



## Rates for Industrial and Commercial Services

AZBTR Firm Registration – Registration No.: 25843-0 | NVBPELS Firm Registration – Company ID: 37136 | WYOPELS Business Entity Registration, License No. E-2618  
NV A-17 License # 0086424; Bid Limit: \$10,000 | NV C-2 License # 0086568; Bid Limit: \$10,000 | MSHA Contractor ID: C0939

### Hourly Rates

Professional Engineering Services	Standard Rates
Licensed Professional Engineer (P.E.)	\$250 – \$400/hr
Engineering Technician	\$150 – \$300/hr

  

On-Demand Field Services	Standard Rate
Field Engineering	\$400/hr

### Test Equipment & Specialty Tool Rates

Digital Low Resistance Ohmmeter	\$25/day
Insulation Resistance Tester	\$25/day
Software Diagnostic Tools (w/ Laptop)	\$50/day
Thermal/Infrared Camera	\$250/day
Documenting Process Calibrator	\$500/day
Test Equipment & Specialty Tool Rentals	Cost + 20%

### Professional Engineering Services

Professional engineers are individuals who, by reason of their professional education, training, and practical experience with applying specialized knowledge in mathematics, physics, and the engineering sciences, are granted a license by a state board to practice professional engineering. Examples of professional engineering include surveying, consultation, field investigation, evaluation, planning, design, supervision of construction, or supervision of operations in connection with any public/private utility, structure, building, machine, equipment, process, work, or project, wherein the public welfare or the safeguarding of life, health, or property is concerned or involved.

### Technical Consulting Services

Consulting is providing technical advice and counsel based on sound technical facts, professional opinions, as well as industry recommended standards and practices.

**\*Additional Technical Services Available Upon Request\***

**IPE-TS's Engineering Consulting and Electrical Contracting expertise is on call to provide a wide-range of Technical Services and Support for your Industrial and Commercial Electrical Power System needs.**

For more information please contact [administrator@ipe-ts.com](mailto:administrator@ipe-ts.com) or call +1 (702) 513-5018 or visit us at [www.industrialpowerengineering.com](http://www.industrialpowerengineering.com).

### Power Engineering & Technical Services Scope:

- Professional Engineering (A.R.S. §32-101(B)(11); NRS 625.050; W.S. 33-29-201(a)(vii))
- Engineering Contracting (NRS 624.215(2); NAC 624.150(17); NRS 625.520(3))

### Examples of Services Offered:

- Power System Protection & Controls Engineering (Generation/Transmission/Distribution); Electrical System Design, Consulting, Analysis, and Peer Review; Expert Witness Services
- Power System Studies: Modeling, Short-Circuit Analysis, Device/Equipment Evaluation, Protective Device Selective Coordination, Arc-Flash Hazard Analysis and Incident Energy Reduction/Mitigation, Power Quality, Harmonics, Load Flow, Motor Starting, Stability, etc.
- Standards/Code Compliance: North American Electric Reliability Corporation (NERC), NFPA-70® – National Electric Code® (NEC®), and IEEE-C2 – National Electric Safety Code® (NESC®)
- Start-Up & Commissioning Activities: Technical Oversight, Planning, Reporting, QA/QM/QC, Functional Checks, and Field-Testing (per ANSI/NETA ATS and ECS Specifications)
- Electrical Maintenance and Inspections (per NFPA 70B and ANSI/NETA MTS Specifications)
- Development/Implementation of Predictive, Preventive, Reactive Maintenance Programs
- Emergency Dispatch/Standby: Outage Support, Restoration, Investigation, Event Analysis
- Power System Operations: Switching, System Optimization, Development of MOP's/SOP's
- Troubleshooting and Diagnostics of Power, Instrumentation, and Control Circuits
- Computer Aided Design and Drafting (CADD) Services
- Research, Mentorship, and Training

### Rate Policy and Terms

- On-site work, site specific training, remote work, phone support, preparation/standby time, mobilization/demobilization/travel time, job estimating/quoting efforts, and report drafting time are considered services provided and will be billed at the applicable hourly rates.
- Travel to/from the jobsite will be round trip from the nearest IPE & Technical Services office.
- A minimum daily billing of 8 hours for services provided (including standby time) will apply.
- Work greater than 8 hours per day will be billed at 1.5 times the applicable hourly rate.
- For immediate response (in less than 24-hours), Emergency Field Service Rates will apply.
- In addition to hourly rates, all products, materials, supplies, equipment, specialty tools, test equipment, and subcontract labor required to support IPE & Technical Services – including lodging/travel/living/transportation expenses – will be billed at cost + 20%. Consult with IPE & Technical Services for specific applicable charges, taxes, and/or fees.
- The sale of Products/Services is expressly conditioned upon the Buyer's assent to "Industrial Power Engineering & Technical Services, LLC – Terms and Conditions" in Appendix B.