PUBLIC UTILITIES STATISTICAL ANALYST 4

KIND OF WORK

Designs complex statistical/econometric models for analyzing data used to support rate design, rate of return, financial analysis and engineering studies and recommendations in conjunction with the rate and service regulation of large gas, electric and telephone utilities companies and serves as a lead worker in providing technical supervision for lower level analysts.

NATURE AND PURPOSE

An employee in this class is responsible for the design of complex statistical/econometric models for analyzing economic, financial and engineering numerical data used to support the department's position in public utility regulation rate and service matters. The incumbent provides technical supervision to other lower level analysts involved in the design of computer based statistical/econometric models. The employee is responsible for testifying in public utility rate case hearings on the most complex statistical issues involving atypical unique problems. The position involves the development and delivery of testimony for public hearings, responding to cross-examination and assisting legal counsel in both preparing cross-examination questions and preparation of written legal briefs. Written testimony will be clear, concise, articulate, easily understandable, well-documented, grammatically accurate and will fully and completely discuss the issues addressed and the rationale for the positions taken by the department. The incumbent must be capable of working with minimal supervision.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Designs complex statistical/econometric models.

Conducts complex statistical/econometric studies involving financial, economic and engineering data.

Testifies as an expert statistical witness in the most complex public utility rate or service hearing.

Provides technical supervision to lower level analysts in situations involving the most difficult or unique statistical problems.

Serves as a lead worker in evaluating new statistical modeling concepts and adapting new concepts.
KNOWLEDGES, SKILLS AND ABILITIES REQUIRED

Knowledge of:

- Extensive knowledge of advanced statistical/econometric modeling theory.
- Thorough knowledge of computer programming.
- Considerable knowledge of accounting and economic theory and application.
- Thorough knowledge of rules, regulations, decisions, practices and procedures of the Public Utilities Commission and Public Service Department.

Ability to:

- Design complex statistical/econometric models and instruct others in their operational capabilities and limitations.
- Prepare and present clear and concise oral and written reports.
- Establish effective working relationships.
- Maintain and evaluate knowledge of new concepts and trends in statistical analysis.
- Maintain knowledge of theoretical developments in the fields of statistical, financial, economic and engineering data.