



ELECTRIC GENERATION SYSTEM PROGRAM SPECIALIST III

Exam Code: 8ERAG

Department: California Energy Commission

Exam Type: Departmental, Open

Final Filing Date: Continuous

Classification Details

Electric Generation System Program Specialist III - \$10, 814 - \$12,273* (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 III 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 1st and 15th 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

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 9th Street
Sacramento, CA 95814
Phone: (916) 653-6532
Email: 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 II; **OR**

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

OR

Pattern II

Experience: Six years of progressively responsible technical energy experience in electric generation system planning, design, evaluation, or operation, including five 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 II.)

The Position

The positions are identified by top Commission management to be occupied by an individual who is widely recognized as having distinguished herself/himself in electric generation systems and who will serve as the Commission's top advisor in that field. 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 12th 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 and the California Department of Veterans Affairs at www.calvet.ca.gov/home. Veteran's Preference is not granted once a person achieves permanent civil service status.



ELECTRIC GENERATION SYSTEM PROGRAM SPECIALIST III

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

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 III 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 Program Specialist II; **OR**

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

Or II

Experience: Six years of progressively responsible technical energy experience in electric generation system planning, design, evaluation, or operation, including five 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 equivalent to Electric Generation System Program Specialist II.)

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.) Plan, organize, and conduct engineering and economic studies of California's electricity system to assess and understand investment decisions by utilities, developers, and equipment manufacturers based on development costs, wholesale and retail price implications, new market products and services, electricity system reliability requirements, environmental performance, and policy alternatives.

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.) Lead efforts to analyze and evaluate emission displacement factors and their impacts on California's electric grid resources; establish and participate in interdisciplinary and interdivisional teams to gather information, develop, and document emission conversion factors and displacement metrics used at the Energy Commission.

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 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

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.) Serve as a subject matter expert on electricity system planning and operations including 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; and other factors that affect the electricity industry.

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.) Serve as subject matter expert on integrated electricity and gas infrastructure system planning and assessment, including identifying potential reliability concerns that affect either or both systems, assessing the likelihood and potential impacts of supply or other system constraints, and developing emergency response and mitigation plans.

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

Name: _____

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

5.) 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; coordinate program activities and analysis with other regulatory agencies to ensure active inter-agency participation in Energy Commission proceedings and stakeholder processes.

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.) Oversee the finalization of the most complex project reports, fact sheets, and other documents to disseminate technical results and lessons learned to Commissioners, management, staff, Legislative bodies and others, with a focus on transferring information that provides significant public benefits to California and meet the State's energy policies and goals.

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

Name: _____

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

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

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.) Using statistical software and hourly load research data, apply mathematical, statistical, and econometric modeling techniques to estimate the effect of changes in the temporal patterns of electric system costs and rates on electricity usage patterns.

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

Name: _____

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

9.) Conduct analysis using electricity system models and results and perform analytical studies of renewable energy integration and electric system reliability issues, landscape level geographic development considerations, and supporting transmission and distribution system needs that contribute to achieving California energy and environmental goals for the general public and decision makers.

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.) Evaluate and assess renewables resource attributes and values over geographic areas to determine new electric generation operational capabilities for meeting state energy and environmental goals.

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

Name: _____

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

11.) Review generation technology characterizations and operational characteristics including central station and distributed energy resource technologies including vehicle to grid, and assess their impacts on electricity system reliability requirements.

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.) Evaluate trends and frame what the electric system is likely to look like under various policy, economic and regulatory environments and identify improvements needed to the electric system to best capture cost reductions, health and safety, and system reliability benefits for ratepayers and achieve the State's energy policy goals, greenhouse gas emission reduction goals, and adaption/resilience of California's electricity system to climate change.

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

Name: _____

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

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

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.) Develop detailed characterizations of existing and proposed electricity generation sources based on engineering and economic analysis and conduct engineering and economic studies of system-wide investments necessitated by or associated with distributed generation, combined heat and power, and storage systems, demand response renewable generation.

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

Name: _____

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

15.) Design and conduct technical studies on electric system performance, environmental and economic aspects of various industry structures, power system economics, furtherance of California energy policies including greenhouse (GHG) reductions, and electric system reliability; prepare or assist in the preparation of detailed, written reports on these and other aspects of electricity system planning and operation for publication.

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.) Participate or collaborate as a subject matter expert in regulatory proceedings and stakeholder processes related to the electricity industry and/or coordinate the participation of other Commission staff in the proceedings; prepare and present relevant technical information or analysis in comments and/or expert witness testimony.

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

Name: _____

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

Continue to Knowledge, Skills and Abilities section on the next page

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 prioritize work tasks according to short-term demands and long-term goals and objectives. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

18.) 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

19.) Ability to develop and present written and oral presentations and reports to decision-makers and inter-agency teams. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

20.) 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

21.) Knowledge of basic project management tools and techniques. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

Name: _____

22.) Ability to plan, organize, and conduct technical, engineering, and economic studies of California's electricity system. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

23.) Ability to work effectively with Commissioners, Executive Management, Deputy Directors, Office managers and supervisors, senior technical staff, contract consultants, and other staff and persons working on collaborative projects. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

24.) Knowledge of electricity system reliability requirements. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

25.) Knowledge of state energy and environment policy driving changes to and its impact on 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

26.) Knowledge of regional and national energy policy and its impact on the state's energy sector. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

Name: _____

27.) Ability to design, organize resources, and lead complex projects to a useful conclusion.

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

28.) Ability to communicate complex modeling issues, analyses, and study results at the level appropriate to agency decision-makers and the 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

29.) Knowledge of system issues associated with associated with distributed generation, combined heat and power, storage and intermittent renewable generation.. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

30.) Knowledge of power system modeling techniques. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

31.) Skill to perform varied, difficult, and complex technical analyses. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

Name: _____

32.) Ability to analyze natural gas and electricity data using personal computer and modeling software. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

33.) Ability to evaluate emerging electric technologies and potential issues with integrating technologies with the electric grid. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

34.) 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 knowledge for: (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

35.) Knowledge of California electric generation system and function and role of utilities, CAISO and regional grid. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

36.) Ability to analyze energy, electricity, and economic data and present technical information both orally and in writing. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

Name: _____

37.) Skill to create 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

38.) Skill to use spreadsheet and database software to input, store, organize, and process data and 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months

39.) Skill to review draft reports, identify key issues, and propose changes to make communication more effective. 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 years and up to three years
- D. More than six months and up to one year
- E. Zero to six months