



# ELECTRIC GENERATION SYSTEM PROGRAM SPECIALIST II

**Exam Code: 8ERAF**

**Department:** California Energy Commission

**Exam Type:** Departmental, Open

**Final Filing Date:** Continuous

## Classification Details

**Electric Generation System Program Specialist II** - \$9,341 - \$11,690\* (As of July 1, 2019) (This classification receives a monthly \$300.00 retention bonus. This bonus is not part of the official salary and does not count toward determining retirement benefits.)

\*The salary listed does not include a monthly reduction in salary of 9.23% effective July 1, 2020 through June 30, 2022.

View [the Electric Generation System Program Specialist II classification specification](#)

## Filing Instructions

**CONTINUOUS TESTING – NO FINAL FILING DATE** – Testing is considered continuous as standard State applications (STD 678) and T&E Questionnaires will be accepted on a continuous basis.

Standard State applications and T&E Questionnaires will be reviewed and scored on the 1<sup>st</sup> and 15<sup>th</sup> of every month.

Once you have taken the T&E Questionnaire examination, you may not retest for **six (6) months**. Applications and/or resumes submitted via facsimile (FAX) machines, or electronically mailed (e-mail) will not be accepted.

### **Who Should Apply:**

Applicants who meet the minimum qualifications as stated on this bulletin may apply for and take this examination.

### **How to Apply:**

A mandatory T&E Questionnaire must be completed and submitted with a [Standard State application \(STD 678\)](#). Applications received without the T&E Questionnaire or vice versa will not be accepted. Resumes will not be accepted in lieu of a STD 678.

The T&E questionnaire is located at the end of this bulletin.

### **FILE BY MAIL OR IN PERSON AT:**

California Energy Commission  
Selection Services Office  
1516 Ninth Street, MS #52  
Sacramento, CA 95814

### **FILE ELECTRONICALLY:**

You may submit your Standard State Application (STD 678) and completed Training & Experience (T&E) examination to [SelectionsOffice@energy.ca.gov](mailto:SelectionsOffice@energy.ca.gov)

Please do not submit the forms with your social security number due to security reasons. Both documents require a signature (original or electronic) in order to be accepted. By submitting your signed application and examination documents to the email above, you are certifying the information is true and correct and you are the one completing and submitting the documents.

Indicate the Examination Code and Classification(s) on your Examination/Employment Application (STD 678).

In order to expedite the application review process, when completing the standard State application make sure to provide a full description of duties performed.

**DO NOT SEND T&E QUESTIONNAIRE AND STANDARD STATE APPLICATION TO THE CALIFORNIA DEPARTMENT OF HUMAN RESOURCES.**

### **Special Testing Arrangements**

If you have a disability and need special testing arrangements, mark question #10 on the standard State application (STD 678) and submit an [Accommodation Request \(STD 679\)](#).

You will be contacted to make specific arrangements.

## Contact Information

If you have any questions concerning this examination bulletin, including provision of reasonable accommodation for this testing process, please contact:

California Energy Commission  
Selection Services Office  
1516 9<sup>th</sup> Street  
Sacramento, CA 95814  
Phone: (916) 653-6532  
Email: [SelectionsOffice@Energy.ca.gov](mailto:SelectionsOffice@Energy.ca.gov)

California Relay Service: 1-800-735-2929 (TTY), 1-800-735-2922 (Voice)

TTY is a Telecommunications Device for the Deaf, and is reachable only from phones equipped with a TTY Device.

## Requirements for Admittance into the Examination

It is your responsibility to make sure you meet the education and/or experience requirements stated below when submitting your T&E Questionnaire and standard State application. Your signature on your application indicates you have read, understood and possess the basic qualifications required. **All applications must include: “to” and “from” dates (month/day/year); time base (full-time/part-time/number of hours per week/month); and civil service class titles where applicable. Applications received without this information will be rejected.**

## Examination Scope

**TRAINING AND EXPERIENCE QUESTIONNAIRE – WEIGHTED 100%.** The examination will consist solely of a Training and Experience (T&E) Questionnaire. To obtain a position on the eligible list, a minimum score of 70% must be obtained.

Once you have taken the T&E Questionnaire examination, you may not retest for **six (6) months**.

**Veteran’s Preference points will be granted in this examination.**

**Career Credits will not be accepted in this examination.**

Questions in the T&E Questionnaire are designed to test broad knowledge of the topic under consideration and candidates should be prepared to respond to a wide variety of issues, both technical and procedural.

## Preparing for the Examination

Here is a list of suggested resources to have available prior to taking the exam.

**Employment History:** Employment dates, job titles, organization names and addresses, names of supervisors or persons who can verify your job responsibilities, and phone numbers of persons listed above.

**Education:** School names and addresses, degrees earned, dates attended, courses taken (verifiable on a transcript), persons or office who can verify education, and phone numbers of persons or offices listed above.

**Training:** Class titles, certifications received, names of persons who can verify your training, and phone numbers of persons listed above.

## Minimum Qualifications

All applicants must meet the education and/or experience requirements as stated on this exam bulletin to be accepted into the examination. Part-time or full-time jobs, regardless of whether paid or volunteer positions, and inside or outside California state service will count toward experience.

Experience applicable to one of the following patterns may be combined on a proportional basis with experience applicable to the other pattern to meet the total experience requirement. Please note: When combining patterns all experience converts to the largest experience requirement.

### All Levels:

The following education is required when non-California state service experience is used to qualify at any level:

Education: Equivalent to graduation from college. (Additional experience may be substituted for the required education on year-for-year basis.)

### Pattern I

One year of experience in the California state service performing electric generation system planning duties in a class with a level of responsibility equivalent to that of Electric Generation System Program Specialist I; **OR**

Two years of experience in the California state service performing pertinent energy related duties of a class at a level of responsibility equivalent to Electric Generation System Specialist I.

**OR**

## **Pattern II**

Experience: Five years of progressively responsible technical energy experience in electric generation system planning, design, evaluation, or operation including four years of experience above the trainee level. A Master's Degree in Engineering, Environmental Sciences, Mathematics, Economics, Computer Sciences or other closely related field, may be substituted for one year of the required experience. Individuals with two different recognized graduate degrees (each of which constitutes a full degree program in one of the areas shown above) may substitute this achievement for two years of experience.

(Experience in the California state service applied toward this pattern must include one year of experience in a class at a level of responsibility at least equivalent to Electric Generation System Program Specialist I.)

## **The Position**

The positions are identified by top Commission management as requiring the service of the most highly skilled practitioners who serve as prime resource persons and innovators in the subject matter. Positions in this class are not supervisory.

**Positions exist in Sacramento with the California Energy Commission.**

## **Knowledge and Abilities**

### **A. Knowledge of:**

1. California Public Resources Code pertaining to energy conservation and development.
2. Design and operation of existing electrical generating facilities (nuclear, coal, oil, combustion, and hydro).
3. Advanced electrical generating technologies.
4. Environmental and economic aspects of various fuel types.
5. Generation expansion modeling techniques and approaches.
6. Electricity system planning and operations.
7. Power system economics alternative generation technologies.
8. Environmental consequences of generation facility construction and operation.
9. Principles, practices and trends of management and supportive services such as budget, personnel, planning, program evaluation or related areas.
10. Principles and practices of employee supervision, development and training.
11. Program management.
12. Formal and informal aspects of the legislative process.
13. The administration and environmental goals and policies.
14. Governmental functions and organization at the State and local level.

15. Commission's Equal Employment Opportunity (EEO) program objectives.
16. A manager's role in the Equal Employment Opportunity (EEO) Program and the processes available to meet Equal Employment Opportunity (EEO) objectives.

**B. Ability to:**

1. Evaluate alternative generation methods.
2. Develop viable resource plans and supply mix strategies.
3. Analyze environmental and economic impacts.
4. Evaluate utility proposed resource plans for compatibility with electrical demand forecast.
5. Design and use mathematical modeling techniques for use in generation system planning.
6. Develop and present oral and written testimony in resource planning and environmental impacts.
7. Analyze energy and electricity data and develop technical information both orally and in writing.
8. Consult with and advise Office Managers, Division Administrators and Commissioners on a wide variety of electric generation system planning subject-matter areas.
9. Coordinate the work of others.
10. Act as a team or conference leader.
11. Reason logically and creatively and utilizes a variety of analytical techniques to resolve complex managerial problems.
12. Review and edit written reports.
13. Utilize interdisciplinary teams effectively in the conduct of studies.
14. Manage a complex energy program.
15. Establish and maintain project priorities.
16. Develop and effectively utilize all available resources.
17. Effectively contribute to the Commission's Equal Employment Opportunity (EEO) objectives.

## **Eligible List Information**

A departmental open, merged eligible list will be established for the California Energy Commission. This examination will be administered on a continuous basis. The names of successful competitors will be merged onto the eligible list in order of final scores regardless of test dates. Eligibility expires 12 months after it is established.

## Equal Opportunity Employer

The State of California is an equal opportunity employer to all, regardless of age, ancestry, color, disability (mental and physical), exercising the right of family care and medical leave, gender, gender expression, gender identity, genetic information, marital status, medical condition, military or veteran status, national origin, political affiliation, race, religious creed, sex (includes pregnancy, childbirth, breastfeeding, and related medical conditions), and sexual orientation.

## Drug-Free Statement

It is an objective of the State of California to achieve a drug-free State work place. Any applicant for State employment will be expected to behave in accordance with this objective, because the use of illegal drugs is inconsistent with the law of the State, the rules governing civil service, and the special trust placed in public servants.

## General Information

Examination and/or Employment Application (STD 678) forms are available at the California Department of Human Resources, local offices of the Employment Development Department, and through your [CalCareer Account](#).

If you meet the requirements stated on this examination bulletin, you may take this examination, which is competitive. Possession of the entrance requirements does not assure a place on the eligible list. Your performance in the examination described in this bulletin will be rated against a predetermined job-related rating, and all applicants who pass will be ranked according to their score.

The California Energy Commission reserves the right to revise the examination plan to better meet the needs of the service, if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service laws and rules and all applicants will be notified.

**General Qualifications:** Applicants must possess essential personal qualifications including integrity, initiative, dependability, good judgement, the ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required. In open examinations, investigation may be made of employment records and personal history and fingerprinting may be required.

**Eligible Lists:** Eligible lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) servicewide promotional, 5) departmental open, 6) open. When there are two lists of the same kind, the older must

be used first. Eligible lists will expire in one to four years unless otherwise stated on the bulletin.

**High School Equivalence:** Equivalence to completion of the 12<sup>th</sup> grade may be demonstrated in any one of the following ways: 1) passing the General Education Development (GED) Test; 2) completion of 12 semester units of college-level work; 3) certification from the State Department of Education, a local school board, or high school authorities that the competitor is considered to have education equivalent to graduation from high school; or 4) for clerical and accounting classes, substitution of business college work in place of high school on a year-for-year basis.

**Veteran's Preference:** California law allows the granting of Veteran's Preference to any veteran, widow, or widower of a veteran, or spouse of a 100% disabled veteran who achieves a passing score in any Open examination to be ranked in the top rank of the resulting eligibility list. Directions to apply for Veteran's Preference are on the Veteran's Preference Application ([CalHR 1093](#)) which is available from Department of Human Resources at [jobs.ca.gov/CalHRPublic/Landing/Jobs/VeteransInformation.aspx](http://jobs.ca.gov/CalHRPublic/Landing/Jobs/VeteransInformation.aspx) and the California Department of Veterans Affairs at [www.calvet.ca.gov/home](http://www.calvet.ca.gov/home). Veteran's Preference is not granted once a person achieves permanent civil service status.





## ELECTRIC GENERATION SYSTEM PROGRAM SPECIALIST II TRAINING AND EXPERIENCE EXAMINATION

### HOW TO COMPLETE YOUR TRAINING & EXPERIENCE EXAMINATION:

- Read the instructions on the Training & Experience Examination carefully before you begin.
- Please note that your overall score will be determined solely by the information you provide on this Training & Experience Examination Information on your application will not be used to determine your final score.
- Please utilize the checklist below to complete the (2) two sections in the examination.
  - Section 1: Task Ratings**
    - **EXPERIENCE/EDUCATION:** Using the Experience/Education Scale, select the option that corresponds with the total number of years you have performed the item.
    - **FREQUENCY:** Using the Frequency Scale, select the option that corresponds with the number of times you have performed the item.
  - Section 2: Knowledge, Skills, and Abilities (KSAs) Ratings**
    - **EXPERIENCE/EDUCATION:** Using the Experience/Education Scale, select the option corresponds with the total number of years you have applied the item.
  - Signature**
    - Failure to include an original signature on page 3 of the examination may result in disqualification.

**Note: This examination was reformatted in order to be compliant with the Americans with Disabilities Act (ADA) in March 2020. The items on this examination are the same as the previous version.**

**Name:** \_\_\_\_\_

Please submit your completed Training & Experience Examination, along with a State Application (STD. 678) as follows:

**Mail or hand deliver to:**

California Energy Commission  
Selection Services Office  
1516 Ninth Street, MS-52  
Sacramento, CA 95814  
(916) 653-6532

**File Electronically:**

You may submit your Standard State Application (STD 678) and completed Training & Experience (T&E) examination to [SelectionsOffice@energy.ca.gov](mailto:SelectionsOffice@energy.ca.gov)

Please do not submit the forms with your social security number due to security reasons. Both documents require a signature (original or electronic) in order to be accepted. By submitting your signed application and examination documents to the email above, you are certifying the information is true and correct and you are the one completing and submitting the documents.

**Read instructions carefully**

The California civil service selection system is merit-based and eligibility for appointment is established through a formal examination process. The Electric Generation System Program Specialist II examination consists of a Training & Experience Examination used to evaluate your education, training, and experience. The eligible list resulting from this examination process will be used by the California Energy Commission to fill their existing positions.

**This Training & Experience Examination will account for 100% of the weight of your examination for this classification. Therefore, please be sure to follow the instructions carefully.**

Candidate's Name: \_\_\_\_\_

Social Security Number (Do not submit via e-mail): \_\_\_\_\_

Address: \_\_\_\_\_

Home Phone Number: \_\_\_\_\_

Work Phone Number: \_\_\_\_\_

Cellular Phone Number: \_\_\_\_\_

Name: \_\_\_\_\_

**CERTIFICATION – IMPORTANT – PLEASE READ CAREFULLY BEFORE SIGNING** – if not signed, this examination may be disqualified.

Before a final score is determined, your responses to exam questions will be verified. An exams manager or personnel staff member may contact the individuals or educational institutions you have provided to confirm job dates, experience, duties, achievements, and/or possession of knowledge, skills, and abilities. Failure to provide adequate employment and/or education information may result in a low score or disqualification from this examination.

If it is determined at any time that you have made any false or inaccurate representations in any of the information you have provided on this examination, you may be disqualified from this process, removed from the certification list(s), suffer a loss of State employment, and/or suffer a loss of the right to compete in any future State of California hiring processes. You are solely responsible for the accuracy of the responses provided.

This warning has been provided to protect your rights as a job candidate as well as the rights of the department. Be advised that you are expected to answer truthfully and accurately.

**I certify and understand that all statements I have made in this examination are true and complete to the best of my knowledge and contains no willful misrepresentation of falsifications. Failure to include original signature may result in disqualification.**

\_\_\_\_\_  
**Signature**

\_\_\_\_\_  
**Date**

Name: \_\_\_\_\_

### MINIMUM QUALIFICATIONS

**Each candidate must meet the minimum qualifications on his/her application by the date it is received. If not, the candidate's application in the examination process will be rejected and his/her Training and Experience Examination will not be scored. Please ensure that your State Application (STD. 678) clearly indicates your education, experience, and licensure information reflective of the minimum qualifications for this examination process as stated below:**

The following education is required when non-California state service experience is used to qualify at any level.

Equivalent to graduation from college. Additional experience may be substituted for the required education on a year-for-year basis.

#### **Either I:**

One year of experience in the California state service performing electric generation system planning duties in a class with a level of responsibility equivalent to that of Electric Generation System Specialist I; **OR**

Two years of experience in the California state service performing pertinent energy related duties of a class at a level of responsibility equivalent to Electric Generation System Specialist I.

#### **Or II:**

Experience: Five years of progressively responsible technical energy experience in electric generation system planning, design, evaluation, or operation, including four years of experience above the trainee level. A Master's Degree in Engineering, Environmental Sciences, Mathematics, Economics, Computer Sciences or other closely related field may be substituted for one year of the required experience. Individuals with two different recognized graduate degrees (each of which constitutes a full degree program in one of the areas shown above) may substitute this achievement for two years of experience.

(Experience in the California State service applied toward this pattern must include one year of experience in a class at a level of responsibility at least equivalent to Electric Generation System Program Specialist I).

Name: \_\_\_\_\_

## Section 1: Task Rating

Respond to each of the following items by indicating how the statement applies to you. Please reference any paid and/or unpaid experience (e.g., employment, training, education, volunteer work, etc.). You are required to respond to every question with **one** selected answer. Questions marked with more than one answer or left blank will be marked incorrect.

**1.) Provide technical direction and participate in joint studies with other state or federal agencies on the structure and performance of the electricity system to ensure the analytical rigor of analysis; conduct and/or review technical analysis and develop findings and recommendations; and/or coordinate program activities and analysis with other regulatory agencies to ensure active inter-agency participation in Energy Commission proceedings and stakeholder processes.**

**1a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**1b.) How many times have you performed the above task? (Choose one)**

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

**2.) Monitor regulatory proceedings that affect energy markets, (e.g., California Public Utilities Commission [CPUC], California Air Resources Board [CARB], California Independent System Operator [CAISO], and Federal Energy Regulatory Commission [FERC] to provide pertinent regulatory information on electricity system planning and operation, developments in electricity sector, and emerging trends to Energy Commission staff and Commissioners; and/or provide written and/or oral summaries and analysis of information gathered to the Executive Office and Commissioners as directed.**

**2a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than four years
- B. More than three years and up to four years
- C. More than two years and up to three years
- D. More than one year and up to two years
- E. One year or less

Name: \_\_\_\_\_

2b.) How many times have you performed the above task? (Choose one)

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

3.) Independently plan, organize, and conduct economic analyses of investment decisions for electric generation and transmission for California under various policy, economic, and regulatory environments under the direction of the office management, sometimes using contract resources.

3a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

3b.) How many times have you performed the above task? (Choose one)

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

4.) Responsible for independently planning, organizing and conducting complex analysis and studies on technical aspects of electricity system planning and operations including the development of workplans, project descriptions, analytical approach and data needs, specific work products, timelines, and staffing and other resource needs.

4a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

4b.) How many times have you performed the above task? (Choose one)

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

Name: \_\_\_\_\_

**5.) Plan, organize and conduct analyses related to economic impacts and risks associated with generation portfolios and alternatives to generation resources (e.g., energy efficiency, demand response, distributed generation, and energy storage, etc.).**

**5a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**5b.) How many times have you performed the above task? (Choose one)**

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

**6.) Independently plan, organize, and conduct complex economic benefit and cost effectiveness analyses of electricity technologies and alternative electric generation methods.**

**6a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**6b.) How many times have you performed the above task? (Choose one)**

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

Name: \_\_\_\_\_

7.) Independently plan, organize, and implement methodologies to develop projections of future electricity system operations and costs, accounting for the effects of developments in state energy policies and regulations, energy markets, economic conditions, and electricity demand.

7a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

7b.) How many times have you performed the above task? (Choose one)

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

8.) Serve as a subject matter expert on electricity system planning and operations (e.g., market conditions for energy and fuels and their potential effect on the electricity system, impact of state and federal energy and environmental policies on electricity system operations, etc.).

8a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

8b.) How many times have you performed the above task? (Choose one)

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task



Name: \_\_\_\_\_

9.) Provide guidance to technical staff on the compilation of data into datasets to facilitate its analysis; independently, or in collaboration with the other technical staff, undertake analysis of quantitative data; and/or provide written/oral summaries of findings and conclusions for other technical staff and management.

9a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

9b.) How many times have you performed the above task? (Choose one)

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

10.) Upon request by technical staff or at the direction of the Deputy Director, provide formal training to Electric Generation System Program Specialist II (EGSPS II), Electric Generation System Specialist I (EGSS I), and Energy Analyst staff.

10a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

10b.) How many times have you performed the above task? (Choose one)

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

Name: \_\_\_\_\_

**11.) Prepare oral and written presentations, reports and/or testimony to provide decision-makers and the public with information on the electricity system planning and operations (e.g., economic benefits, performance, and environmental attributes of electricity technologies and alternative electric generation methods, etc.).**

**11a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**11b.) How many times have you performed the above task? (Choose one)**

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

**12.) Analyze methods to integrate new and emerging technologies, including generation, energy efficiency, demand response, storage, transportation electrification and/or other emerging technologies into the electricity and natural gas systems in California.**

**12a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**12b.) How many times have you performed the above task? (Choose one)**

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

Name: \_\_\_\_\_

**13.) Assess techniques for incorporating cost, operational characteristics, and environmental information within electricity modeling (i.e., production cost or capacity expansion models, etc.) to consider when analyzing infrastructure alternatives for the general public, planners and decision makers.**

**13a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**13b.) How many times have you performed the above task? (Choose one)**

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

**14.) Evaluate infrastructure (e.g., electric generation, transmission, and distribution system, etc.) needs of California under various economic, policy and regulatory scenarios over planning periods of varying lengths, identify additions needed to capture cost reductions and system reliability benefits for ratepayers and achieve the State's energy policy goals, greenhouse gas emission reduction goals, and adaption of California's electricity system to climate change.**

**14a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**14b.) How many times have you performed the above task? (Choose one)**

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

Name: \_\_\_\_\_

**15.) Evaluate opportunities for generation and transmission infrastructure development throughout broad geographic areas of California and the Western United States, assess the feasibility of renewable resource development across California and the Western Electricity Coordinating Council (WECC), monitor electric generation project proposals and assess the feasibility of their development.**

**15a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**15b.) How many times have you performed the above task? (Choose one)**

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

**16.) Conduct analysis of proposed legislation that affects California's electricity sector including proposals that change market structure and impose new regulatory requirements, assess the potential economic and environmental impact of the legislation and its implications for system reliability, and write and/or review bill analysis highlighting technical concerns, and provide technical input to legislative staff in writing or in person as directed by management.**

**16a.) Which of the following BEST describes how many years of experience/training/education you have performing the above task? (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**16b.) How many times have you performed the above task? (Choose one)**

- A. 10 or more times
- B. 6-9 times
- C. 2-5 times
- D. At least 1 time
- E. I have never performed this task

Name: \_\_\_\_\_

## Section 2: Knowledge, Skills, and Abilities (KSAs) Ratings

Respond to each of the following items by indicating how the statement applies to you. Please reference any paid and/or unpaid experience (e.g., employment, training, education, volunteer work, etc.). You are required to respond to every question with **one** selected answer. Questions marked with more than one answer or left blank will be marked incorrect.

**17.) Skill to work effectively as part of a group to complete work tasks and assignments collaboratively. I have applied this skill for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**18.) Skill to work independently to prioritize and complete work activities with minimal supervision. I have applied this skill for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**19.) Ability to facilitate products that are accurate, objective, timely, and useful in completing the Energy Commission's responsibilities. I have applied this ability for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**20.) Skill to use a computer and appropriate software, as well as the internet and library catalogs, to locate sources of electricity system information. I have applied this skill for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

Name: \_\_\_\_\_

**21.) Knowledge of the responsibilities and functions of other state energy and environmental agencies and their implications for analysis and workload. I have applied this knowledge for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**22.) Knowledge of basic project management tools and techniques and ability to serve as project lead. I have applied this knowledge for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**23.) Skill to use appropriate software to develop or apply models of electricity system operations and costs. I have applied this skill for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**24.) Ability to develop and present written and oral presentations and reports on technical issues. I have applied this ability for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**25.) Ability to synthesize and communicate complicated technical information in a simple format for the general public. I have applied this ability for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

Name: \_\_\_\_\_

**26.) Knowledge of proper spelling, grammar, punctuation, and sentence structure to ensure that written materials meet the Energy Commission's standards for written material. I have applied this knowledge for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**27.) Skill to create figures, graphs, and charts. I have applied this skill for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**28.) Knowledge of balancing authority roles and responsibilities, including CA ISO operations and markets, and technological issues facing grid operators. I have applied this knowledge for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**29.) Knowledge of basic concepts and issues in electricity system planning and operation. I have applied this knowledge for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**30.) Ability to identify and evaluate potential impacts of current or proposed legislation, policy proposals, and economic trends on the electric system costs and operation. I have applied this ability for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

Name: \_\_\_\_\_

**31.) Ability to apply economic theory to the analysis of electricity system planning and operations and energy markets. I have applied this ability for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**32.) Ability to evaluate viable resource plans and supply mix strategies and evaluate utility resource plans for compatibility with state policy. I have applied this ability for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**33.) Knowledge of state and federal energy and environmental policies and goals and their implications for analysis and data needs. I have applied this knowledge for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**34.) Knowledge of emerging renewable technologies, barriers, grid integration issues, and potential solutions. I have applied this knowledge for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**35.) Ability to assess the implications of proposed policies, regulations and legislation for office, division and/or inter-division analysis and workload. I have applied this ability for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months



Name: \_\_\_\_\_

**36.) Knowledge of production cost models and other software to simulate electricity system operations and costs. I have applied this knowledge for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**37.) Ability to characterize regional and national energy policies in energy models. I have applied this ability for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months

**38.) Skill to review, critique, integrate and summarize technical work products prepared by others and to edit analytical results prepared by contractor or staff, integrate analysis into other documents and products. I have applied this skill for: (Choose one)**

- A. More than five years
- B. More than three years and up to five years
- C. More than one year and up to three years
- D. More than six months and up to one year
- E. Zero to six months