Charles G. Forster

Charles Forster organized Forster Electrical Engineering in January 1981 as a consulting firm. Mr. Forster has provided professional design services to electric and water utilities in Wisconsin and neighboring states, and has provided consulting services to industrial and commercial clients throughout the United States.

The areas of professional activity Mr. Forster presently pursues are similar to those pursued since 1968.

Education: University of Wisconsin - Madison, WI
BSEE degree, 1967

Registered professional engineer in the following states:

Wisconsin-Active	Michigan-Retired
Indiana-Retired	Illinois-Retired
Iowa- Retired	Minnesota-Retired
New Mexico-Retired	Arkansas-Retired
Texas-Retired	Kansas-Retired

Continuing Education Credits:

Insulation coordination - University of Wisconsin
Construction safety - University of Wisconsin
Transmission line structure design - University of Wisconsin
Energy auditing - University of Wisconsin
National safety code seminar - ANSI Seminar
Microprocessor fundamentals - University of Illinois
Engineering expert and the courts - University of Wisconsin
Power cable clinic - University of Wisconsin

Experience:

Oak Manufacturing Company, Crystal Lake, IL (1967-68)
Applications engineer

Waters & Associates, Madison, WI (1968-1981)

Forster Electrical Engineering, Oregon, WI)
President and owner (1981-2000)
Senior Consultant (Since 2000)

Phasor Labs (Proprietor)

Professional Societies:

Institute of Electrical and Electronic Engineers - SW Wisc.
Membership Chair, VP and Chair 1981-1984

Illuminating Engineering Society of North America

Seminar Presentations:

Power line problems in industrial environments	Los Angeles, CA (1986-87) Houston, TX (1986-87) Univ. of Wisconsin (1988-05)
Advanced power quality	Univ. of Wisconsin (1994-00)
Power quality investigations	MEUW -(1997-99) WECA/WFC -(1997-03)
Stray voltage on the farm	Wisconsin Electric Co-ops (1984) Univ. of Wisconsin - Stout (1985) Moraine Technical Institute (1985) Stray Voltage Roundup (1990) Wisconsin Farm Elec. Council (1992-94) Midwest Rural Elec. Council (2002-05) NRAES (2003)
Stray voltage training	Univ. of Wisconsin Ext. (1993-06)
Electrical power in marinas	Univ. of Wisconsin (1984-99) International Marina Conf. (1997)
Lift station design	Univ. of Wisconsin (1994-03)
Metering and harmonics	WECA/WFC - Eau Claire, WI (1993-96)
Natural Resource, Agriculture and Engineering Service	NRAES - Camp Hill, PA (2003)

Professional Committees:

Wisconsin Electrical Code Committee for NEC Code (1990-96)
Wisconsin Electrical Code Committee for NESC Code (1990-96)
Wisconsin Electrical Inspection Committee (1990-94)
Wisconsin Utilities Assoc., Stray Voltage Committee (1989-96)
Wisconsin International R-O-W Committee (1989-07)
Wisconsin DNR Lift Station Code Committee (1990-91)
Wisconsin Power/Communications Committee (1989-96)
Wisconsin Joint Use Committee (1996-07)
Wisconsin Dept. of Ag., Stray Voltage Advisory Council (1989-99)
Public Service Commission of WI, Stray Voltage Docket 106 (1989-90)
Public Service Commission of WI, EMF Docket 108 (1990-96)
Public Service Commission of WI, Stray Voltage Steering Committee(1994-96)
Wisconsin Dept. of Agric.-"Other Electrical Phenomena" Committee-(2000-06)

Publications:

American Society of Civil Engineers. Planning and Design Guidelines for Small Craft Harbors. ASCE Manuals and Reports on Engineering Practice No. 50. Inner harbor electrical design. Revised edition. New York, NY: American Society of Civil Engineers, 1994.
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Phasor Labs

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Engineering Fee Schedule

Consulting services

Includes all work including field investigations, analysis, attorney assistance, depositions, and court appearances, general office work, site work by C. Forster.
$275/hour

C. Forster travel/hour in excess of 8 hours per visit.
$150/hour

Field engineer assistant (travel and work time) $115/hour

A $2500 technical service fee will be assessed at the beginning of each project that involves field investigations. If special equipment is required, equipment will be provided for the direct cost of rental.

Payment: Projects will be invoiced on a monthly basis with payment expected within 30 days before interest will accrue.

Equipment security: The client is responsible for the security and safety of all monitoring and test equipment at client locations. Phasor Labs insures equipment against loss ($1000 deductible) under most conditions, provided reasonable precautions are employed in the care and security of the equipment.

Shipping & handling: These charges reflect standard fees, which include actual shipping charges, handling fees and insurance fees.

Travel costs: Air travel, car rental, lodging, tolls and similar expenses are billed at cost. Use of company auto/truck ($0.75/mi). Use of field trailer ($0.25/mi).

Effective Date: These rates are effective as of Nov 1, 2007.