

About Us

Since 1911, Exelon PowerLabs has been the primary calibration and testing laboratory for Exelon. We have four individual labs strategically located from the upper-midwest to the northeast, enabling our experienced staff of experts in engineering, metrology, and nuclear power generation to support the urgent demands of our nation's nuclear facilities, power grids, and critical supply chains.

We also maintain an **A2LA Accreditation** for calibration, assuring our technical competence as a laboratory to ISO 17025 standards and extending our services to any quality-sensitive or highly regulated industry.

We pride ourselves in knowing the quality of our measurements keeps the industry running and — more importantly — ensures the safety of our communities.

Our extensive list of qualified vendors and partners allow us to be your true one-stop-shop.



ISO 17025-2005 Accredited
(A2LA Certificate No.: 2044.1/2/3)

TECHNICAL SERVICES

Exelon PowerLabs.

The true measure of excellence

Quality.

Efficiency.

Reliability.

Our Locations

Headquarters

175 N Caln Road
Coatesville, PA 19320
1-800-971-LABS

Mid-Atlantic

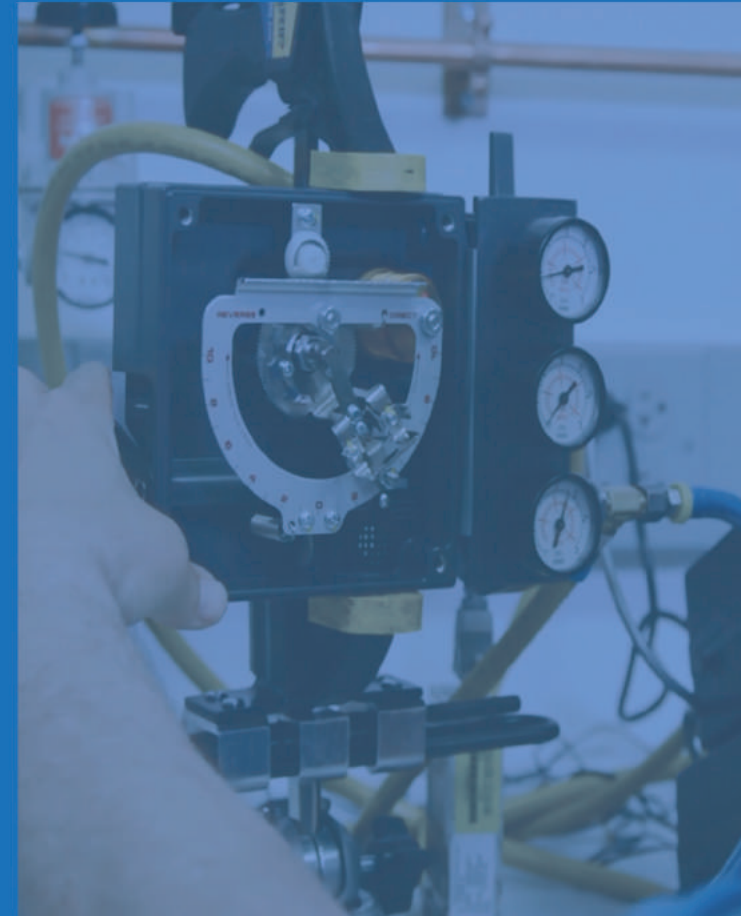
680 Waltz Mill Road
Madison, PA 15663
724-722-5125

Northeast

8 Colorado Street
Plattsburgh, NY 12903
518-566-6450

Midwest

36400 S. Essex Road
Wilmington, IL 60481
815-458-7851



Exelon PowerLabs.

The true measure of excellence

Our Services

Due to the breadth of our experience in the nuclear industry, we have amassed an extensive inventory of lab equipment to perform a full-spectrum of calibration, testing, and analysis services. We also provide the following independent technical services:

- Component Failure Analysis
- PQI - Critical Parts Testing
- Commercial Grade Item Testing
- Diesel Fuel, Grease, and Lubricant Testing
- Chemical Analysis & Testing
- Material Identification
- Metrology

These services are performed by our staff of engineers and technicians with profound expertise in their field.

Component Failure Analysis

Understanding the characteristics that caused an unplanned failure is critical when determining corrective actions to prevent future occurrence and potential catastrophic damages. Our wide range of lab equipment — combined with digital access to decades of failure records — enables our team to quickly identify the root cause of failures.

PQI — Critical Parts Testing

This process aides in reducing unplanned plant outages and production downtime by identifying parts-related issues that may occur in real use case scenarios under specific performance criteria. By subjecting samples of parts to rigorous testing and analysis before implementation, we can

provide our customers with reasonable assurance of parts quality — saving them time and money upfront. Exelon Power-Labs has tested over 50,000 parts and have successfully identified over 3,300 deficient parts. Savings include:

- 70% reduction in MW-hr losses - AP-913 cause code “Quality Parts & Services”
- Parts warranty replacement recovers 70% of program testing costs

Commercial Grade Item Testing

CGI is a process of performing tests and analysis on parts, components, or equipment to verify the critical characteristics of items that are being dedicated for commercial grade use or in a safety-related application. We test over 12,000 items annually providing our customers unmatched reliability and a cost-saving alternative to OEM replacements.

Material & Metallurgical Identification & Analysis

We utilize various methods such as electron microscopy and hardness testing to perform identification and analysis of alloys, materials and metals.

Appendix B Calibrations

Our Quality Program satisfies the requirements of 10 CFR 50; Appendix B, 10 CFR 21, ISO 17025, NQA-1 and ANSI N45.2 – and is audited routinely by NUPIC and NIAC for continued compliance.

Diesel Fuel, Grease, & Lubricant Testing

We test and certify “Safety-Related” diesel fuel, grease, lubricant, and oils for use in nuclear power facilities.

Chemical Analysis & Testing

Our chemical testing and analysis services includes trace analysis, metals testing, contamination detection and identification of unknown substances for a wide range of purposes, such as material identification and characterization to quality control monitoring.

Approved Nuclear Supplier

Being an Approved Nuclear Supplier requires strict adherence to the Code of Federal Regulations 10 CFR 50; Appendix B, 10 CFR 21, NQA-1 and ANSI N45.2. These guidelines are the basis for which we have built our Quality Program. The Nuclear Procurement Issues Committee and the Nuclear Industry Assessment Committee regularly audit our Quality Program. This audit — made available to the industry — certifies our competence as a nuclear supplier, and aides in streamlining our relationships with nuclear constituents.

All of our services align with the scope of our Appendix B program, providing our nuclear customers the benefit of having a single-source vendor for all their laboratory needs.