



City of Naperville
Employment Opportunity

Job Title:	Electrical Engineer I – Assets (7005)
Closing Date:	When filled
Salary:	\$94,971.26 – \$104,468.39 per year
Job Type:	Full-Time
Location:	DPU-E Supply & Control, 1392 Aurora Ave., Suite 200
Department:	Department of Public Utilities - Electric

Job Description:

The City of Naperville's Electric Utility is currently seeking an Electrical Engineer I to work in the Assets division of the Utility. The Assets Engineer will be responsible for the collection and analysis of data on the condition of equipment used to provide safe and reliable electric power to the utility customers. This will be accomplished by scheduling and working with the utility field personnel to inspect and test equipment and to input the information into the established asset system(s) for the Asset Engineer to review. The data will be used to define an asset health rating for business risk. The Asset Engineer will maintain and improve the asset system(s), asset ratings, and collection processes as needed.

The Asset Engineer will develop and provide the necessary reports of asset condition to utility management. Also, any immediate repairs or replacements that are identified through the inspection processes will be referred to the utility operations group for remediation, and the Asset Engineer will ensure that data on the repairs or replacements of assets are properly added to the asset tracking systems.

The Asset Engineer will need to understand and work with the Trimble Cityworks asset management software in use in the city, the DNV Cascade asset management software in use for substation equipment tracking, Microsoft Power BI data analysis and reporting software, and ESRI ArcGIS mapping software. Also, an understanding of relational databases and SQL will be needed to be successful.

The Asset Engineer will need to work with outside contractors to supply, install, or repair assets and related material and to provide other needed services to the utility to inspect or maintain its assets.

Lastly, the Asset Engineer will support the utility drone inspection program to collect condition information from above ground facilities that cannot be seen easily from the ground level.

The anticipated hiring range for this position is \$94,971.26 – \$104,468.39 per year commensurate with credentials and experience. The Pay Grade for this position is E250. For additional information, please [click here](#).

Responsibilities:

- Reviews and maintains all assigned equipment test and inspection procedures.
- Oversees the scheduling and completion of equipment inspections and tests.
- Reviews all returned inspection information.
- Works with the Operations group to coordinate the repair or replacement of equipment based on inspection results.
- Plans and develops the recurring prioritized schedule for asset inspections based on asset condition criteria.
- Helps investigate new technology for the utility.
- Other activities may include the root cause analysis of installed equipment failures.
- Develops a comprehensive inventory of assets, condition assessments of those assets, and seeks to improve coordination and communication within the Utility's operations for the disposition of those assets.
- Coordinates all data on physical assets to include inspection history, repairs, location, weather conditions, and other environmental conditions that may affect condition and failures and provide analysis of all data to utility management.
- Coordinates condition assessment reporting and benchmarking.
- Participate in developing and maintaining asset management program requirements.
- Maintains and improves computerized maintenance work order system to consistently and accurately collect data from related utility systems.
- Implements process and procedure for asset lifecycle management.
- Works with internal and external stakeholders to explain, interpret, and create asset management requirements and specifications used to improve the current systems.
- Provides professional and technical assistance and project updates.

- Coordinates asset installation/removal/tracking in new and replacement utility construction projects.
- Ensures completed projects meet established program goals and standards defined within asset management program.
- Keeps current on latest trends in utilities industry (e.g. asset management principles, practices, procedures, and technology). Makes recommendations for implementation and assists in developing operational priorities, goals, and objectives related to asset management.
- Directs the use of utility drone equipment to inspect above ground equipment and structures.
- Operates collaboratively and strategically as a member of the department team.
- Attends seminars, training classes, webinars, and conferences to build new skills related to job assignments.
- Performs all other duties as assigned.

Qualifications:

Required

- A Bachelor's Degree in Electrical Engineering or Engineering Technology.
- One to three years of experience (including internships) in a related field.
- A valid State of Illinois driver's license.

Preferred

- Experience handling projects.
- Electric utility knowledge/familiarity.
- Current or ability to obtain an FAA commercial drone pilot's license.

Additional Information:

The City of Naperville, Illinois is a dynamic community of 153,000 residents, conveniently located 28 miles west of Chicago. Various publications have named Naperville as one of the best cities in the United States in which to live. The City has gained national recognition for our family-friendly environment, excellent schools and library system, low crime rate, and vibrant downtown area. It's also a great place to work! Our municipal government employs over 900 dedicated individuals in a wide range of job categories and provides a collaborative working environment, a forward-looking leadership team, and a competitive benefits package.

[Click here](#) to learn more about the benefits offered by the City of Naperville.

APPLY ON-LINE AT:

<http://www.naperville.il.us/careers/>

Applications should be completed thoroughly, and resumes will not be accepted in lieu of an application but should be attached to the application. Include all requested education, experience, attachments, and other information when applying. Incomplete applications are subject to rejection. Notifications to applicants will be sent electronically to the email address provided in the application.

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The City of Naperville complies with the Americans with Disabilities Act (ADA). Individuals needing accommodations in the recruitment process should notify Human Resources in advance at (630) 305-7066.