ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

UTILITY ENGINEERING SERIES

CLASS TITLE	POSITION CODE	EFFECTIVE
UTILITY ENGINEER I	47451	9-16-91
UTILITY ENGINEER II	47452	9-16-91

SERIES DISCUSSION:

Positions classified into this series perform technical and professional engineering functions involving the determination of the quality, adequacy and safety of any service, product or commodity furnished by a public utility, and the determination of reasonable rates and charges for such service.

UTILITY ENGINEER I — POSITION CODE: 47451

Positions allocated to this level in the series function under general supervision in performing professional engineering functions pertaining to the enforcement of laws, rules and regulations governing the operations and services of public utilities.

Positions at this level make surveys, investigations, field studies and inspections of the public utility involved; testify at public hearings with respect to technical matters involving the utility; prepare charts, graphs and diagrams illustrating studies on different phases of operations; examine books and records of public utilities obtaining data pertaining to valuation of property, original cost, revenues, expenses, depreciation and other items pertinent to utility regulations; conducts field studies and surveys of crossings under consideration for improvement in safety and prepares appropriate engineering drawings and plots for use in testifying before an examiner of the Commission in formal cases; and performs other duties as required or assigned which are reasonably within the scope of those enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

The knowledge, skill and mental development required at this level is equivalent to completion of four years of college with a degree in engineering.

One year of professional experience in engineering with a public utility or utility regulatory agency.

Knowledges, Skills and Abilities

Working knowledge of the modern trends and practices of public utility service and regulations.

Elementary knowledge of the laws, rules and regulations established for utility regulations.

Elementary knowledge of the accounting and engineering factors involved in rate structure determination.

Ability to make complex mathematical and engineering computations.

Ability to do research and compile reports.

Ability to maintain relationships with public utility representatives and general public.

UTILITY ENGINEER II POSITION CODE: 47452

Positions allocated to this level in the series function under direction in performing professional engineering functions pertaining to the enforcement of the laws, rules and regulations governing the operations and services of public utilities.

Positions at this level conduct surveys, investigations and inspections of public utilities; appraise public utility properties; determine original and reproduction cost of utilities, check proposal rate schedules, review description of routes of mains and lines and compiles technical statistical data; inspect construction of distribution mains and lines in urban areas and transmission mains and lines between communities for compliance of rules and regulations; serve as examiner in formal cases before the Commission involving railroad matters, and performs other duties as required or assigned which are reasonably within the scope of those enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

The knowledges, skills and mental development required at this level are equivalent to completion of four years of college with a degree in engineering.

Two years of professional experience in engineering in a public utility or utility regulatory agency.

Knowledges, Skills and Abilities

Working knowledge of the modern trends and practices of public utility service and regulation.

Working knowledge of the laws, rules and regulations established for utility regulations.

Working knowledge of the accounting and engineering factors involved in rate structure determination.

Ability to make difficult mathematical and engineering computations.

Ability to perform research and compile complete and comprehensive reports

Ability to maintain relationships with public utility representatives and general public.