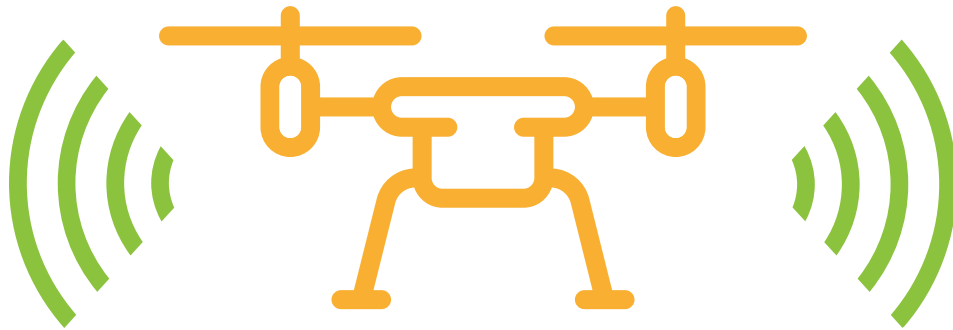


# THE ELECTRIC POWER INDUSTRY Takes Flight

## WHAT ARE DRONES?

*Drones help electric companies maintain and inspect their critical energy infrastructure, including:*



**45,000+**  
SUBSTATIONS

**~400,000**  
MILES OF  
TRANSMISSION LINES

**DRONES HELP ELECTRIC COMPANIES  
IMPROVE THE RESILIENCY, RELIABILITY,  
AND SECURITY OF THE ENERGY GRID**



**1**

### RESILIENCY

Drones help electric companies safely and quickly assess damage from natural and manmade disasters, speeding service restoration.



**2**

### RELIABILITY

Drones are used to inspect remote infrastructure, helping to identify potential issues before they become a problem.



**3**

### SECURITY

Routine drone flights add another layer of energy grid security.

## NEW DRONE OPERATIONS

Many electric companies already fly drones under new rules developed by the Federal Aviation Administration (FAA), and many more will.



1

### LONG-RANGE FLIGHTS

Electric company operators can now apply for permission to fly beyond the line of sight of the operator, enabling improved infrastructure inspection.



2

### ROUTINE COMMERCIAL FLIGHTS

Electric company operations will be even more flexible and responsive with the ability to fly whenever needed, including after severe weather.



3

### NIGHT FLIGHTS

Electric company security and recovery efforts will be aided by the ability to apply for waivers to fly at night.

## SAFETY & PRIVACY

Electric companies operate drones with the utmost concern for safety and privacy:



### SAFETY

- Drone operators are required to pass a comprehensive **KNOWLEDGE TEST** and receive a **CERTIFICATION** from the FAA.
- Pilots must thoroughly **INSPECT** their craft for airworthiness before flight.
- Drone must be operated in accordance with **STRICT LIMITS** on altitude, clearance, and speed.



### PRIVACY

- Drones must be **REGISTERED** with the FAA.
- All operations will be conducted in **STRICT ADHERENCE** to all federal, state, and local laws.



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