



## JOB DESCRIPTION FORM

Division/Department	Hydro
Location	Gothenburg
Job Title	Communications Technician
Reports to	Electrical Superintendent, Electrical Engineer

Control points	Type of position:	Hours <u>40</u> / week
Level I <u>15(5)</u>	<input checked="" type="checkbox"/> Full-time	<input type="checkbox"/> Exempt
Level II <u>19(5)</u>	<input type="checkbox"/> Part-time	<input checked="" type="checkbox"/> Nonexempt

### POSITION DESCRIPTION

Responsible to the Electrical Superintendent for corrective and routine maintenance, installations and testing modifications of electronic equipment associated with the hydro power plants, two-way radio equipment, microwave system, supervisory control equipment, District telephone equipment and buried cable. Must have mechanical abilities to work around hydro plants, control structures, antenna towers and buildings.

### EDUCATION AND EXPERIENCE

#### Level I

- High school degree or equivalent education
- in electronics
- FCC license or equivalent certification
- Valid Nebraska driver's license

#### Level II

- High school degree or equivalent education
- Two years of correspondence, service-connected or trade school associate degree in electronics
- FCC license or equivalent certification
- Valid Nebraska driver's license

### ESSENTIAL JOB FUNCTIONS

- Routine maintenance of electrical equipment including two-way radios, phones, microwave system and all equipment connected with the supervisory and automated controls in the hydro power plants and irrigation system
- Maintain or supervise the maintenance of antennas and towers
- Attend training courses supplied by manufacturers of new and existing equipment used or purchased by the District
- Perform other duties as assigned

## **OTHER POSSIBLE JOB FUNCTIONS**

- Plan and schedule maintenance of Central's microwave communication equipment to ensure compliance with FCC operating requirements
- Install and test new microwave and associated equipment
- Monitor all SCADA system communication records for compliance
- Maintain District's telephone communications switching equipment and assist in design of system modifications
- Correctly use and care for microwave test equipment and recommend purchases of test equipment
- Prepare necessary forms for applying for new FCC licenses and renewals, and maintain required records
- Assist in the engineering for design and purchase of new microwave and communications systems
- Update all wiring and schematic drawings
- Make budget recommendations to the Electrical Superintendent
- Maintain accurate records of maintenance performed, including tower lighting logs
- Supervise electronic and electrical personnel assisting in the maintenance of communications equipment
- Coordinate testing and installation of equipment with other organizations, work with outside contractors, equipment manufacturers, tower installation crew and maintenance crews
- Understand SCADA system and control center computers, perform routine maintenance

## **LIVING REQUIREMENTS**

- Must live within the general area of District facilities, as depicted in the attached Exhibit B, to ensure adequate response time to emergency situations

## **WORK ENVIRONMENT**

- Natural work hazards associated with working around water, equipment, excavations and field construction
- Occasional unusual working hours primarily due to 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 to 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	

<b>VERBAL COMMUNICATION</b>			x	
-----------------------------	--	--	---	--

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

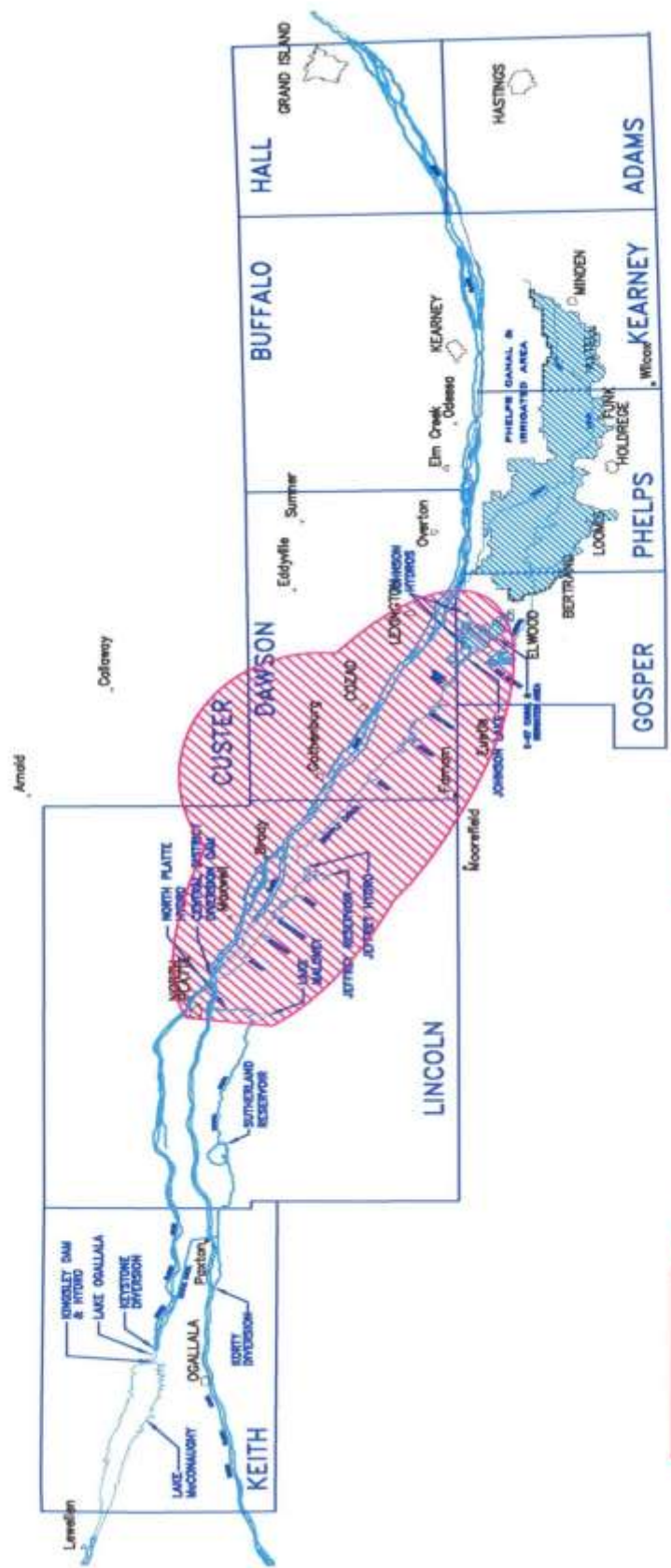
CLIMBING	Never	Occ	Freq	Cont
Stairs			x	
Ladder			x	
Other		x		

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	Personnel Committee	Date
APPROVED BY		Title General Manager
DATE APPROVED		
REVISED DATE		

# CENTRAL NEBRASKA PUBLIC POWER AND IRRIGATION DISTRICT PROJECT MAP

Exhibit B



 Living Area  
**Exhibit B**

