

# RESPONSIBILITY OUTLINE



<b>Job Title</b>	Structural Design Engineer I		
<b>Department</b>	Transmission Engineering	<b>Pay Status</b>	Salaried
<b>Reports To</b>	Senior Manager Transmission Engineering	<b>FLSA Category</b>	Exempt
<b>Location</b>	Great Bend		

## SUMMARY

Assist with planning, performing design, and supporting installation and commissioning of all components and equipment associated with electrical transmission facilities. Assist in conducting line routing, structure design and selection, conductor evaluation, and structure spotting.

## Essential Responsibilities

### Transmission Line and Substation Structural Design

Assist in conducting line routing, structure design and selection, conductor evaluation, and structure spotting.

Assist with preparing and obtaining permits for transmission line and substation projects.

Assist with the preparation of construction drawings, bills-of-materials, and construction contract documents while being mindful of budget estimates.

Assist with conducting failure investigations, reviewing projects that impact existing or planned transmission facilities, and implementing new technologies.

Meet, as needed, with and provide technical support to customers and Sunflower Members.

Assist in planning, performing design, and supporting installation and commissioning of all components and equipment associated with electrical transmission facilities.

Assist with developing and reviewing engineering documents such as calculations, specifications, and procedures.

Perform on-site fieldwork as required.

### Standards

Ensure compliance with applicable American National Standards Institute/Institute of Electrical and Electronic Engineering (ANSI/IEEE), North American Electric Reliability Corporation (NERC) Reliability, National Electrical Safety Code (NESC), American Society for Testing and Materials (ATSM), American Society of Civil Engineers (ASCE) standards.

Assist or lead development and maintenance of Sunflower standards.

## **Safety**

Sunflower employees are expected to approach their personal safety and their coworker's safety with a positive attitude and commitment. Sunflower employees will maintain the highest level of responsibility and accountability in compliance with all safety policies, practices and procedures to ensure a safe working environment. This includes properly maintaining and caring for applicable safety gear and equipment; identifying, correcting or assisting in resolving safety concerns, including communicating all hazardous conditions; reporting all injuries and near misses immediately to appropriate personnel; and understanding and complying with the Clearance Procedure as applicable.

## **Culture**

Demonstrate personal responsibility and a commitment to Sunflower's culture and core values of technical competency, respect and dignity, accountability, integrity, trustworthiness, and servant leadership to empower or otherwise enable others to optimally perform their job responsibilities. Demonstrate and promote ethics and behaviors consistent with Sunflower's culture, Board policies, and business practices. Understand and fulfill the role and responsibility for all internal policies and procedures of the company to comply with laws, rules, and regulations.

## **Other Responsibilities**

Assist with various projects through completion.

Assist assigned roles and responsibilities for elements of compliance within the areas of responsibility.

Perform other tasks as assigned or required to support Sunflower's mission and operations.

## **Qualifications**

### **Certifications and Licenses**

Successful completion of Fundamental Engineering Exam is preferred.

### **Education and Experience**

Bachelor degree in civil or structural engineering from an ABET accredited institution.

### **Knowledge, Skills, Abilities**

Able to develop and maintain ability to prepare budgets and estimates as well as maintain financial tracking.

Sound organizational and time management skills.

Able to develop and maintain current knowledge base of design techniques and equipment requirements and the proper application in design, operation, and maintenance of transmission and distribution lines and substations.

Able to develop and maintain current understanding of the regulatory environmental requirements pertaining to operation and maintenance of Sunflower's transmission system.

Written, verbal, and interpersonal communication skills at the level required to successfully perform the essential responsibilities of the position.

Able to operate computers and associated programs, including including core Microsoft Office applications and industry specific software as required (i.e. PLS-CADD, AutoCAD, etc.), at the level required to successfully perform the essential responsibilities of the position.

### **Other**

Possess and maintain a valid driver's license.

Able to travel to all Sunflower sites and attend training and meetings out of state as needed.

Regular and prompt attendance is required.

Able to work in excess of 40 hours per week, both scheduled and/or unscheduled. Able to respond and report to work during off hours in emergency situations.

This outline is not all inclusive but rather serves as a general overview of the current business needs. Experience guidelines are not the sole basis for awarding this position and substitutions may be made as they relate to the essential functions, duties, and responsibilities of this position.

<b>EEO Category</b>	2	<b>FLSA Exemption</b>	Professional
<b>FLSA Exemption Justification</b>	Primary duty is the performance of work requiring advanced knowledge. This position requires a Bachelor's degree in electrical engineering from an ABET accredited institution.		

## COMPETENCIES

The following competencies describe the required knowledge, skills, and behaviors that contribute to employee performance and organizational success. Please contact the Department of Organizational Development for definitions of each competency.

### Core

- Technical Competency
- Respect and Dignity
- Accountability
- Integrity
- Servant Leadership
- Safety

### Technical

- Communication
- Decision Making
- Flexibility
- Initiative
- Problem Solving
- Quality
- Team-Oriented
- Technology Acumen

## PHYSICAL AND MENTAL REQUIREMENTS SHEET

This outline is not all inclusive but rather serves as a general overview regarding the physical and mental activities required to perform the job.

### Physical Tasks and Exposure

For the following, indicate if the task or exposure during a typical shift is:

**O**ccasional (0-33% of the workday); **F**requent (34-66%); **C**onstant (67-100%)

Task/Exposure	O	F	C
Standing		X	
Walking	X		
Sitting			X
Climbing			
Crouching	X		
Twisting	X		
Reaching above	X		
Heights over 4 ft			
Confined spaces			
Variable weather	X		
Cold	X		
Heat	X		
Noise over 85 decibels	X		
Dust/Dirt	X		
Ionizing radiation			
Chemicals			
Repetitive - Wrist			X
Repetitive - Elbow			X
Other:			

Task/Exposure	O	F	C
Lifting/Lowering			
<10 pounds			X
11-30 pounds	X		
31-50 pounds			
Carrying			
<10 pounds			X
11-30 pounds	X		
31-50 pounds			
Pushing			
<10 pounds			X
11-30 pounds	X		
31-50 pounds			
51-75 pounds			
>75 pounds			
Pulling			
<10 pounds			X
11-30 pounds	X		
31-50 pounds			

Comments:

For the following, indicate if essential to the position:

Mental Requirements	
Works alone	X
Repetition	X

Audio/Visual	
Hearing/Corrected Hearing	X
Color discrimination	

Required Examinations			
Physical Capacity Profile (PCP)		Audiogram	
Level 2		Chest X-Ray	
Level 3		Spirometry	
Level 4		Color	
Level 5		DOT Physical	

A physical may be substituted for a PCP if it is not available.