Yes | None | 0 |
| 3172625 | Oro Loma Sanitary District | PG&E | Sewage/Waste | No | | |
| 3660906 | Oro Loma Sanitary District | PG&E | Sewage/Waste | No | | |
| 4971178 | Oro Loma Sanitary District | PG&E | Sewage/Waste | No | | |
| 8439305 | Oro Loma Sanitary District | PG&E | Sewage/Waste | No | | |
| 8082750 | Pacifica Development | SCE | Water | No | | |
| 1254290 | Palmdale Water District | SCE | Water | No | | |
| 1303271 | Palmdale Water District | SCE | Water | No | | |
| 3109301 | Palmdale Water District | SCE | Water | No | | |
| 4041613 | Palmdale Water District | SCE | Water | No | | |
| 5482348 | Palmdale Water District | SCE | Water | No | | |
| 5622881 | Palmdale Water District | SCE | Water | No | | |
| 5740221 | Palmdale Water District | SCE | Water | No | | |
| 6072645 | Palmdale Water District | SCE | Water | No | | |
| 7271593 | Palmdale Water District | SCE | Water | No | | |
| 8380907 | Palmdale Water District | SCE | Water | No | | |
| 9987047 | Palmdale Water District | SCE | Water | No | | |
| 9668291 | Palmdale Wayer District | SCE | Water | No | | |
| 7628649 | Panorama Heights Property Owners Association | SCE | Water | No | | |
| 844745 | Paradise Irrigation District | PG&E | Water | No | | |
| 8049486 | Paradise Irrigation District | PG&E | Water | Yes | >4 hours | 100 |
| 3860491 | Park Water Company | SCE | Water | No | | |
| 4212054 | Park Water Company | SCE | Water | No | | |
| 4386919 | Park Water Company | SCE | Water | No | | |
| 9630602 | Park Water Company | SCE | Water | No | | |
| 2977465 | Peerless Water Company | SCE | Water | No | | |
| 3799151 | Peerless Water Company | SCE | Water | No | | |
| 9357622 | Peerless Water Company | SCE | Water | No | | |
| 2278155 | Pioneer Americas | SCE | Water | Yes | >4 hours | 76-99 |
| 7611712 | Piute Mutual Water Company | SCE | Water | Yes | 2-4 hours | 76-99 |
| 8050707 | Ponderosa Community Services District | SCE | Water | No | | |
| 7908037 | Pratt Mutual Water Company | SCE | Water | No | | |
| 681018 | Quartz Hill Water District | SCE | Water | Yes | 2-4 hours | 1-25 |
| 1002107 | Quartz Hill Water District | SCE | Water | Yes | 2-4 hours | 1-25 |
| 1177996 | Quartz Hill Water District | SCE | Water | Yes | 2-4 hours | 1-25 |
| 5476550 | Quartz Hill Water District | SCE | Water | No | | |
| 6459673 | Quartz Hill Water District | SCE | Water | No | | |
| 7255223 | Quartz Hill Water District | SCE | Water | No | | |
| 1020831 | Rainbow Disposal Co., Inc. | SCE | Sewage/Waste | Yes | None | 1-25 |
| 8148668 | Ramona Municipal Water District | SDG&E | Water | No | | |
| 3691424 | Rawson CR MUT Water | SCE | Water | No | | |
| 2362536 | Reclamation District No. 784 | PG&E | Water | No | | |
| 3655261 | Reclamation District No. 784 | PG&E | Water | No | | |
| 6631335 | Reclamation District No. 784 | PG&E | Water | No | | |
| 7660540 | Reclamation District No. 784 | PG&E | Water | No | | |
| 9857958 | Reclamation District No. 784 | PG&E | Water | No | | |
| 8081682 | Robert E Hart | SCE | Water | No | | |
| 6405810 | Rocking K Estates Water Company | SCE | Water | No | | |
| 7947100 | Rolling Woods Mutual Water Company | PG&E | Water | Yes | <2 hours | 1-25 |
| 3769549 | Rosamond Community Services District | SCE | Water | No | None | 1-25 |
| 838794 | Rubio Canon Land and Water Assoc. | SCE | Water | Yes | >4 hours | 100 |
| 1467303 | Rubio Canon Land And Water Assoc. | SCE | Water | Yes | >4 hours | 100 |
| 3787860 | Rural Water Company Inc. | PG&E | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 605334 | Salsipuedes Sanitary District of Santa Cruz County | PG&E | Sewage/Waste | No | | |
| 1029485 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 1627368 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 2202471 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 3092669 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 3099078 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 5399798 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 5495776 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 5499895 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 5523852 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 5822466 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 6400622 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 6974352 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 7024401 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 7512072 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 8486040 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 8775652 | San Bernardino Municipal Water Dept. | SCE | Water | No | | |
| 2068804 | San Diego County Water Authority | SDG&E | Water | No | | |
| 3440373 | San Diego County Water Authority | SDG&E | Water | No | | |
| 5966662 | San Diego County Water Authority | SDG&E | Water | No | | |
| 147876 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 328998 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 817431 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 828069 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 880298 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 1045637 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 1169299 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 1402453 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 1821307 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 2660388 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 3142565 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 3702868 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 3774584 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 4062518 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 4094103 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 4245623 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 4536761 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 4550494 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 4592455 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 4766711 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 4928258 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 4931048 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 5568865 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 5753497 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 5771044 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 6124438 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 6509569 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 6510485 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 7062700 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 7328509 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 7640856 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 9976061 | San Gabriel Valley Water Company | SCE | Water | No | | |
| 516637 | San Jose Municipal Water System | PG&E | Water | Yes | >4 hours | 100 |
| 1726201 | San Jose Municipal Water System | PG&E | Water | Yes | >4 hours | 51-75 |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---------------------------------|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 2488574 | San Jose Municipal Water System | PG&E | Water | Yes | >4 hours | 26-50 |
| 4984454 | San Jose Municipal Water System | PG&E | Water | No | None | 0 |
| 8142260 | San Jose Municipal Water System | PG&E | Water | No | None | 0 |
| 8744677 | San Jose Municipal Water System | PG&E | Water | No | None | 0 |
| 9972551 | San Jose Tallow Co. | PG&E | Sewage/Waste | No | | |
| 113543 | San Jose Water Company | PG&E | Water | No | | |
| 343646 | San Jose Water Company | PG&E | Water | No | | |
| 439166 | San Jose Water Company | PG&E | Water | No | | |
| 533313 | San Jose Water Company | PG&E | Water | No | | |
| 571765 | San Jose Water Company | PG&E | Water | No | | |
| 709203 | San Jose Water Company | PG&E | Water | No | | |
| 755023 | San Jose Water Company | PG&E | Water | No | | |
| 950030 | San Jose Water Company | PG&E | Water | No | | |
| 1029986 | San Jose Water Company | PG&E | Water | No | | |
| 1082629 | San Jose Water Company | PG&E | Water | No | | |
| 1140002 | San Jose Water Company | PG&E | Water | No | | |
| 1326464 | San Jose Water Company | PG&E | Water | No | | |
| 1338366 | San Jose Water Company | PG&E | Water | No | | |
| 1360949 | San Jose Water Company | PG&E | Water | No | | |
| 1703204 | San Jose Water Company | PG&E | Water | No | | |
| 1759967 | San Jose Water Company | PG&E | Water | No | | |
| 1780566 | San Jose Water Company | PG&E | Water | No | | |
| 2057360 | San Jose Water Company | PG&E | Water | No | | |
| 2105426 | San Jose Water Company | PG&E | Water | No | | |
| 2254351 | San Jose Water Company | PG&E | Water | No | | |
| 2716998 | San Jose Water Company | PG&E | Water | No | | |
| 2820758 | San Jose Water Company | PG&E | Water | No | | |
| 2827777 | San Jose Water Company | PG&E | Water | No | | |
| 2951678 | San Jose Water Company | PG&E | Water | No | | |
| 3161486 | San Jose Water Company | PG&E | Water | No | | |
| 3352374 | San Jose Water Company | PG&E | Water | No | | |
| 3443926 | San Jose Water Company | PG&E | Water | No | | |
| 3594225 | San Jose Water Company | PG&E | Water | No | | |
| 3601811 | San Jose Water Company | PG&E | Water | No | | |
| 3677691 | San Jose Water Company | PG&E | Water | No | | |
| 3790301 | San Jose Water Company | PG&E | Water | No | | |
| 3883532 | San Jose Water Company | PG&E | Water | No | | |
| 3893145 | San Jose Water Company | PG&E | Water | No | | |
| 4074725 | San Jose Water Company | PG&E | Water | No | | |
| 4526080 | San Jose Water Company | PG&E | Water | No | | |
| 4553545 | San Jose Water Company | PG&E | Water | No | | |
| 4638995 | San Jose Water Company | PG&E | Water | No | | |
| 4949816 | San Jose Water Company | PG&E | Water | No | | |
| 5022143 | San Jose Water Company | PG&E | Water | No | | |
| 5256060 | San Jose Water Company | PG&E | Water | No | | |
| 5307330 | San Jose Water Company | PG&E | Water | No | | |
| 5508746 | San Jose Water Company | PG&E | Water | No | | |
| 5886858 | San Jose Water Company | PG&E | Water | No | | |
| 6125964 | San Jose Water Company | PG&E | Water | No | | |
| 6542528 | San Jose Water Company | PG&E | Water | No | | |
| 6655291 | San Jose Water Company | PG&E | Water | No | | |
| 6757220 | San Jose Water Company | PG&E | Water | No | | |
| 6906712 | San Jose Water Company | PG&E | Water | No | | |
| 6943682 | San Jose Water Company | PG&E | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---------------------------------------|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 7091082 | San Jose Water Company | PG&E | Water | No | | |
| 7139452 | San Jose Water Company | PG&E | Water | No | | |
| 7442187 | San Jose Water Company | PG&E | Water | No | | |
| 7786577 | San Jose Water Company | PG&E | Water | No | | |
| 7809160 | San Jose Water Company | PG&E | Water | No | | |
| 8203600 | San Jose Water Company | PG&E | Water | No | | |
| 8267534 | San Jose Water Company | PG&E | Water | No | | |
| 8860491 | San Jose Water Company | PG&E | Water | No | | |
| 8865068 | San Jose Water Company | PG&E | Water | No | | |
| 9215715 | San Jose Water Company | PG&E | Water | No | | |
| 9281481 | San Jose Water Company | PG&E | Water | No | | |
| 9336870 | San Jose Water Company | PG&E | Water | No | | |
| 9570787 | San Jose Water Company | PG&E | Water | No | | |
| 9665239 | San Jose Water Company | PG&E | Water | No | | |
| 9775255 | San Jose Water Company | PG&E | Water | No | | |
| 9948748 | San Jose Water Company | PG&E | Water | No | | |
| 4485143 | San Juan Capistrano | SDG&E | Water | No | | |
| 3533496 | San Juan Water District | PG&E | Water | Yes | >4 hours | 1-25 |
| 4075640 | San Juan Water District | PG&E | Water | Yes | >4 hours | 26-50 |
| 8568547 | San Juan Water District | PG&E | Water | No | | |
| 9443224 | San Juan Water District | PG&E | Water | Yes | >4 hours | 100 |
| 1154040 | Santa Ana River Water Company | SCE | Water | No | | |
| 5171178 | Santa Ana Watershed Project Authority | SCE | Water | No | | |
| 7547320 | Santa Clara Valley Water District | PG&E | Water | No | | 0 |
| 8013933 | Santa Clara Valley Water District | PG&E | Water | No | | |
| 4254931 | Santa Clara Waste Water | SCE | Sewage/Waste | No | | |
| 734118 | Santa Clarita Water Company | SCE | Water | No | | |
| 1959704 | Santa Clarita Water Company | SCE | Water | No | | |
| 2205828 | Santa Clarita Water Company | SCE | Water | No | | |
| 5159472 | Santa Clarita Water Company | SCE | Water | No | | |
| 5763110 | Santa Clarita Water Company | SCE | Water | No | | |
| 5796526 | Santa Clarita Water Company | SCE | Water | No | | |
| 6379107 | Santa Clarita Water Company | SCE | Water | No | | |
| 517291 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 1805285 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 2264270 | Santa Margarita Water District | SCE | Water | Yes | >4 hours | 26-50 |
| 2663592 | Santa Margarita Water District | SCE | Water | Yes | >4 hours | 26-50 |
| 3222979 | Santa Margarita Water District | SCE | Water | No | | |
| 3533648 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 3654345 | Santa Margarita Water District | SCE | Water | No | | |
| 3850268 | Santa Margarita Water District | SCE | Water | No | | |
| 4306201 | Santa Margarita Water District | SCE | Water | No | | |
| 5476092 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 5972765 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 6207751 | Santa Margarita Water District | SCE | Water | No | | |
| 6672991 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 7173632 | Santa Margarita Water District | SDG&E | Water | No | | |
| 7623003 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 8174761 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 8266161 | Santa Margarita Water District | SCE | Water | No | | |
| 8347643 | Santa Margarita Water District | SCE | Water | Yes | >4 hours | 26-50 |
| 8419359 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 8569964 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26-50 |
| 8744829 | Santa Margarita Water District | SCE | Water | Yes | >4 hours | 26-50 |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 9667070 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 26–50 |
| 9922502 | Santa Margarita Water District | SCE | Water | No | | |
| 7627123 | Santa Margarita Water District | SDG&E | Water | Yes | >4 hours | 1–25 |
| 2571276 | Santiago County Water District | SCE | Water | No | | |
| 3257769 | Santiago County Water District | SCE | Water | No | | |
| 3769854 | Santiago County Water District | SCE | Water | Yes | >4 hours | 1–25 |
| 8170031 | Santiago County Water District | SCE | Water | No | | |
| 8975847 | Santiago County Water District | SCE | Water | No | | |
| 6140765 | Saratoga Heights Mutual Water Company | PG&E | Water | No | | |
| 7422655 | Selma-Kingsburg-Fowler County Sanitation District | PG&E | Sewage/Waste | Yes | <2 hours | 1–25 |
| 3334935 | Shadow Acres Mutual Water Company | SCE | Water | No | | |
| 6261919 | Shasta Co. DPW CSA #13 | PG&E | Water | No | | |
| 865191 | Shasta Community Services District | PG&E | Water | No | | |
| 2457598 | Shasta County DPW CSA #8 | PG&E | Water | No | | |
| 5644091 | Shasta County Public Works CSA Division | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 9163836 | Shasta County Public Works CSA Division | PG&E | Water | No | | |
| 134753 | Sheep Creek Water Company | SCE | Water | No | | |
| 7552508 | Sierra Foothill Laboratory, Inc. | PG&E | Water | No | | |
| 115069 | Sonoma County Water Agency | PG&E | Water | No | | |
| 8443926 | Sonoma County Water Agency | PG&E | Water | Yes | >4 hours | 76–99 |
| 9249895 | Sonoma County Water Agency | PG&E | Water | No | | |
| 6279925 | South East Regional Reclamation Authority | SDG&E | Sewage/Waste | Yes | None | 1–25 |
| 9124315 | South East Regional Reclamation Authority | SDG&E | Sewage/Waste | No | | |
| 1183947 | South Mesa Water Co. | SCE | Water | No | | |
| 444507 | Southern San Joaquin Municipal Utility District | SCE | Water | No | | |
| 2630328 | Spring Creek Mutual Water Company | PG&E | Water | No | | |
| 9852617 | Stege Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 312169 | Stinson Beach County Water District | PG&E | Water | Yes | 2–4 hours | 26–50 |
| 4148425 | Stockdale Annex Mutual Water Company | PG&E | Water | Yes | <2 hours | 100 |
| 7102984 | Stockdale Mutual Water Company | PG&E | Water | No | | |
| 405597 | Stockton East Water District | PG&E | Water | Yes | >4 hours | 76–99 |
| 813617 | Suburban Water System | SCE | Water | No | | |
| 587024 | Suburban Water Systems | SCE | Water | No | | |
| 693835 | Suburban Water Systems | SCE | Water | No | | |
| 1421374 | Suburban Water Systems | SCE | Water | No | | |
| 1876391 | Suburban Water Systems | SCE | Water | No | | |
| 2209948 | Suburban Water Systems | SCE | Water | No | | |
| 2621020 | Suburban Water Systems | SCE | Water | No | | |
| 2811755 | Suburban Water Systems | SCE | Water | No | None | |
| 3237170 | Suburban Water Systems | SCE | Water | No | | |
| 3890246 | Suburban Water Systems | SCE | Water | No | | |
| 4043292 | Suburban Water Systems | SCE | Water | No | | |
| 5043505 | Suburban Water Systems | SCE | Water | No | | |
| 5514086 | Suburban Water Systems | SCE | Water | No | | |
| 5640887 | Suburban Water Systems | SCE | Water | No | | |
| 5831774 | Suburban Water Systems | SCE | Water | No | | |
| 6956957 | Suburban Water Systems | SCE | Water | No | | |
| 7264727 | Suburban Water Systems | SCE | Water | No | | |
| 8293322 | Suburban Water Systems | SCE | Water | No | | |
| 9279802 | Suburban Water Systems | SCE | Water | No | | |
| 9537828 | Suburban Water Systems | SCE | Water | No | | |
| 9163988 | Sultana Community Services District | PG&E | Water | No | | |
| 3749669 | Sunny Slope Water Company | SCE | Water | No | | |
| 6449450 | Sunny Slope Water Company | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 6560839 | Sunnyside Farms Mutual Water Company | SCE | Water | No | | |
| 7832201 | Sunset Beach Sanitation District | SCE | Sewage/Waste | No | | |
| 2689532 | Sweetwater Authority | SDG&E | Water | Yes | None | 0 |
| 4355029 | Sweetwater Authority | SDG&E | Water | Yes | None | 0 |
| 8378008 | Sweetwater Authority | SDG&E | Water | Yes | None | 0 |
| 8436754 | Sweetwater Authority | SDG&E | Water | Yes | None | 0 |
| 1841710 | Terra Bella Irrigation District | SCE | Water | No | | |
| 3578662 | Terra Bella Irrigation District | SCE | Water | No | | |
| 7885716 | Terra Bella Irrigation District | SCE | Water | No | | |
| 9416063 | Terra Bella Irrigation District | SCE | Water | No | | |
| 1754779 | The Gage Canal Company | SCE | Water | No | | |
| 1940020 | The Gage Canal Company | SCE | Water | No | | |
| 5366228 | The Gage Canal Company | SCE | Water | No | | |
| 9014452 | The Gage Canal Company | SCE | Water | No | | |
| 2691516 | The Housing Authority of the County of Stanislaus | PG&E | Water | No | | |
| 327929 | Three Valleys Municipal Water District | SCE | Water | No | | |
| 2760638 | Three Valleys Municipal Water District | SCE | Water | No | | |
| 7377032 | Three Valleys Municipal Water District | SCE | Water | Yes | >4 hours | 100 |
| 4915789 | Tierra Bonita Mutual Water Co | SCE | Water | No | | |
| 9569109 | Tract 180 Water Co. | SCE | Water | Yes | >4 hours | 26-50 |
| 8634203 | Tract 349 Mutual Water Co. | SCE | Water | No | | |
| 7991503 | Tres Rios Mutual Water Co, Inc. | SCE | Water | No | | |
| 2739733 | Tulare Lake Drainage District | PG&E | Water | No | | |
| 3293627 | U.S. Army Corps of Engineers | SCE | Water | Yes | 2-4 hours | 26-50 |
| 5052508 | U.S. Army Corps of Engineers | PG&E | Water | No | | |
| 8496569 | U.S. Army Corps of Engineers - Isabella Lake | SCE | Water | Yes | 2-4 hours | 100 |
| 2751330 | U.S. Army Corps of Engineers - Success Lake | SCE | Water | Yes | 2-4 hours | 26-50 |
| 9393633 | U.S. Army Corps of Engineers, Eastman Lake | PG&E | Water | Yes | >4 hours | 100 |
| 9644182 | U.S. Army Corps of Engineers, Hensley Lake | PG&E | Water | Yes | >4 hours | 100 |
| 1987737 | U.S. Army Corps of Engineers-Pine Flat Dam | PG&E | Water | Yes | >4 hours | 100 |
| 9756945 | United Water Conservation District | SCE | Water | Yes | 2-4 hours | 100 |
| 7412737 | Valencia Heights Water Company | SCE | Water | Yes | 2-4 hours | 1-25 |
| 2168597 | Valencia Water Company | SCE | Water | No | | |
| 2945727 | Valencia Water Company | SCE | Water | No | | |
| 3518389 | Valencia Water Company | SCE | Water | No | | |
| 4956835 | Valencia Water Company | SCE | Water | No | | |
| 6212023 | Valencia Water Company | SCE | Water | No | | |
| 7407549 | Valencia Water Company | SCE | Water | No | | |
| 7551287 | Valencia Water Company | SCE | Water | No | | |
| 9774340 | Valencia Water Company | SCE | Water | No | | |
| 1140460 | Valley Center Municipal Water District | SDG&E | Water | No | | |
| 2959307 | Valley Center Municipal Water District | SDG&E | Water | No | | |
| 5441607 | Valley Center Municipal Water District | SDG&E | Sewage/Waste | No | | |
| 8746813 | Valley Center Municipal Water District | SDG&E | Sewage/Waste | No | | |
| 9606951 | Valley Center Municipal Water District | SDG&E | Water | No | | |
| 4182147 | Valley County Water District | SCE | Water | No | | |
| 5708331 | Valley County Water District | SCE | Water | No | | |
| 7563799 | Valley County Water District | SCE | Water | No | | |
| 7676714 | Valley County Water District | SCE | Water | No | | |
| 3209551 | Valley View Estates Mutual Water Company | SCE | Water | Yes | None | 0 |
| 1716632 | Valley Water Company | SCE | Water | Yes | >4 hours | 51-75 |
| 6387957 | Ventura River County Water District | SCE | Water | Yes | >4 hours | 51-75 |
| 7354754 | Ventura River County Water District | SCE | Water | Yes | >4 hours | 76-99 |
| 7960833 | Ventura Water Reclamation Facility | SCE | Sewage/Waste | Yes | <2 hours | 1-25 |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 1046923 | Walnut Valley Water District | SCE | Water | No | | |
| 1163195 | Walnut Valley Water District | SCE | Water | No | | |
| 4141253 | Walnut Valley Water District | SCE | Water | No | | |
| 4318255 | Walnut Valley Water District | SCE | Water | No | | |
| 4518603 | Walnut Valley Water District | SCE | Water | No | | |
| 5107897 | Walnut Valley Water District | SCE | Water | No | | |
| 5423144 | Walnut Valley Water District | SCE | Water | No | | |
| 6391161 | Walnut Valley Water District | SCE | Water | No | | |
| 7002276 | Walnut Valley Water District | SCE | Water | No | | |
| 7583178 | Walnut Valley Water District | SCE | Water | No | | |
| 9694950 | Walnut Valley Water District | SCE | Water | No | | |
| 9109362 | Ware Disposal Co., Inc. | SCE | Sewage/Waste | No | | |
| 1367511 | Wastewater Management, County of San Diego | SDG&E | Sewage/Waste | No | | |
| 2640246 | Wastewater Management, County of San Diego | SDG&E | Sewage/Waste | No | | |
| 3936633 | Wastewater Management, County of San Diego | SDG&E | Sewage/Waste | No | | |
| 5639666 | Wastewater Management, County of San Diego | SDG&E | Sewage/Waste | No | | |
| 6174792 | Wastewater Management, County of San Diego | SDG&E | Sewage/Waste | No | | |
| 8461016 | Wayne Catlett | SCE | Water | No | | |
| 2626818 | West Bay Sanitary District | PG&E | Sewage/Waste | No | | |
| 3500994 | West Bay Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 4780901 | West Bay Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 5166644 | West Bay Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 5643285 | West Bay Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 6453875 | West Bay Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 7474230 | West Bay Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 8314379 | West Bay Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 9477404 | West Bay Sanitary District | PG&E | Sewage/Waste | Yes | >4 hours | 100 |
| 3900775 | West County Wastewater District | PG&E | Sewage/Waste | No | | |
| 1102923 | West Side Park Mutual Water Company, Inc. | SCE | Water | No | | |
| 4082507 | Western Municipal Water District | SCE | Water | Yes | >4 hours | 100 |
| 6788195 | Western Municipal Water District | SCE | Water | No | | |
| 9886644 | Western Municipal Water District | SCE | Water | No | | |
| 6621569 | Westlands Water District | PG&E | Water | No | | |
| 5062273 | Westridge Community Services District | SCE | Water | Yes | >4 hours | 100 |
| 8611620 | White Fence Farms Mutual Water Co. #3 | SCE | Water | No | | |
| 9690111 | White Fence Farms Mutual Water Co. #3 | SCE | Water | No | | |
| 3163317 | White Oaks Mutual Water Company | PG&E | Water | No | | |
| 4182910 | White Oaks Mutual Water Company | PG&E | Water | No | | |
| 4791430 | Wilkinson - Gill Water System | SCE | Water | No | | |
| 3023394 | Wilkinson - Gill Water System | SCE | Water | No | | |
| 4523638 | Winton Water & Sanitary District | PG&E | Water | Yes | <2 hours | 1-25 |
| 7690752 | Winton Water & Sanitary District | PG&E | Water | Yes | <2 hours | 1-25 |
| 9671953 | Woodbridge Sanitary District | PG&E | Sewage/Waste | Yes | <2 hours | 100 |
| 924090 | Yolo County Flood Control & Water Conservation District | PG&E | Water | Yes | 2-4 hours | 51-75 |
| 3988207 | Yolo County Flood Control & Water Conservation District | PG&E | Water | No | | |
| 5823033 | Yolo County Flood Control & Water Conservation District | PG&E | Water | Yes | >4 hours | 76-99 |
| 8019884 | Yolo County Flood Control & Water Conservation District | PG&E | Water | No | | |
| 8857090 | Yolo County Flood Control & Water Conservation District | PG&E | Water | No | | |
| 643786 | Yorba Linda Water District | SCE | Water | No | | |

Table L-1. Water, sewage, and waste applicants

| Application ID Number | Name | Utility Company | Business Group | Backup generator available? | How long will backup generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|-------------------------------|-----------------|----------------|-----------------------------|--------------------------------------|---|
| 5369891 | Yorba Linda Water District | SCE | Water | No | | |
| 6019762 | Yorba Linda Water District | SCE | Water | No | | |
| 6642168 | Yorba Linda Water District | SCE | Water | No | | |
| 7096117 | Yucaipa Valley Water District | SCE | Water | No | | |
| 7178515 | Yucaipa Valley Water District | SCE | Water | No | | |

Table L-2. Communications applicants

| Application ID Number | Name | Utility Company | Back-up generator available? | How long will back-up generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|------------------------------|---------------------------------------|---|
| 1296710 | ABC Radio Inc. (KGO-AM Radio Inc.) | PG&E | Yes | <2 hours | 100 |
| 4010333 | Advanced Electronics, Inc. | SCE | No | | |
| 2358264 | Aeronautical Radio, Inc. | PG&E | Yes | None | 1-25 |
| 2426776 | AirWatch America | SDG&E | Yes | 2-4 hours | 26-50 |
| 8652208 | AirWatch America | SCE | Yes | None | 0 |
| 7429979 | AK Media Group/KGPE TV (Retlaw Broadcasting/KJEO TV | PG&E | No | | |
| 180682 | All Pro Broadcasting | SCE | No | | |
| 8692492 | ANET Communications | PG&E | No | | |
| 3624285 | Applied Technology Group, Inc. | PG&E | Yes | 2-4 hours | 26-50 |
| 6385930 | Astor Broadcast Group | SDG&E | No | | |
| 6577776 | Astor Broadcast Group / KCEO AM | SDG&E | No | | |
| 1678027 | Astor Broadcast Group / KFSD AM | SDG&E | No | | |
| 3968524 | Astor Broadcast Group / KFSD FM | SDG&E | No | | |
| 217260 | AT&T Wireless Services | SDG&E | No | | |
| 399035 | AT&T Wireless Services | SCE | No | | |
| 625781 | AT&T Wireless Services | SCE | No | | |
| 1437548 | AT&T Wireless Services | SDG&E | No | | |
| 1471423 | AT&T Wireless Services | SDG&E | No | | |
| 1577929 | AT&T Wireless Services | SDG&E | No | | |
| 1714648 | AT&T Wireless Services | SDG&E | No | | |
| 1829242 | AT&T Wireless Services | SCE | No | | |
| 2054766 | AT&T Wireless Services | SCE | No | | |
| 2093066 | AT&T Wireless Services | SDG&E | No | | |
| 2261065 | AT&T Wireless Services | SDG&E | No | | |
| 2289294 | AT&T Wireless Services | SDG&E | No | | |
| 2364672 | AT&T Wireless Services | SCE | No | | |
| 2493609 | AT&T Wireless Services | SCE | No | | |
| 2710742 | AT&T Wireless Services | SCE | No | | |
| 2810229 | AT&T Wireless Services | SCE | No | | |
| 2829760 | AT&T Wireless Services | SCE | No | | |
| 2959765 | AT&T Wireless Services | SCE | No | | |
| 3203295 | AT&T Wireless Services | SDG&E | No | | |
| 3703936 | AT&T Wireless Services | SDG&E | No | | |
| 4662035 | AT&T Wireless Services | SDG&E | No | | |
| 4880846 | AT&T Wireless Services | SDG&E | No | | |
| 5145892 | AT&T Wireless Services | SCE | No | | |
| 5323504 | AT&T Wireless Services | SDG&E | No | | |
| 5383166 | AT&T Wireless Services | SDG&E | No | | |
| 5391253 | AT&T Wireless Services | SCE | No | | |
| 5463122 | AT&T Wireless Services | SDG&E | No | | |
| 5488146 | AT&T Wireless Services | SDG&E | No | | |
| 5515002 | AT&T Wireless Services | SDG&E | No | | |

Table L-2. Communications applicants

| Application ID Number | Name | Utility Company | Back-up generator available? | How long will back-up generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|------------------------------|---------------------------------------|---|
| 5525225 | AT&T Wireless Services | SDG&E | No | | |
| 6478899 | AT&T Wireless Services | SDG&E | No | | |
| 6554583 | AT&T Wireless Services | SDG&E | No | | |
| 7030614 | AT&T Wireless Services | SCE | No | | |
| 7364672 | AT&T Wireless Services | SCE | No | | |
| 7369860 | AT&T Wireless Services | SDG&E | No | | |
| 7458208 | AT&T Wireless Services | SDG&E | No | | |
| 7585467 | AT&T Wireless Services | SDG&E | No | | |
| 7775548 | AT&T Wireless Services | SCE | No | | |
| 7896593 | AT&T Wireless Services | SDG&E | No | | |
| 8072331 | AT&T Wireless Services | SDG&E | No | | |
| 8176287 | AT&T Wireless Services | SDG&E | No | | |
| 8273638 | AT&T Wireless Services | SCE | No | | |
| 8547381 | AT&T Wireless Services | SCE | No | | |
| 8693407 | AT&T Wireless Services | PG&E | No | | |
| 9107988 | AT&T Wireless Services | SDG&E | No | | |
| 9114244 | AT&T Wireless Services | SCE | No | | |
| 9873326 | AT&T Wireless Services | SDG&E | No | | |
| 9940813 | AT&T Wireless Services | SDG&E | No | | |
| 2476519 | Blythe Radio Inc. | SCE | No | | |
| 5142687 | Buckely Broadcasting | PG&E | No | | |
| 2894872 | Calif RSA No. 3 Golden State Cellular | PG&E | Yes | 2-4 hours | 100 |
| 1789721 | CallWave, Inc. | SCE | Yes | None | 100 |
| 7738360 | Carpenter/Rautenber | SCE | No | | |
| 5083636 | CBM Napa LLC | PG&E | Yes | >4 hours | 100 |
| 2492388 | CBS Incorporated - KCBS-TV | SCE | Yes | >4 hours | 100 |
| 939153 | Chancellor Media Corporation | PG&E | Yes | >4 hours | 100 |
| 9159563 | Chancellor Media Corporation | PG&E | Yes | >4 hours | 100 |
| 4241198 | Charter Communications | PG&E | Yes | 2-4 hours | 1-25 |
| 7758959 | City of Beverly Hills | SCE | No | None | 0 |
| 5068377 | Clear Channel Communications | PG&E | No | | |
| 5652941 | Clear Channel Communications | PG&E | No | | |
| 8756731 | Clear Channel Communications | PG&E | Yes | >4 hours | 100 |
| 800189 | Clear Channel Radio | PG&E | Yes | >4 hours | 100 |
| 1331958 | Clear Channel Victorville | SCE | No | | |
| 1534442 | Compass Radio of San Diego, KXST, Sets 102.1 FM | SDG&E | Yes | >4 hours | 100 |
| 6898211 | Compass Radio of San Diego, KXST, Sets 102.1 FM | SDG&E | No | | |
| 5893725 | Cooper Communications, LLC dba KGEC-TV | PG&E | No | | |
| 5368822 | Cox Communications, Inc. - Central Coast, LLC U-5684-C | PG&E | Yes | >4 hours | 100 |

Table L-2. Communications applicants

| Application ID Number | Name | Utility Company | Back-up generator available? | How long will back-up generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|------------------------------|---------------------------------------|---|
| 7579516 | Cox Communications. Inc. - Central Coast & Cox California Telcom, LLC U-5684-C | SCE | Yes | >4 hours | 100 |
| 845355 | CoxCom Inc. - San Diego/Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 4469775 | CoxCom, Inc.-Orange County & Cox California Telcom, LLC (U-5684-C) | SCE | Yes | >4 hours | 100 |
| 5920580 | CoxCom, Inc.-Orange County & Cox California Telcom, LLC (U-5684-C) | SCE | Yes | >4 hours | 100 |
| 6585558 | CoxCom, Inc.-Orange County & Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 6998461 | CoxCom, Inc.-Orange County & Cox California Telcom, LLC (U-5684-C) | SCE | Yes | >4 hours | 100 |
| 9771440 | CoxCom, Inc.-Orange County & Cox California Telcom, LLC (U-5684-C) | SCE | Yes | >4 hours | 100 |
| 2082952 | CoxCom, Inc.-San Diego/Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 5637944 | CoxCom, Inc.-San Diego/Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 5889452 | CoxCom, Inc.-San Diego/Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 6232317 | CoxCom, Inc.-San Diego/Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 6402911 | CoxCom, Inc.-San Diego/Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 6432970 | CoxCom, Inc.-San Diego/Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 7065905 | CoxCom, Inc.-San Diego/Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 8045977 | CoxCom, Inc.-San Diego/Cox California Telcom, LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 3538378 | CoxCom, Inc.-San Diego/Cox California Telcom, LLC. (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 6581438 | CoxCom, Inc.-San Diego/Cox California Telcom,LLC (U-5684-C) | SDG&E | Yes | >4 hours | 100 |
| 858020 | CSD | PG&E | No | | |
| 540179 | Educational Media Foundation, dba K-LOVE Radio | PG&E | No | | |
| 1858233 | Educational Media Foundation, dba K-LOVE Radio | PG&E | Yes | <2 hours | 100 |
| 6900957 | Educational Media Foundation, dba K-LOVE Radio | SDG&E | No | | |
| 8109911 | Educational Media Foundation, dba K-LOVE Radio | PG&E | No | | |

Table L-2. Communications applicants

| Application ID Number | Name | Utility Company | Back-up generator available? | How long will back-up generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|---|-----------------|------------------------------|---------------------------------------|---|
| 1427172 | EGF Broadcast Corporation | SCE | No | None | 0 |
| 2646611 | EGF Broadcast Corporation | SCE | No | None | 0 |
| 3863085 | EGF Broadcast Corporation KESQ-TV | SCE | Yes | >4 hours | 100 |
| 7046221 | Gary Cocola | PG&E | No | | 0 |
| 496801 | Gary M. Cocola | PG&E | Yes | >4 hours | 100 |
| 9606340 | Gary M.Cocola | PG&E | Yes | >4 hours | 100 |
| 9021122 | Gold Country Communications., Inc., doing business as KNGT-fm | PG&E | Yes | <2 hours | 26-50 |
| 394916 | GST Telecom | PG&E | Yes | None | 1-25 |
| 2616748 | GST Telecom | PG&E | Yes | None | 1-25 |
| 7593554 | GST Telecom | PG&E | Yes | None | 1-25 |
| 7839831 | GST Telecom | PG&E | Yes | None | 1-25 |
| 8602007 | GST Telecom | PG&E | No | | |
| 8773058 | GST Telecom | PG&E | Yes | None | 1-25 |
| 2426623 | GST Telecom Inc. | PG&E | No | | |
| 1411761 | GST Telecom Inc-Debtor in Possession | PG&E | Yes | None | 1-25 |
| 9224980 | Hearst Argyle TV Inc. (dba KSBW TV) | PG&E | Yes | >4 hours | 100 |
| 3569048 | Hearst-Argyle Stations, Inc. | Other | Yes | >4 hours | 100 |
| 6481798 | Hearst-Argyle Stations, Inc. | Other | Yes | >4 hours | 100 |
| 9777958 | Hearst-Argyle Stations, Inc. | Other | Yes | >4 hours | 100 |
| 8015917 | Heftel Broadcasting of California | SCE | Yes | >4 hours | 100 |
| 1936511 | Impulse Internet Services | SCE | No | | |
| 9358843 | Infinity broadcasting KBAY/KEZR radio | PG&E | Yes | >4 hours | 76-99 |
| 8343065 | Jefferson Pilot communications | SDG&E | Yes | 2-4 hours | 26-50 |
| 8606432 | KABC-TV - American Broadcasting Company | SCE | Yes | >4 hours | 100 |
| 2675189 | KACD Radio | SCE | No | | |
| 8609440 | KATY FM Radio | SCE | No | | |
| 2644671 | KBAK TV | PG&E | No | | |
| 387439 | KBIT TV 28 (Polar Broadcasting) | PG&E | No | | |
| 5907458 | KBVU TV Fox 29 | PG&E | No | | |
| 9656237 | KCKC RADIO | SCE | No | | |
| 6224230 | KCNS-TV SATH Inc. | PG&E | No | | |
| 3416766 | KDOC-TV | SCE | Yes | 2-4 hours | 76-99 |
| 1396960 | KERO-TV McGraw-Hill BROADCASTING | SCE | Yes | 2-4 hours | 1-25 |
| 5378130 | KERO-TV McGraw-Hill BROADCASTING | PG&E | Yes | >4 hours | 51-75 |
| 8977526 | KFI, Inc. | SCE | Yes | >4 hours | 100 |
| 2607440 | KFSN-TV | PG&E | Yes | >4 hours | 51-75 |
| 5868352 | KFSN-TV | PG&E | Yes | >4 hours | 100 |
| 1377429 | KGLW Radio | PG&E | Yes | None | 100 |
| 2754229 | KIEM-TV | PG&E | Yes | >4 hours | 100 |
| 7440203 | KIEM-TV | PG&E | Yes | >4 hours | 100 |
| 5033282 | KIXE | PG&E | Yes | >4 hours | 100 |
| 9884617 | KIXE | Other | Yes | 2-4 hours | 100 |

Table L-2. Communications applicants

| Application ID Number | Name | Utility Company | Back-up generator available? | How long will back-up generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|------------------------------|---------------------------------------|---|
| 6860674 | KNTV, Inc. | PG&E | Yes | >4 hours | 100 |
| 7004107 | KNTV, Inc. | PG&E | Yes | >4 hours | 100 |
| 3530749 | KNX 1070 Newsradio | SCE | Yes | >4 hours | 100 |
| 4566058 | KPAL-TV | SCE | Yes | <2 hours | 51-75 |
| 2599505 | KPFA Radio | PG&E | Yes | >4 hours | 100 |
| 1546801 | KPOO Radio Station Poor Peoples Radio Inc. | PG&E | No | | |
| 6638964 | KRVR Threshold Communications | PG&E | No | | |
| 2947558 | KSBW TV | PG&E | Yes | >4 hours | 100 |
| 5957659 | KSBW TV | PG&E | Yes | >4 hours | 100 |
| 430926 | KSBY-TV | PG&E | Yes | >4 hours | 76-99 |
| 4203814 | KSBY-TV | PG&E | No | | |
| 9614885 | KSEE-TV 24 | PG&E | No | | |
| 7642033 | KTASTV/R&C Enterprise | PG&E | Yes | None | 26-50 |
| 6781328 | KTEH-TV Foundation | PG&E | Yes | <2 hours | 0 |
| 2656573 | KTLW-FM (Living Way Ministries) | SCE | No | | |
| 5920733 | KUSF Radio, University of San Francisco | PG&E | Yes | >4 hours | 100 |
| 9676531 | KWRP-FM / Magic Broadcasting | SCE | Yes | <2 hours | 1-25 |
| 6747149 | KWSO Inc. dba KERI Radio | PG&E | No | | |
| 8798388 | LA Web Offsite Printing D.B.A. Zhong Guo Daily News | SCE | No | | |
| 3152898 | LA Web Offsite Printing D.B.A. Chinese LA Daily News | SCE | No | | |
| 8760851 | Loperena Antenna Sites | PG&E | No | | |
| 9334581 | Lotus Communications dba KGST RADIO | PG&E | Yes | None | 76-99 |
| 1001817 | Madera Radio Dispatch, Inc. | PG&E | Yes | 2-4 hours | 51-75 |
| 8281267 | Media Captioning Services | SDG&E | No | | |
| 4308032 | Merced Radio Partners, KYOS AM | PG&E | No | | |
| 5385912 | Metro Networks | PG&E | No | | 0 |
| 1145037 | Metro Networks / Shadow Bcast Services | SDG&E | No | None | 0 |
| 2190570 | MTE Postal | SDG&E | No | | |
| 3299121 | n/o T.Yates & V.Watts dba The Coast KOZT-FM | PG&E | Yes | >4 hours | 100 |
| 1809405 | Nevada County Community Network | PG&E | No | | |
| 6743944 | Norman A. Johannsen | PG&E | Yes | >4 hours | 51-75 |
| 3305682 | Noventa Fm 90 Inc. | SDG&E | No | | |
| 235461 | Oceanside Community Service Television Corp. KOCT | SDG&E | No | | |
| 4272784 | Pacific Bell | SDG&E | Yes | <2 hours | 1-25 |
| 7565325 | Pacific Broadcasting Co.dba KDB Radio | SCE | No | | |
| 6177800 | Pacific FM, Inc. | PG&E | Yes | >4 hours | 100 |
| 5626195 | Paso Robles Radio Ranch | PG&E | No | | |
| 4531268 | Patterson Fresno Broadcasting Corp | PG&E | No | | |
| 1831487 | Presidio Trust Telecommunications | PG&E | Yes | >4 hours | 100 |

Table L-2. Communications applicants

| Application ID Number | Name | Utility Company | Back-up generator available? | How long will back-up generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|------------------------------|---------------------------------------|---|
| 1780108 | PWM Inc. | PG&E | Yes | None | 0 |
| 9862993 | PWM Inc. | PG&E | Yes | 2–4 hours | 51–75 |
| 3963183 | R&C Productions, Inc. | SCE | No | | |
| 4391802 | Rattlesnake Mountain Communications Facility | SDG&E | Yes | >4 hours | 100 |
| 2781085 | Raytheon Company | SCE | Yes | >4 hours | 100 |
| 4411486 | RCN Telecom Services of California | PG&E | Yes | 2–4 hours | 51–75 |
| 3443621 | Regent Communications of Chico, Inc | PG&E | No | | |
| 7766131 | Result Radio of Sonoma | PG&E | No | | |
| 2920245 | Robert Adelman | SCE | No | | |
| 6121844 | Robert Adelman | SCE | No | | |
| 1799639 | Shepherd Communications/Educational Media Foundation | SCE | Yes | 2–4 hours | 100 |
| 2258013 | Shepherd Communications/Educational Media Foundation | SCE | No | | |
| 1068896 | Sonic.Net, Inc | PG&E | No | | |
| 6642931 | Sounth Coast Newspaper | SDG&E | No | | |
| 1141528 | Sprint Communications | SCE | No | | |
| 3220385 | Sprint Communications | SCE | No | | |
| 3322466 | Sprint Communications | PG&E | No | | |
| 5137194 | Sprint Communications | PG&E | No | | |
| 7151507 | Sprint Communications | SCE | No | | |
| 9141405 | Tel America Corp. DBA KAIL TV | PG&E | No | | |
| 4800433 | Tellme Networks, Inc. | PG&E | Yes | <2 hours | 100 |
| 5021990 | The Desert Sun Publishing Company | SCE | Yes | None | 1–25 |
| 3927630 | The Internext Group | SCE | Yes | >4 hours | 1–25 |
| 5720843 | The Internext Group | SDG&E | Yes | None | 1–25 |
| 8871477 | The Maynard Group | PG&E | No | | |
| 8889940 | The Salinas Californian dba Salinas Newspapers, Inc. | PG&E | No | | |
| 202044 | Time Warner Telecom | PG&E | Yes | >4 hours | 76–99 |
| 821246 | Time Warner Telecom | SCE | Yes | >4 hours | 100 |
| 2822436 | Time Warner Telecom | PG&E | Yes | >4 hours | 100 |
| 3086718 | Time Warner Telecom | PG&E | Yes | >4 hours | 100 |
| 3766039 | Time Warner Telecom | SCE | Yes | >4 hours | 100 |
| 5114916 | Time Warner Telecom | PG&E | Yes | >4 hours | 100 |
| 5670794 | Time Warner Telecom | PG&E | Yes | >4 hours | 100 |
| 6942919 | Time Warner Telecom | PG&E | Yes | >4 hours | 100 |
| 7925585 | Time Warner Telecom | PG&E | Yes | >4 hours | 100 |
| 1000200 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 100 |
| 1857122 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 100 |
| 1921862 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 100 |
| 2712987 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 100 |

Table L-2. Communications applicants

| Application ID Number | Name | Utility Company | Back-up generator available? | How long will back-up generator last? | What percentage of critical health and safety needs does back-up generator provide? |
|-----------------------|--|-----------------|------------------------------|---------------------------------------|---|
| 6364720 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 100 |
| 6892260 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 100 |
| 8534214 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 100 |
| 8936589 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 0 |
| 8992785 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 100 |
| 9926927 | Time Warner Telecom of California LP | SCE | Yes | >4 hours | 100 |
| 9900530 | Time Warner Telecom of California, L.P. | PG&E | Yes | >4 hours | 100 |
| 4917315 | Time Warner Telecom of California, LP | SCE | Yes | >4 hours | 100 |
| 8213060 | Trans America Broadcasting Corp/KTYM Radio Station | SCE | Yes | <2 hours | 51–75 |
| 7066210 | Transamerican Mailing & Fulfillment, Inc. | SDG&E | No | | |
| 2886937 | U.S. Post Office | PG&E | No | | |
| 9265154 | U.S. Post Office Dept. | PG&E | No | | |
| 1279925 | U.S. Postal Service | PG&E | No | | |
| 4395922 | U.S. Postal Service | SCE | No | | |
| 4623583 | U.S. Postal Service | SCE | No | | |
| 6452196 | U.S. Postal Service | SCE | No | | |
| 7595690 | U.S. Postal Service | SCE | No | | |
| 7664660 | U.S. Postal Service | SCE | No | | |
| 8349016 | U.S. Postal Service | SCE | No | | |
| 9685381 | U.S. Postal Service | SCE | No | | |
| 6597874 | U.S. Postal Service North Bay P&DC | PG&E | Yes | None | 0 |
| 1784838 | U.S. Postal Service West Branch Station | SCE | No | | |
| 7569140 | U.S. Postal Service, Anaheim P&DF | Other | No | | |
| 1129321 | UTV of San Francisco Inc. dba KBHK-TV | PG&E | No | | |
| 8714617 | Valley Media Co/Educational Media Foundation dba K-LOVE Radio | PG&E | Yes | 2–4 hours | 100 |
| 6409167 | Valley Public Television, Inc. | PG&E | No | | |
| 609607 | Van Isle Avionics of California | SDG&E | No | | |
| 8663195 | Visalia Times-Delta | SCE | No | | |
| 824603 | Wavelength Technologies, Inc., dba Allied Radio Communications | PG&E | No | None | 100 |
| 8167742 | Wavelength Technologies, Inc., dba Allied Radio Communications | PG&E | No | 2–4 hours | 100 |
| 8590105 | Westcoast Broadcasting Inc. KJUG AM/FM & KCRZ | SCE | No | | |
| 3055895 | Westlink Wireless | SCE | No | | |
| 9879015 | Westwood One Radio Networks, Inc. | SCE | No | | |
| 2634753 | White Ash Broadcasting, Inc. | PG&E | No | | |
| 5884417 | Wilco Inc. Certified Phone | SCE | No | | |
| 9288805 | Winterlink, Inc. | PG&E | No | | |
| 5684374 | Wisdom Broadcasting Co DBA KRML Radio | PG&E | No | | |