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ASSET CLARITY  
FAILURE RISK  
CAPITAL INSIGHT  
MAINTENANCE GAPS  
HIDDEN COSTS



# UTILITY ASSESSMENTS

**SYSTEM  
CONDITION &  
INVENTORY**

GET IN TOUCH

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guernsey.us



## Utility Inventory and System Condition Assessments

### Unlock Hidden Value in Your Utility Systems

Guernsey brings decades of experience assessing complex utility infrastructure—honed through extensive work with the U.S. Armed Forces—to support clients in making smarter, data-driven investment decisions for energy and utility systems. Our proven approach for System Condition Assessments helps owners understand the health of their utilities, ensuring long-term resilience, efficiency, and reliability.

Our System Condition Assessments support utility system engineering analyses, including life cycle analysis for capital improvement planning, consequences of failure, and likelihood of failure, enabling risk-based investment decisions. From field data collection to GIS integration and Computerized Maintenance Management System (CMMS) support, we deliver a comprehensive picture of asset condition, age, and life expectancy. Whether it's components, plants, distribution, or unmapped underground assets, we identify vulnerabilities, provide master planning, guide capital planning, and enable preventive maintenance programs that save money and extend system life.

#### Our Assessments Support:

- Electrical systems (generation, substations, and lines)
- Water systems (production, storage, and distribution)
- Wastewater systems (lift stations, force mains, and treatment)
- Natural gas systems (pipelines, regulators, and metering stations)
- Renewable and alternative energy assets
- Thermal energy systems

#### Deliverables Include:

- Component-level inventory and condition evaluations
- Age, model, manufacturer, and remaining service life
- GPS geolocation
- High-resolution photo documentation and notes
- GIS and CMMS-ready databases
- Risk-based maintenance and capital planning insights
- Life cycle cost analysis (LCCA)



**GET THE FULL PICTURE, CALL US TODAY**  
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