

Job Title: **Water Resource Specialist**
 Job Family: **Trades**
 Pay Program: **Classified**
 Work Year: **12 months**

Job Code: **1468**
 FLSA Status: **Non-Exempt**
 Shift Differential: **Yes**
 Pay Range: **G26**

SUMMARY: Under general supervision, perform a variety of skilled duties involved in the maintenance, operation and programming of central irrigation control systems and equipment. Utilize, manage and maintain central irrigation control system to maximize irrigation efficiency. Work with district stakeholders to identify system issues and initiate repair work orders. Support sustainability staff in water use management and reduction projects.

ESSENTIAL DUTIES AND RESPONSIBILITIES: *To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

Job Tasks Descriptions	Frequency	% of Time
1. Install, design, maintain, troubleshoot and repair central irrigation control components, including weather stations, controllers, communication components, communication wiring, low voltage wiring, flow meters, remote receivers, and valves.	D	30%
2. Program central irrigation control system. Utilize evapotranspiration data to adjust central irrigation programs accordingly. Program controllers to maximize water application efficiency. Adjust schedules to meet city requirements for scheduling windows. Adjust irrigation programs for school hours, activities and maintenance operations. Develop drought plans and programs if needed. Ensure minimum water loss from factors such as runoff and wind.	D	20%
3. Conduct irrigation system audits and inspections including coverage analysis, zone analysis, soil moisture sampling and other required functions to maximize system efficiency and minimize water use for irrigation services.	D	15%
4. Work with sustainability personnel to track, collect and document water use data, and plan for water use reductions including system upgrades and converting vegetation in low-use areas. Maintain central irrigation system component inventory and make recommendations for system upgrades or modifications.	W	10%
5. Develop irrigation system parameters to initiate system alarms and create repair work orders.	W	10%
6. Work with sustainability staff and other school staff to support other sustainability projects and participate in sustainability efforts.	M	5%
7. Perform planting of native seeding by utilizing heavy equipment as needed.	W	5%
8. Responds to after-hour calls as needed. Performs other duties as assigned.	Ongoing	5%
TOTAL		100%

EDUCATION AND RELATED WORK EXPERIENCE:

- High School Diploma or equivalent.
- Minimum of three (3) years of experience in the installation, replacement, repair and maintenance of central irrigation control systems.
- Bachelor’s degree from an accredited college or university in horticulture, water engineering, landscape architecture, or a related field preferred.

LICENSES, REGISTRATIONS or CERTIFICATIONS:

- Criminal background check required for hire.
- Valid Colorado driver’s license and qualified to drive district owned vehicles.
- Commercial driver’s license (CDL) with a Class A endorsement.
- District asbestos training certification within 3 months of hire required.
- Landscape certified irrigation technician within 12 months of hire preferred.
- Certified water auditor within 12 months of hire preferred.
- Successful completion of a pre-hire, post-offer physical examination.

TECHNICAL SKILLS, KNOWLEDGE & ABILITIES:

- Ability to promote and follow Board of Education policies, District policies, building and department procedures.

- Ability to communicate, interact and work effectively and cooperatively with all people, including those from diverse ethnic and educational backgrounds.
- Ability to recognize the importance of safety in the workplace, follow safety rules, practice safe work habits, utilize appropriate safety equipment and report unsafe conditions to the appropriate administrator.
- Meets with other city and private utility company personnel to obtain information on meters, utility lines and other needed technical data to locate, repair and maintain irrigation systems.
- Maintains contact with vendors and contractors to obtain information about available valves, irrigation heads and other system components.
- Project management skills
- Ability to read and interpret blueprints.
- Knowledge of irrigation and landscape design.
- Ability to compile and prepare necessary maps, reports and records.
- Ability to keep up-to-date technically and apply new knowledge to your job. Includes adapting to and mastering new system applications and processes as implemented by the district or department.
- Knowledge of Computer-Aided Design (CAD) and Geographic Information System (GIS) software.
- Performs strenuous work in a variety of weather conditions including high heat conditions.

MATERIALS AND EQUIPMENT OPERATING KNOWLEDGE:

- Operating knowledge of and experience with personal computers and peripherals.
- Operating knowledge of and experience with Microsoft Word and Excel.
- Operating knowledge of district information technology systems and any other department specific software and equipment required within 2 months after entering position.
- Operating knowledge of tools and testing equipment used in troubleshooting irrigation central components.
- Operating knowledge of pumps, wells, soil analysis and radio and electrical equipment.

REPORTING RELATIONSHIPS & DIRECTION/GUIDANCE:

	POSITION TITLE	JOB CODE
Reports to:	Safe and Secure Environments Manager, Energy & Sustainability	050301

	POSITION TITLE	# of EMPLOYEES	JOB CODE
Direct reports:	This job has no direct supervisory responsibilities.		

BUDGET AND/OR RESOURCE RESPONSIBILITY:

- Directs and monitors the work of district and non-district employees.

PHYSICAL REQUIREMENTS & WORKING CONDITIONS: *The physical demands, work environment factors and mental functions described below are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.*

PHYSICAL ACTIVITIES:	Amount of Time			
	None	Under 1/3	1/3 to 2/3	Over 2/3
Stand				X
Walk				X
Sit		X		
Use hands to finger, handle or feel				X
Reach with hands and arms				X
Climb or balance			X	
Stoop, kneel, crouch, or crawl				X
Talk			X	
Hear			X	
Taste	X			
Smell		X		

WEIGHT and FORCE DEMANDS:	Amount of Time			
	None	Under 1/3	1/3 to 2/3	Over 2/3
Up to 10 pounds				X
Up to 25 pounds			X	
Up to 50 pounds		X		

WEIGHT and FORCE DEMANDS:	Amount of Time			
	None	Under 1/3	1/3 to 2/3	Over 2/3
Up to 100 pounds	X			
More than 100 pounds	X			

MENTAL FUNCTIONS:	Amount of Time			
	None	Under 1/3	1/3 to 2/3	Over 2/3
Compare			X	
Analyze			X	
Communicate				X
Copy		X		
Coordinate		X		
Instruct			X	
Compute			X	
Synthesize			X	
Evaluate			X	
Interpersonal Skills				X
Compile				X
Negotiate			X	

WORK ENVIRONMENT:	Amount of Time			
	None	Under 1/3	1/3 to 2/3	Over 2/3
Wet or humid conditions (non-weather)			X	
Work near moving mechanical parts			X	
Work in high, precarious places		X		
Fumes or airborne particles			X	
Toxic or caustic chemicals			X	
Outdoor weather conditions				X
Extreme cold (non-weather)	X			
Extreme heat (non-weather)	X			
Risk of electrical shock		X		
Work with explosives	X			
Risk of radiation	X			
Vibration		X		

VISION DEMANDS:	Required
No special vision requirements.	
Close vision (clear vision at 20 inches or less)	
Distance vision (clear vision at 20 feet or more)	
Color vision (ability to identify and distinguish colors)	X
Peripheral vision	
Depth perception	
Ability to adjust focus	

NOISE LEVEL:	Exposure Level
Very quiet	
Quiet	
Moderate	
Loud	X
Very Loud	