



JOB DESCRIPTION FORM

Division/Department	Administration
Location	Gothenburg
Job Title	Electrical Engineer
Reports to	Electrical Project Operations Manager

Salaried	Type of position:	Hours <u>40</u> / week
	<input checked="" type="checkbox"/> Full-time	<input checked="" type="checkbox"/> Exempt
	<input type="checkbox"/> Part-time	<input type="checkbox"/> Nonexempt

POSITION DESCRIPTION

Perform the engineering duties necessary to keep existing power, SCADA, communication and control facilities in good operating condition. Develop modifications and improvements to existing facilities and infrastructure to keep up with changing situations and conditions. Make necessary federal reports on power facilities; keep communications licenses up to date; review electrical drawings and perform other duties as assigned.

EDUCATION AND EXPERIENCE

REQUIRED QUALIFICATIONS

1. Bachelor of Science degree in electrical engineering or related field or equivalent.
2. Valid Nebraska driver's license.

PREFERRED ADDITIONAL QUALIFICATIONS OR ABILITIES

1. Four years of experience related to maintenance and engineering related to power generation, SCADA and controls.
2. Professional Engineering license.

ESSENTIAL JOB FUNCTIONS

1. Design or develop specifications for design by others for the maintenance of, improvement to, or capital addition of the District's electrical facilities.
2. Provide support for maintaining and improving the District's SCADA system and communication facilities.
3. Provide support for maintaining compliance of NERC regulations.
4. Provide support for complying with EPA/NDEQ regulations at generation facilities.
5. Provide engineering support for the automation and control needs in the irrigated area.
6. Communicate effectively with and plan activities with other key staff members.
7. Work closely with the Hydroelectric Operations Supervisor to ensure all needs are being met for the safe and reliable operation of Hydro generation facilities.

OTHER POSSIBLE JOB FUNCTIONS

1. Perform other duties as assigned.

WORK ENVIRONMENT

- Time will be managed between working in an office environment and working at the hydro plants, substations, and communication facilities
- Working hazards can include those normally associated in working with electrical panels, switchgear, switchyards, rotating equipment, climbing towers, working from scaffolding, and generally those associated with working with electricity and around water.
- Subject to 24-hour emergency call out resulting in occasional unusual working hours primarily due to those emergencies
- Mild work stress associated with time pressures, emergency situations, and/or changes in work priorities
- Occasional uncontrollable interruptions and distractions to planned work
- Strong physical, emotional, and mental stamina required for occasional work long hours under harsh working conditions

PHYSICAL ACTIVITY REQUIRED

LIFTING	Never	Occ	Freq	Cont
10 lbs			X	
11-15 lbs			X	
26-50 lbs		X		
51-75 lbs		X		
76-100 lbs	X			
+100 lbs	X			

SEEING	Never	Occ	Freq	Cont
Near Vision				X
Far Vision			X	
Color Vision				X

	Never	Occ	Freq	Cont
VERBAL COMMUNICATION			X	

REACHING	Never	Occ	Freq	Cont
Out		X		
Overhead		X		
Low (below knees)		X		

CLIMBING	Never	Occ	Freq	Cont
Stairs			X	
Ladder		X		
Other			X	

AGILITY	Never	Occ	Freq	Cont
Balancing		X		
Bending Over			X	
Carrying		X		
Crawling		X		
Eye/Hand/Foot Coordination			X	
Grasping		X		
Kneeling		X		
Pulling		X		
Pushing		X		
Sitting			X	
Standing			X	

REVIEWED BY	Eric Hixson	Date	10/23/2019
APPROVED BY		Title	General Manager
DATE APPROVED			
REVISED DATE			