

MECHANICAL ENGINEER II

NATURE AND PURPOSE OF WORK

Classification includes positions whose purpose is to ensure timely and quality construction, renovation and maintenance, according to lawful codes and regulations, of municipal facilities.

Employees of this classification apply knowledge of engineering to problems and/or assignments requiring familiarity with the methods and materials of mechanical engineering.

Incumbents work under the direction of a registered Professional Engineer and may supervise Engineering Aides or other technical positions. Incumbents primarily work in the Power Production Division of the Department of Utilities.

ILLUSTRATIVE EXAMPLES OF WORK (Note: These examples are intended only to illustrate the various types of work performed by incumbents in this class. All of the duties performed by any one incumbent may not be listed, nor does any incumbent necessarily perform all of these duties.)

Prepares designs, specifications, and bid packages of construction or renovation projects with independence, subject to review by a registered superior. Receives more detailed instructions on unusually difficult or complex problems. Evaluates bids, administers contracts, and prepares change orders. Ascertains contractor and in-house compliance with applicable standards, codes, and regulations.

Conducts or oversees inspection of construction or reconstruction projects while underway. May authorize changes or departures from plans within established limits.

Performs related work as required.

NECESSARY KNOWLEDGES, ABILITIES, AND SKILLS

Knowledge of theory and practices of mechanical engineering related to the area of assignment as obtained from an accredited college or university.

Knowledge of computer applications as required by area of assignment.

Knowledge and understanding of applicable codes, regulations or legal standards for construction and renovation of municipal utility or public works facilities.

Ability to read, understand and apply contracts, specifications, change orders, purchasing, and funding procedures.

Ability to form and maintain effective working relationships with elected officials, public, and employees.

DESIRABLE QUALIFICATIONS

Possession of the Engineer Intern certificate by examination, in the State of Louisiana, non-resident with an equivalent certification, to obtain Louisiana certificate within one year of appointment.

NECESSARY QUALIFICATIONS

Bachelor of Science in Mechanical Engineering from an accredited college or university and significant professional experience as a Mechanical Engineer I, or equivalent in another jurisdiction.