 **Utilities Engineer Standard Job Description**

**Classification Title:** Utilities Engineer

**FLSA Exemption Status:** Exempt

**Pay Grade:** 16

**Minimum Pay:** $93,046.67

**Job Description Summary:**

The Utilities Engineer, under direction, Provides day to day support to plant operations and maintenance for utility production and distribution.

**Essential Duties and Tasks:**

**30% Evaluation and Optimization of Plant Performance**

* Evaluates overall plant and individual unit performance and efficiencies.
* Performs thermodynamic analysis of the plant for evaluation of performance and recommends modifications.
* Monitors plant systems, analyzes performance, and initiates action for optimization.
* Participates in process improvement efforts to achieve plant goals for safety, productivity, and efficiency.

**20% Project Coordination and Technical Support**

* Studies, evaluates, and recommends equipment replacements and capital improvements.
* Defines proposed project scopes and coordinates design and implementation of projects.
* Provides technical support for engineering-related issues in areas such as steam production/distribution and electricity production/distribution.
* Manages contractors and coordinates maintenance staff during project installations.

**10% Operational Procedures and Compliance**

* Reviews and recommends improvements to operational procedures.
* Coordinates plant and system drawings update and maintenance.
* Contributes to a safe work environment by reporting accidents and unsafe working conditions and participating in safety training.

**10% Capital Project Management**

* Provides technical expertise in support of capital projects, process evaluation, and equipment modification.
* Performs analysis, detailed design, installation, startup/checkout/debugging, and cost control of assigned projects.

**10% Documentation and Reporting**

* Maintains definitive plant commodity production data.
* Creates proposed scopes and coordinates with professional engineering services consultants.

**20% Duty Title (for the department's use)**

* Remaining Percentage Can Be Determined by Department to Meet Business Needs or Can Be Incorporated into Percentages Above.

**Required Education and Experience:**

* Bachelor’s degree in Engineer from an accredited university or equivalent combination of education and experience.
* Five years of related experience.

**Required Licenses and Certifications:**

* None

**Required Knowledge, Skills, and Abilities:**

* Ability to multitask and work cooperatively with others.
* Familiar with thermodynamic principles involved in the production of steam, chilled water, steam turbines, combustion turbines, and power generation.
* Must demonstrate a calm, professional behavior working with groups, sometimes working in stressful work environments.

**Machines and Equipment:**

* Computer

**Physical Requirements:**

* None

**Other Requirements and Factors:**

* This position is security sensitive.
* This position requires compliance with state and federal laws/codes and Texas A&M University System/TAMU regulations and procedures.
* Works to cover shifts, or take emergency call, on evenings, weekends, and holidays as required.

**Is this role ORP Eligible? If so, it needs to meet the criteria on the** [**Rules and Regulations of the Texas Higher Education Coordinating Board**](https://reportcenter.highered.texas.gov/reports/data/user-friendly-version-of-ch-25/)**.**

**Yes**

**No**

**Does this classification have the ability to work from an alternative work location?**

**Yes**

**No**