

# Floresville Electric Light & Power System

## Drone Pilot 1

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### Position Details

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| <b>Eligible Applicants:</b> | <b>Public</b>                                       |
| <b>Job Status:</b>          | <b>Full Time</b>                                    |
| <b>Pay Status:</b>          | <b>Non-Exempt</b>                                   |
| <b>Reports To:</b>          | <b>Chief Technology Officer</b>                     |
| <b>Typical Schedule:</b>    | <b>7:00 a.m. – 3:30 p.m., Monday through Friday</b> |
| <b>Open Date:</b>           | <b>07/07/2026</b>                                   |
| <b>Internal Close Date:</b> | <b>Open until filled</b>                            |
| <b>Advertised Salary:</b>   | <b>Commensurate with experience</b>                 |

### Job Summary

Assists Level II and III Drone Pilots with unmanned aerial vehicle (UAV) flight missions supporting the inspection, assessment, and documentation of electric distribution infrastructure. Performs pre-flight preparation, equipment setup, basic UAV operations, and post-flight data management under the direction of senior drone personnel. Supports the identification and documentation of infrastructure conditions, including aging equipment, pole conditions, wire integrity concerns, vegetation encroachment, and other potential issues requiring further review.

Responsible for organizing, processing, and cataloging collected drone imagery and associated data using Esri ArcMap and ArcGIS Pro software. Assists with updating GIS asset information, maintaining accurate field records, and performing non-drone data collection activities as needed to support engineering, operations, and maintenance initiatives.

Creates and updates service orders within dispatch software and utilizes mobile field applications on iPads to document completed work, collect field information, and ensure accurate asset records. Assists with focused UAV missions supporting engineering projects, system assessments, emergency response activities, and operational needs.

The Level I Drone Pilot is expected to develop foundational knowledge and skills in UAV operation, FAA requirements, GPS technology, GIS workflows, and electric utility infrastructure inspection practices. The employee will work collaboratively with senior drone pilots and GIS personnel while actively pursuing opportunities to expand technical expertise and operational capabilities.

Employee reports administratively to the Chief Technology Officer and receive functional guidance, training, and flight assignments from Senior Drone Pilots.

## **Essential Functions**

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| Manually and/or automatically conducts aerial flight mission with UAV; collects images (full color, FLIR) of the tops of poles, devices, or other assigned infrastructure; ensures adherence to SOP and all state/federal laws regarding flight. Conduct pre- and post-flight safety assessments, including checking for obstructions to UAV, checking ROW for oncoming vehicles, assessing weather conditions or any other impeding factors, general maintenance of airframe, assessing for issues with propellers/batteries/gimbal, etc. |
| Creates service orders for field verification and data collection; utilizes iPad and truck to complete service orders. Updates assets within ArcMap based on gathered data.                                                                                                                                                                                                                                                                                                                                                                |
| Reviews collected images daily for signs of infrastructure damage, logs issues and reports them to relevant parties weekly based on type and criticality of damage. Conducts image data management practices, including converting coordinates in GIS, practicing proper stewardship of images, conducting some image analysis                                                                                                                                                                                                             |
| Completes special projects and assignments for engineering, design, and operations coordinator as needed.                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## **Minimum Qualifications**

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| High school diploma or equivalent required. Additional education, technical training, or coursework in unmanned aerial systems (UAS), geographic information systems (GIS), aviation, surveying, engineering technology, information technology, or a related technical field is preferred.                                           |
| FELPS will provide required training and development opportunities related to UAV operations, GIS applications, utility infrastructure inspections, and applicable safety and regulatory requirements. Prior drone experience is preferred but not required for candidates with strong technical aptitude and a willingness to learn. |
| Position has no responsibility for the direction or supervision of others. Performs daily tasks, follows policies & procedures, communicates with, follows directives from Senior Drone Pilots and Direct Supervisor.                                                                                                                 |
| Work may require providing basic information to others outside direct reporting relationships on specific problems or general policies. Contacts may require the consideration of different points of view to reach agreement. Elements of persuasion may be necessary to gain cooperation and acceptance of ideas.                   |

## **Physical Demands and Working Conditions**

The employee will be required to work both in an office and outdoor setting. Physical requirements include, but are not limited to, standing, sitting, walking, lifting up to 50 pounds,

fine dexterity, foot controls (driving), vision, hearing and talking. Working conditions may involve extended time in variable or adverse weather conditions as well as exposure to vehicle traffic, general construction hazards, heavy equipment and rough terrain. Post job offer physical, driving record, background check, and drug screen required.