

**COMPETENCY MODEL FOR
ELECTRIC METER SETTER
CLASS CODE 3822**

The following competencies have been identified as those that best separate superior from satisfactory job performance in the class of **ELECTRIC METER SETTER**. (Numbers refer to the order of competencies in the Competency Bank.)

- 2. MATHEMATICS
- 6. ATTENTION TO DETAIL
- 7. SELF MANAGEMENT
- 8. SAFETY FOCUS
- 20. JOB KNOWLEDGE
- 33. INTERPERSONAL SKILLS
- 37. FLEXIBILITY
- 28. SHARES KNOWLEDGE AND INFORMATION

On the following pages are descriptions of each competency, including a definition, the level of the competency required for the class (*italicized*, **bolded**, and underlined), examples of behavioral indicators, and satisfactory and superior performance levels.

2. MATHEMATICS – Performs arithmetic or higher-level mathematical computations accurately.

Level of Competency Required by Job:

Level 1: Perform arithmetic computations (add, subtract, multiply, divide, ratios, percentages).

Level 2: Use algebra (substitute numbers for letters in a formula), geometry (angles, distances, area), and/or descriptive statistics (mean/median/mode, standard deviation, range).

Level 3: Apply and interpret calculus, inferential statistics (t-tests, correlations, ANOVA, multiple regression) or other very high level mathematics.

Examples of Behavioral Indicators:

- Quickly and accurately performs arithmetic computations.
- Appropriately selects and applies formulas for stated purpose.
- Correctly identifies an appropriate analysis for a specific purpose and selects the appropriate computer program for computation.
- Accurately interprets and presents results of mathematical/statistical computations.

Performance Levels:

Satisfactory

Knows mathematical requirements of the job and performs them correctly. Verifies work to ensure accuracy.

Superior

Identifies additional opportunities for the application of mathematics in work. Answers questions/trains others to assist them in their use of mathematics.

Mathematics Areas

1. Knowledge of mathematics sufficient to calculate current-voltage relationships.
2. Knowledge of mathematics sufficient to perform additions, subtractions, and algebra calculations.

6. ATTENTION TO DETAIL – Extremely careful in addressing all aspects of each work assignment in order to produce “completed staff work” and/or avoid any negative outcomes.

Level of Competency Required by Job:

Level 1: Ensure all aspects of work assignment are completed as directed.

Level 2: **Verify that each aspect of work assignment is properly completed; make logical inference regarding additional activities that may need to be performed to produce “completed staff work.”**

Level 3: Include evaluation of final work/work product in its accomplishment; make adjustments as possible to improve.

Examples of Behavioral Indicators:

- Carefully checks all aspects of work for completion and accuracy before submitting.
- Identifies errors (for example, typo’s, computations, measurements, application of laws/rules/policies) and corrects them prior to submitting.
- Cross-checks work against available resources.
- Sets up a means of checks and balances to ensure work accuracy.
- Considers changes in final work product to ensure usability by recipient.
- Completes all revisions upon request.

Performance Levels:

Satisfactory

Ensures that each task accomplished represents “completed staff work.” No remaining details/ inconsistencies for others to address.

Superior

All aspects of each task completed are verified to be correct. Identifies any foreseeable consequences of work that may need to be addressed and does so.

7. SELF MANAGEMENT – Organizes and plans for task accomplishment; manages time and works diligently to complete assigned work/fulfill responsibilities.

Level of Competency Required by Job:

Level 1: **Order tasks for efficient performance; maintain awareness of time allotted and deadlines in order to ensure they are met.**

Level 2: Plan and perform work in a way that maximizes efficient performance; establish and adjust priorities to ensure timely completion of most critical assignments.

Level 3: Allot time to responsibilities proportional to their prominence, priority, and impact.

Examples of Behavioral Indicators:

- Performs only work activities during work hours.
- Alters means of performing work when original approach proves to waste time.
- Keeps a “to do” list (with indication of priority and deadlines, if necessary).
- Requests assistance as necessary when it becomes clear that work will not be completed on time.
- Demonstrates a record of progress with respect to all assignments/ responsibilities.
- Uses optimal means of communication for efficiency and effectiveness.

Performance Levels:

Satisfactory

Conducts self while at work in a manner that ensures work will be completed as scheduled, or provides explanation or secures assistance or adjustment of schedule if it will not be.

Superior

Seeks efficiencies in doing work to maximize productivity. Plans work carefully and follows the plan or makes adjustments if it is disrupted. Maintains personal responsibility for all work accomplishment.

8. SAFETY FOCUS – Performs work in a way that minimizes risk of injury to self or others.

Level of Competency Required by Job:

Level 1: Maintain awareness of unsafe conditions and actions to avoid injury.

Level 2: Follow safety rules/procedures; avoid known hazards in the work environment.

Level 3: **Carefully follow safety rules and procedures and consistently use all necessary safety equipment.**

Examples of Behavioral Indicators:

- Wears seat belt.
- Ensures safe physical work environment by taking actions such as eliminating unstable stacks of materials, closing drawers so filing cabinets will not tip over, and keeping pathways clear of tripping hazards.
- Reviews safety procedures before beginning each job with known hazards.
- Follows safety procedures while performing work even when it takes more time.
- Uses safety equipment such as goggles, gloves, and earplugs as required or warranted.
- Frequently checks safety equipment for proper condition and operation.

Performance Levels:

Satisfactory

Maintains awareness of personal safety to avoid injury or property damage during all work activities.

Superior

“Safety first.” Places avoidance of injury or property damage above all other job requirements. Mentions the need to follow safe work practices to co-workers. Actively seeks ways to avoid injury.

Safety Focus Areas

1. Knowledge of safety principles and regulations such as government regulations, procedures for working near energized lines or equipment (including high-voltage lines and equipment).
2. Knowledge of safety rules pertaining to the maintenance of a debris- and clutter-free workplace and the use of protective clothing and equipment.
3. Knowledge of Department procedures for getting and removing CLEARANCES (as defined in the Department of Water and Power Operating Orders) which take equipment to be worked on out of service and let other workers know that there may be workers out of sight near equipment and that it cannot be energized in order to ensure a safe working environment.
4. Knowledge of elementary mechanics sufficient to perform safely and correctly such tasks as handling and placing equipment or materials with regard to balance and stability.
5. Knowledge of CPR, first aid, and emergency procedures sufficient to begin resuscitation in case of electric shock or to take immediate action to prevent further harm in case of other injury.
6. Knowledge of driver's safety rules in order to operate vans or small trucks to transport necessary equipment and materials to various worksites and locations.

20. JOB KNOWLEDGE – Knows information required to perform a specific job. Includes both widely available courses of study (for example, chemistry, human resources management, graphic arts) and City-specific information (parking regulation and ticketing practices; purchasing procedures; provisions of the City Charter).

Level of Competency Required by Job:

Level 1: Knowledge is concrete, factual, and/or procedural and may be defined by the organization. Situations in which it is applied are quite consistent.

Level 2: Knowledge is substantive and may be defined by an external trade, field, or profession. Situations in which it is applied vary and, as such, require breadth and depth of understanding.

Level 3: Knowledge is abstract, conceptual, and/or complex and may be supported by a well-defined academic discipline or authoritative sources (e.g., laws, ordinances, government guidelines/regulations/codes). Situations in which it is applied may vary greatly or be novel.

Examples of Behavioral Indicators:

- Performs work correctly/avoids technical (job content related) errors.
- Answers technical questions about work accurately.
- Asks few technical questions about the performance of routine work activities.
- Offers advice (“coaching”) to new employees regarding their work.
- Develops training programs for other employees.
- Sought out as a source of information by others.

Performance Levels:

Satisfactory

Sufficient job knowledge to perform work correctly independently. Answers technical questions about work correctly.

Superior

Expertise in technical job information sufficient to serve as a resource to others. May develop training manuals/ programs and/or give internal and/or external presentations related to work

Job Knowledge Areas

1. Knowledge of different types of single phase electric meters sufficient to install, remove, replace and read them correctly.
2. Knowledge of different types of three and four wire polyphase electric meters sufficient to install, remove, replace and read them correctly.
3. Knowledge of the time of use and other types of recording meters sufficient to install, remove, replace and read them correctly.
4. Knowledge of different types of current transformers sufficient to install and wire them correctly.
5. Knowledge of different types of potential transformers sufficient to install and wire them correctly.
6. Knowledge of different types of conduit cables and wiring needed for meters and associated equipment sufficient to install, remove, and replace meters correctly.
7. Knowledge of different types of other devices and equipment used with electric meters such as test switches and test blocks which operate at voltages ranging from 120v to 4.8kv sufficient to install, change, remove, and/or replace power consumption meters and related equipment and/or to connect them to existing systems.
8. Knowledge of basic electrical theory sufficient to perform the task of computing relationships in A.C. and D.C. circuits pertaining to voltage, current and watts including Ohm's Law.
9. Knowledge of codes relating to current carrying capacities and limitations of different sizes and types of wiring commonly used in industrial, commercial, and residential applications sufficient to perform necessary meter installation, removal, and/or replacement work safely.
10. Knowledge of Department of Water and Power Electric Service Requirements, State rules and regulations, and the City Electrical Code relating to and power consumption, meter installation, and capacities sufficient to perform necessary meter installation, removal, and/or replacement work safely.
11. Knowledge of basic electric service requirements sufficient to install, remove, and replace single phase meter installation, EV chargers, and pedestals.
12. Knowledge of procedures for getting permits and inspections from the Department of Water and Power, the Department of Water and Power, the Department of Building and Safety, and from other agencies sufficient to answer questions from customers.

13. Knowledge of use of tools related to installation of meters and related equipment such as hydraulic presses, cutters, meters, and testing using multimeters and A.C./D.C. current clamp probes.

33. INTERPERSONAL SKILLS – Interacts effectively and courteously with others.

Level of Competency Required by Job:

Level 1: **Interact with members of the workgroup, supervision, and/or the public in a cordial, service-oriented manner.**

Level 2: Interact across department lines and with appointed City officials, and/or members of the public, at times under adversarial circumstances, in a cordial, respectful manner.

Level 3: Interact with appointed and elected City officials, department heads, representatives of external organizations, and/or the media in a cordial, effective manner.

Examples of Behavioral Indicators:

- Works well with others toward mutual objectives.
- Does not arouse hostility in others.
- “Disagrees without being disagreeable.”
- Elicits acceptance/cooperation from others.
- Affords all individuals respect, regardless of their role or status.
- Effectively addresses concerns of politicians or others who may have their “own agenda.”

Performance Levels:

Satisfactory

Behaves in a courteous, respectful, cooperative manner toward co-workers, other City employees, and members of the public

Superior

Facilitates positive interpersonal relations within/among workgroups and toward members of the public. Adept at finding similarities and grounds for cooperation/mutual benefit

37. FLEXIBILITY – Changes behavior to more effectively respond to differences or changes in situations, circumstances, objectives or people.

Level of Competency Required by Job:

Level 1: **Modify behavior as necessary to accommodate differences/ changes.**

Level 2: Initiate changed behavior when initial approach proves ineffective.

Level 3: Perceive subtle cues/feedback to determine modifications in behavior necessary to improve effectiveness.

Examples of Behavioral Indicators:

- Adjusts speaking in terms of volume (softer/louder) and/or manner (for example, explanatory vs. directive).
- Offers a different option when the first is rejected.
- Completes work in a nonroutine manner when usual approach is inefficient or ineffective.
- Readily accepts changes in work assignments.
- Willingly works with any others as assigned or required by job duties.

Performance Level

Satisfactory

Changes approach or objective when directed to do so. Recognizes failure of initial approach to achieve objective and tries a different one.

Superior

Identifies opportunities to improve performance by changing the goal or personal behavior to reach the goal. Supports changes imposed by others.

48. SHARES KNOWLEDGE AND INFORMATION – Conveys all information relevant to each involved party in a thorough and timely manner.

Level of Competency Required by Job:

Level 1: Provide job-related information as it becomes available to others who are likely to need it or to whom it might be helpful.

Level 2: **Keep all involved parties informed of work/project progress and other new information. Tailors content, level of detail, and timing of information provided to the perspective of each recipient**

Level 3: Recognize different needs for different information and provide all affected parties with a description of the “big picture” as well as the breadth and detail of information relevant to their perspective.

Examples of Behavioral Indicators:

- Provides thorough explanations with all relevant details.
- Uses multiple means of communicating (e.g., e-mail, telephone, meetings).
- Provides status reports of work/project progress to all involved parties.
- Informs others of changes at the earliest feasible time.
- Uses multiple addressees and “copies” others so all parties see exactly the same information and know who already has been informed.
- Draws from job knowledge and work experience to provide thorough descriptions and explanations.

Performance Levels

Satisfactory

Readily communicates new, job-related information to all employees to whom it is relevant. Provides a level of detail and explanation appropriate to the recipient.

Superior

Ensures that all involved parties are provided the maximum amount of information feasible in as timely a manner as possible to facilitate work/project status. Shares job knowledge and experience to serve as a mentor or coach to others.