

# 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 to be your true one-stop-shop.**



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

# CALIBRATION 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

PowerLabs is regarded as the leading calibrations lab in the power industry, having amassed knowledge and capabilities in virtually all aspects of metrology. We maintain a broad range of calibration standards under a scope that is accredited by A2LA and perform more than 90,000 calibrations annually.

Our metrology aptitude and disciplines extend to any quality-sensitive industry requiring ISO 17025 accredited calibrations. From large enterprises to small manufacturers, our customers benefit from having an experienced supplier to fulfill virtually all their laboratory requirements.

## Our Measuring Capabilities

**Air Velocity** — Pilot Tubes, Thermal

**Dimensional** — Bore & Depth Gages, Calipers, Dial Indicators, Durometers, End-Measuring Rods, Gauge Blocks, Go/No-Go Rings & Plugs, Micrometers, O-Rings, Optical Comparators, Optical Flats, Surface Plates, Thickness Gages and more

**Electrical** — Analog & Digital Meters, Attenuators, Calibrators, Capacitors, Counters, Data-Loggers, Conductors, Function /Pulse Generators, Hipots, Inductors, Meggers, Multimeters, Oscilloscopes, Power Supplies, Recorders, Resistors, Signal Generators, Spectrum Analyzers, TDRs, Time & Frequency and more

**Flow Rate** — Leak-Rate Monitors, Mass-Flow Meters, Orifice Plates, Rotameters, Turbine Meters, Ultrasonic Flow Meters

**Force** — Tension & Compression (up to 500,000 lbf)

**Humidity** — Dewpoint, PPM/Water, rH Indicators, Chart Recorders

**Hydrometers** — Displacement, Electrical

**Light** — White, Visible (up to 2,000 ft. Candles / ft.), Lamberts UV, Black (up to 1,000  $\mu\text{w}/\text{cm}^2$ )

**Mass** — Scales, Balances, Weights from working to ultra-class (up to 30 kg)

**Optics** — Theodolites, Transits

**Pressure & Vacuum** — 1 mTORR (up to 40,000 PSI gauged)

**Sound Level** — Meters, Calibrators, Pistonphones, Microphones

**Tachometers** — Contact, Electronic, Mechanical

**Vibration** — Accelerometers, Low-Frequency Analyzers, Shakers

**Radiation** — Alpha, Beta, Gamma (Air Sampling Equipment), Area Radiation Monitors, Count-Rate Monitors, Geiger-Mueller Counters, Ion chambers, Monitoring/Protection Equipment, Pencil and Electronic Dosimeters, Telescoping Radiation Detectors

**Temperature** — (Up to 1,200° C) Baths, Calibrators, Indicators, Ovens, Recorders, SPRTs, RTDs, Simulators, Thermocouples, Thermometers, Triple Points  
IR range: -20° C to 500° C

**Torque** — Hydraulic, Mechanical, Pneumatic (up to 20,000 lbf), Multipliers. Screwdrivers, Transducers, Wrenches

**Valve Diagnostic Equipment** — V.O.T.E.S., M.O.V.A.T.S., Quiklook, Crane

## High Voltage/Energy Calibrations

- Capabilities and measurement in compliance with IEEE Standard 4 and IEC 60062-2
- Impulse Voltage to 2.5MV
- Current to 5000 Amp 17025 Accredited
- NMI traceable current to 20,000 Amps
- AC Voltage (50 / 60 Hz) &, DC to 200 KV 17025
- NMI traceable calibrations to 1 MV AC and 400 KV DC
- AC Voltage to 750KV 17025 Accredited
- Partial Discharge calibrators 17025 Accredited
- Impulse Voltage to 2.5MV - Accreditation expected Fall 2019
- Tan Delta and HV Capacitance

## 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 (NUPIC) and the Nuclear Industry Assessment Committee (NIAC) regularly audit our Quality Program. These audits — 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.