

GEOFF WALKER

PE, PMP, CCP, LEED AP

Oregon, Washington, Colorado, New Mexico
geoff.walker.97212@gmail.com • Cell: 503.313.1861

ELECTRICAL ENGINEERING • PROJECT MANAGEMENT • ESTIMATING ECONOMIC ANALYSIS • LIFE CYCLE MANAGEMENT • RISK MANAGEMENT

**Specializing in Electrical, Mechanical, I&C, DDC, Structural, Cyber Security
Heat Exchangers, GSU Transformers, ASME III-Class 2 Systems, ISFSI, Plant Fire
Detection, Leading Edge Flow Meters, Digital Upgrades, Open Phase Vulnerability
Detection, Pumps, Motors, Valving, Large Bore Piping, Renewable Energy Sources**

Construction and engineering professional with over 25 years of experience in project management. Innovator in sustainable building methods and practices. Verifiable history of successful projects achieved through capable resource and cost management, building rapport with project teams and cultivating partnerships with stakeholders. Major projects include semiconductor, nuclear energy, nuclear remediation, manufacturing, municipal, industrial, institutional, wind energy, energy storage, battery storage and solar energy.

PROFESSIONAL EXPERIENCE

Estimating Manager

N3B Los Alamos, Los Alamos, NM

6/2018 – current

Responsible for managing a team of 6 estimating professionals for a \$1.3B FAR 15 contract. Contract period of performance is 10 years. Team generated 10 requests for equitable adjustment and contract change proposals valued at \$1B and subject to certified cost and pricing requirements. Sole source accountability for all work products relative to contract change proposals delivered to DOE. Responsible for interfacing and responding to all EMCBC/EM-LA audit requests. Safeguard the fidelity of all work products produced by the estimating team.

Key projects include fire stations, parking structures, laboratory space, office space, solar energy, utility infrastructure, BESS (battery storage) and wind farms.

Project Manager / Estimator – CPM / Asset Management

Energy Northwest, Richland, WA

12/2009 – 6/2018

Energy Northwest is the owner/operator of Columbia Generating Station, a 1250 MWe GE BWR5 nuclear power plant with Mark II containment. As estimator, single source responsibility for capital construction costs validation and estimating. Implement, build, manage and monitor estimating department. Establish consistency in the estimating process. Produce quality deliverables and work products. The estimating process demands detail even at the conceptual study phase. Engage and seek answers to critical questions that are not considered and incorporate them into cost development proposals. Perform business case analyses on projects where there is a perceived payback. Review and revise existing project estimates created by other organizations and departments. Generate new estimates from limited information and lack of detail using knowledge, skills and abilities. As project manager, identify all stakeholders in the enterprise and engage at all levels. Seek feedback from stakeholders on services. Provide subject matter expert services for constructability reviews and scope encapsulation. Maintain accuracy and quality of work products and achieve high client satisfaction. Manage capital projects from study and design through commissioning. Experience managing teams greater than 50 persons and projects valued at \$20M.

Key Projects

- Radio Obsolescence – Manage implementing activities to replace wide-band radio system with a new digital narrow band system. All plant areas affected.
- Main Generator Replacement – Manage implementing activities to replace 25-500KV GSU transformers and related ancillaries.
- Cyber Security Program – Collaborate with cyber security team to perform studies and designs in accordance with NEI 08-09 requirements and a graded approach to critical digital assets. Perform gap analysis between NEI 08-09 and FERC order 706. Assist project team during procurement, implementation and commissioning phases.
- ISFSI Expansion - Lead study and design efforts to expand existing installation to accommodate spent fuel MPCs to end of current license period.
- RHR/FPC Cross-tie – Lead study, design and procurement to install a legacy plant design issue. The cross-tie allows for a separate means of shut down cooling. Maintenance can then be performed on the main shut down cooling line.
- Main Condenser Replacement – Original condenser modules and waterboxes replaced to enhance power uprate. Advise project team on value of project changes. Critique change order proposals from implementing contractors. Generate surveillance reports from change order analysis. Support litigation efforts.
- Long Range Plan – Develop estimates from limited scope information and incorporate into a logical 10 year plan. Fiscal year project placement based on a number of requirements including budget constraints, regulatory commitments and preventative maintenance cycle requirements.
- BPA FOTT 500/230kV Systems Upgrade – Redundant fiber optic turbine trip signals and equipment added. Project performed online. All turbine trip signals are considered high risk evolution tasks.
- RWCU Return Line Dose Elimination – Reactor Water Cleanup piping replaced due to elevated dose rates in Steam Tunnel.
- Eliminate Drywell Identified Leakage – Replace ASME S3-D1 piping in drywell. Pipefitter work activities were inside a locked high rad area. Estimates need to account for loss of production and person-REM dose limitations.
- Main Steam Trap Replacement – Code Programs identified several steam traps needing replacement from wall thinning corrosion. Generated estimates based on priority ranking.
- BESS (battery storage) partnership with city of Richland.
- Solar farm expansion
- Wind farm expansion
- Hydroelectric dam operations and maintenance

Cost Engineer

U.S. Department of Energy – Project Time & Cost, Richland, WA

3/2009-11/2009

Provide project controls to support overall Department of Energy (DOE) mission to recover dangerous nuclear waste from aging underground storage tanks and vitrify the waste for transport. Support corporate endeavors to provide project management, technical consultation and cost engineering services for various clients throughout the nation and world. Provide technical and cost evaluation services with mechanical and electrical emphasis to corporate customers.

Key Project

- Valued at \$12.1 billion dollars in 2009 with a scheduled turnover to DOE in late 2019, this project is the largest in the United States at present. Government sequestration to impact cost and schedule. Evaluate Requests for Equitable Adjustment regarding technical merit and price accuracy. Generate cost estimates using realistic cost data and experience to assist DOE in establishing the government's pre-negotiation position. Create technical evaluation reports and pre-negotiation recommendations. Provide conceptual estimates and probabilities for risk assessment and risk management

programs. Empower government stakeholders by developing proposals uninitiated by EPCC contractor.

Project Manager / Estimator

Electrix, LLC, Vancouver, WA

3/2007-1/2009

Secured and managed electrical construction contracts for a regional electrical contractor. Utilized electrical/I&C and construction knowledge to generate proposals for commercial, semiconductor and industrial projects. Managed these projects to completion with significant ROI, high client satisfaction and client retention. Facilitated and provided collaborative solutions for end-user critical processes and programs. Notable projects include D1C/D1D 1268_ Conversions, Data Center, JF IBA Lab, JF Photovoltaic Farm and Aloha Deferrals.

Key Project

- Managed \$1.7 million LEED certified university learning center remodel of a 100 year old building. Remodel consisted of complete demolition of existing service and systems. Implemented a new electrical service design with buyout. Engineered and managed installation of new daylighting controls systems. Significant savings attributed to value engineering of light fixtures, daylighting controls and dimming control systems. Project completed ahead of schedule with a solid rate of return.

Project Manager / Estimator

S.I. Grace, LLC, Tigard, OR

3/2005-3/2007

Secured and managed general construction contracts for a regional general contractor. Continually created, identified and developed new business opportunities. Performed design-build, pre-construction, development due-diligence and entitlement services for multiple clients. Responsible for overall project profits through efficient use of project scope and buy-out. Utilized knowledge in mechanical and electrical systems as a solution provider to achieve project success, cohesion and vision.

Key Project

- Managed construction of a \$3 million, 16,000 square foot insurance claim center on a 3.5 acre parcel. Constructed during the wettest winter in the last 30 years with a new type of pervious asphalt paving and a multitude of design revisions. Project completed one month ahead of schedule with a significant rate of return and extremely high client satisfaction. Client construction manager stated "This site defines the level of quality and service that we will expect from our other facilities."

Project Manager / Estimator

Cochran Broadway Electric, Portland, OR

3/2003-2/2005

Secured and managed electrical construction contracts for a regional electrical contractor (\$240 million / year). Continually created, identified and developed new business opportunities including design-build developments. Generated success through solid planning and organization of projects with full P&L responsibility. Pioneered development of resource-loaded schedules to increase revenues and decrease costs.

Key Project

- Managed construction of a middle school remodel and addition valued at \$525,000; discovered and ensured correction of several design issues: chief among them was the lack of available fault current protection for existing electrical equipment; increased production by 40% through planning, research and crew mix; saved 30% on light fixture package; no delays, well under budget and with high client satisfaction.

Project Manager / Estimator

Dynalectric, Portland, OR

5/2002-3/2003

Managed electrical construction projects for large electrical contractor with revenues exceeding \$1 billion per year. Responsible for overall P&L of projects. Balanced up to 7 projects concurrently. Supervised and fostered growth of 30 electricians. Partnered with clients to provide design-build expertise on LEED gold certified projects. Created and consistently sought competitive bidding advantages by carefully scrutinizing documents for design discrepancies prior to bid.

Key Project

- Oversaw several independent tenant improvement projects for a major multi-block mixed-use development in downtown Portland, largest of which was an \$850,000 contract for a 50,000 square foot brokerage tenant; provided design solutions as well as reengineering a robust lighting design; exceeded owner expectations while delivering a greater than 30% margin.

Project Manager / Estimator

Shaw West Co, Tualatin, OR

3/2000-5/2002

Managed and developed electrical contracts for (\$12 million / year) company. Efficiently operated service department with a margin of 47.5%. Developed and implemented new computer networking and software/hardware systems for operations. Chaired and attended safety committee tasked with enforcement and implementation of safety policies. Consistently pursued the personal mandate to strike an effective balance between the needs of the clients and the requirements of the company.

Key Project

- Completed \$30 million renovation project to Civic Stadium (now PGE Park), an 18 month project condensed to 9 months with major logistical site issues, design challenges and peak crew of 60 electricians; finished on-time, under budget and zero lost time accidents.

Software Instructor (part-time, concurrent with Shaw West)

NECA / IBEW Electrical Training Center, Portland, OR

10/2000-2/2001

Provided Microsoft Office software training for apprentice and journeyman electricians.

Project Manager / Estimator

Performance Contracting, Inc., Tigard, OR

6/1994-3/2000

Organized and managed drywall construction projects for large specialty contractor with revenues exceeding \$600 million per year. Cultivated new opportunities with repeat business from client base and established new relationships with targeted proposals and contracts. Supervised CAD operations either through in-house designers or outsourced operators. Designed and implemented MS Access database to create and track changes. Integral part of construction team for various semiconductor clients around the Portland metro area.

Key Projects

- Executed \$780,000 drywall construction contract for 300 bed detention facility and related administration remodel; sought productivity improvements and cut material costs by managing workflow and mitigating waste; completed on-time, with no lost time accidents and well under budget; despite carpenter labor dispute.
- Successfully managed \$300,000 drywall construction contract for an operational US Postal Service 100,000 square foot distribution and sort facility. Increased production by

40% by prefabrication of work that would have otherwise been built on elevated platforms and by working outside of normal sort hours.

Carpenter, Rough Framing

Various Residential Contractors, Portland, OR

6/1989-9/1993

Sole responsibility for framing single family and multi-family single level and multi-level dwellings.

EDUCATION & PROFESSIONAL DEVELOPMENT**Bachelor of Science, Construction Engineering Management**

Minor: Business Administration

Oregon State University, Corvallis, OR

Professional Engineer – PE - Electrical Power

Certified Cost Engineer - CCE (AACEI Accreditation)

PMI Project Management Professional - PMP

USGBC Leadership in Energy and Environmental Design Accredited Professional - LEED AP

COMPUTER SKILLS

- Microsoft Project, Excel, Word, PowerPoint, Access, Visio, Sharepoint
- Crystal Ball
- AutoCAD
- Traces MII V3
- Primavera P6, Suretrak, Expedition
- Timberline
- Conest
- Accubid
- ICE2000
- Richardson's WinRACE
- Harddollar
- Cobra
- Network Administration
- Software & Hardware migration, conversion and support