

**CLASS TITLE: PUBLIC UTILITIES ENGINEERING
SPECIALIST I**

**Class Code: 02776400
Pay Grade: 25A
EO: B**

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To perform routine and complex engineering analyses in all utility matters to insure effective and efficient utility operations, including; investigations of engineering-related problems; the resolution of billing and service complaints from consumers and public officials; the collection and analysis of pertinent data and statistics to justify any rate modifications; the determination of need for new constructions and/or maintenance/repair to existing facilities; and compliance to laws, rules, regulations and established engineering standards for operation by such utilities; and to do related work as required.

SUPERVISION RECEIVED: Works under the supervision of a superior with latitude for the exercise of initiative and independent judgement; assignments are received in outline form and are subject to review upon completion through conferences and submitted reports, for results obtained and compliance with laws, rules, regulations and agency policies.

SUPERVISION EXERCISED: May supervise technical or clerical personnel assigned to assist.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To perform a variety of engineering work in all utility matters to insure effective and efficient utility operations.

To investigate and evaluate utility plant and equipment, involving such engineering-related problems as: determination of present adequacy of plant and equipment, as well as current methods and means of delivery of services, in order to insure efficient, continuous and safe services.

To evaluate construction of new facilities and maintenance of existing facilities.

To collect and analyze relevant engineering data and statistics to determine present valuations of utility properties and/or equipment, relative to original valuations, in order to justify submitted rate modifications.

To participate in any hearings between the Public Utilities Commission (PUC), Division of Public Utilities and Carriers (DPUC), the utility and the consuming public.

To investigate billing and service complaints from consumers and/or public officials relative to existing services or requested services, as well as relevant management problems.

To make investigations or determine utility compliance with state laws and accepted engineering standards of operations, as well as the policies, rules and regulations of the PUC and the DPUC.

To acquire understanding of all applicable utility rates and assist with consumer problem resolution.

As directed, to assist the DPUC on engineering and policy matters at public meetings or state, regional and federal committees.

To meet with utility personnel and/or their consultants to review with them all engineering, statistical and other technical data presented by the utility in support of a rate modification; to verify and validate submitted material and data to determine the need for such and adjustment; and to submit findings, conclusions and recommendations, in written report form, to the DPUC/PUC.

As directed, to serve as a consultant on utility matters pertaining to hearings conducted by the PUC or DPUC.

To coordinate engineering-related activities that represent the official agency position, and to organize, compile and summarize all relevant engineering, statistical and technical data and findings utilized in support of DPUC position.

As requested, to conduct special engineering-related studies on matters requiring engineering expertise.

To assist in developing testimony at hearings on utility matters under review.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of the fundamental principles and practices of engineering in all utility specialization's, and the ability to apply such knowledge to relevant engineering problems encountered in the construction, maintenance, repair and operation of a utility; a working knowledge of state and applicable federal laws, rules and regulations and accepted engineering standards of operation relative to regulated utility activities, and the ability to enforce same; a working knowledge of applicable utility rates; the ability to conduct field investigations and inspections relative to the engineering aspects of a utility operation to determine the adequacy of existing or the need for additional facilities and/or equipment, the justification for approving requested rate schedule changes, and the resolution of public complaints concerning the application of rates, services and practices, and to prepare summaries and reports thereon including recommendations; the ability to testify on engineering matters at formal and informal hearings; the ability to establish and maintain an effective working relationship with superiors, public utility personnel and the public; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: graduation from a college of recognized standing with a Bachelor's Degree in Civil, Electrical or Mechanical Engineering, or a closely related field; and

Experience: Such as may have been gained through: employment in the field of civil, electrical or mechanical engineering; or, employment in the development of engineering analyses of public utilities.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

Class Created: March 28, 1999

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