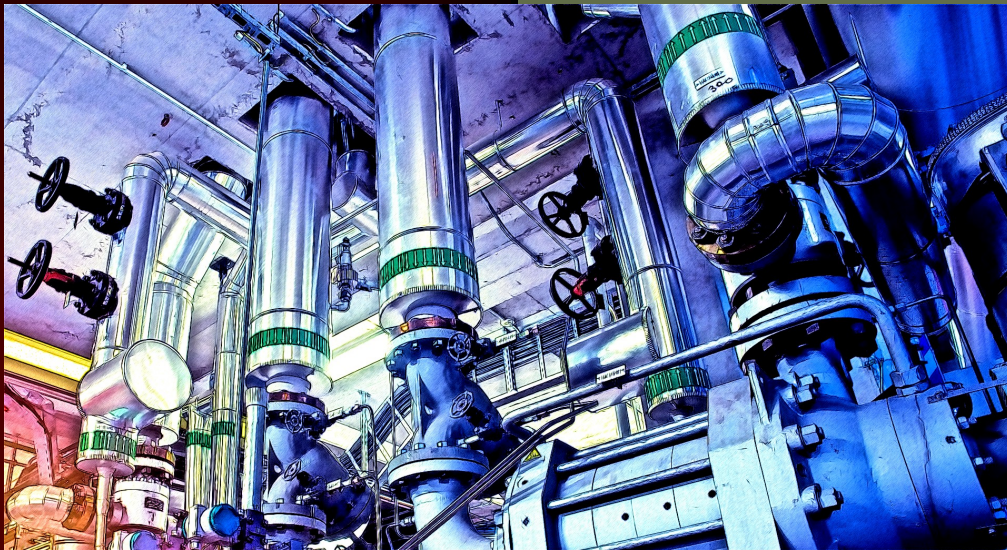


# W. JAMES O'BRIEN ASSOCIATES

Mechanical and Manufacturing Cost Estimators



Carbon dioxide capture compressor module

Getty Images

Focused on:  
Indirect coal liquefaction  
Solid-fuel gasification  
Cooling water waste heat recovery  
6-Stage Flash Desalinization

## 2025 BROCHURE

19 EIGHTH STREET SOUTH  
PMB # 109

FARGO, NORTH DAKOTA 58103 USA

E-MAIL: [CUSTOMERSERVICE@INDUSTRIALCOSTANALYSIS.COM](mailto:CUSTOMERSERVICE@INDUSTRIALCOSTANALYSIS.COM)

CONSTRUCTION BID AND PROPOSAL DEVELOPMENT

PRO FORMA FIRST-COST AMORTIZATION SCHEDULING

MARKETING SUPPORT AND PRESENTATION MATERIALS

PROCUREMENT SOURCING AND VENDOR SCREENING

PROJECT TRACKING & REPORTING

PERMITS, VARIANCES AND APPROVALS EXPEDITING

FISCAL STUDIES, CARBON CAPTURE AND MONETIZATION

FISCAL STUDIES, SLAG, FLY ASH & MSW ASH MONETIZATION

FISCAL STUDIES FOR MINE SHAFT CONVERSION TO PUMPED-STORAGE HYDROELECTRIC GENERATION & FARM IRRIGATION

# PARTIAL REPRESENTATIVE PROJECT LISTING, POWER PLANT CONSTRUCTION COST ESTIMATION AND BID PREPARATION

Wyler Industrial Works, Inc.	(60+) Kewanee Type "C" firetube boiler retubing, burner upgrades
Seattle City Gas & Light	(6) Cat 671 Diesel 1.5 MW installation (total: 9.0 MWe)
Electrogenerators LLC	(1) 60 MW GE LM-2500 triplex installation—(3) 20 MWe
Everett Community College, Washington	(2) GE J-47 stand-mounted jet engines for maintenance training
PacAlta, Tarapoa, Ecuador	(7) RR Allison 501 KA 2.5 MW genset trailers (total: 17.5 MWe)
Delano Electric Cooperative, Minnesota	(2) RR Spey Mk 1901, 12 MW installation & (1) spare (total: 24 MWe)
BWS Powerplant Inc., Cedarhurst, NY	(5) LIPA 196 MWe GE-7FE CCGT pro forma scenarios
Iron Mountain Electric Cooperative, Michigan	(2) Orenda OTF-3 twin 10 MW installation (total: 20 MWe)
TARM Inc., Red Deer, Alberta, Canada	(4) STG's & boiler pre-demolition valuation survey, 600 MW total
Adirondack Combustion Technologies, NY	20+) RR Allison 501 KB5 + HRSG cogeneration site studies
TARM Inc., Red Deer, Alberta, Canada	(1) 40 MW refuse-fired STG plant, Electricite d'Haiti sales proposal
TARM Inc., Red Deer, Alberta, Canada	(1) 51 MW LM-5000 simplex peaker plant turnkey sales proposal
S & S Turbine Services Limited, Canada	J-79 military aircraft maintenance agreement
S & S Turbine Services Limited, Canada	US Navy combat aircraft export documentation
Turbine Power Services, Fremont, Nebraska	Klimov TB3-117 commuter catamaran installation
Turbine Power Services, Fremont, Nebraska	Klimov TB3-117 turbine engine U.S. maritime marketing campaign
Everett Engineering, Everett, Washington	Gas turbine generator silencer enclosure and foundation bids
Everett Engineering, Everett, Washington	Commercial ship propshaft weld repair ABS approval documentation
BWS Powerplant, Inc. Cedarhurst, NY	8 MWe turbine generator-driven desalinization power plant estimates
Troy Mechanical Inc., Troy, Michigan	Fluidized bed boiler quotation for USDOE alternative fuel project
Badger Boiler, Milwaukee, WI	Oil to natural gas boiler burner replacement
Baltes/Valentino Engineers LLC , Phoenix, AZ	(11) waste heat recovery cogeneration projects
J & W Mechanical Contractors, Inc., Hagerstown, MD	(3) NFPA-compliant fire protection system piping projects
Can-Am Generators, Inc., Toronto, Ontario Canada	(7) package gas turbine generator quotations
Comprehensive Design, Inc. Milwaukee, WI	Over 20+ asbestos piping and HVAC vent remediation bids

Full listing available upon written request

## SPECULATIVE AND PRO BONO WORK

Red Rock Power LLC, Binghamton, NY	100,000 pph district cogeneration heating/cooling system
County of Onondaga, New York	20 MW biomass/ coal chemical cogeneration plant
Turtle Mountain Chippewa Band, Belcourt, ND	20 MW biomass/ syngas/ chemical cogeneration plant
CCEMC CO2 Monetization " Grand Challenge"	Proposal for CO2 capture for chemical refinery feedstock
US Bureau of Mines, Washington, D.C.	Economic analysis, 30+ prospective pumped storage hydro sites
SNC-Lavalin, Montreal, PQ Canada	Economic analysis, F-M Diversion 200 MWe pumped storage plant
Wood Group, Calgary, Alberta, Canada	Marketing program proposal for CCUS retrofit to coal plants

# TECHNICAL WRITING SERVICES

W. James O' Brien Associates not only provides your engineering team with competitive bids but also with scrupulously crafted and edited work instructions, procedures for inspection and test, forms design, and the writing and editing of complete quality control manuals.

Standards compliant production and project tracking services are also available on either a bonded or free-agent basis. As per your scope of work, this includes jobsite photographic work and as-built reports based on thoroughgoing interviews of the associated workforce teams.

## PAST SATISFIED CLIENTS FOR WRITING SERVICES AS OF 2022 INCLUDE:

Adirondack combustion Technologies, Duanesburg, New York  
Everett Engineering, Inc. Everett, Washington  
S & S Turbine Services Inc., Fort St. John, British Columbia Canada  
Hughes Aircraft USAF Plant # 44, Dept. C-5900 Tucson, Arizona  
IBM Tucson, Arizona and Rochester, Minnesota  
Precision Dynamics, Inc. Charlotte, North Carolina  
Piedmont Heat Treating, Inc. Charlotte, North Carolina  
Metro Metal and Design, Inc. Charlotte, North Carolina  
Piqua Engineering Armament Systems Division Piqua, Ohio  
Bio-Defense Corporation Boston, Massachusetts  
Fuelmiser, Inc. New York, New York  
McIntyre Industrial Inc. Port Colbourne, Ontario Canada  
Allied Marine & Industrial Inc. Port Colbourne, Ontario Canada  
RPM Inc. Calgary, Alberta Canada  
Combustion G & O Ltee Granby, Quebec Canada  
Newton Machine Company, Inc. Charlotte, North Carolina

## WRITING PROJECT HISTORY

2025 Finalization of editing, financing and design of book drafts  
2024 Research on vanadium battery manufacturing and usage economics and  
2023 microwave desalinization methods for improving the economics of power plant cooling  
2022 Completion of first draft of " Coal Indirect Liquefaction Using Thermal Plant Waste Heat"  
2022 Completion of first draft of " Coal & Co-Firing Power for the 22nd Century"  
2020-Present Remote technical training, research and book manuscript development  
2018-2020 Conducted pro bono research in support of CO2 survey sounding rocket project  
2015-2017 Economic analysis for (30+ ) abandoned-mine pumped storage hydro plants  
2012-2014 Speculative economic analysis , 200 MWe hydro plant, SNC-Lavalin/FM-Diversion  
2013-Present Book manuscript tentatively entitled " Carbon Capture And Its Monetization" "  
2013-2015 Federal project proposal writer, Fuel Miser Inc.  
2010-2016 Technical writer serving the coal power and mining industry, American Coal Council  
2003-2010 On-demand opinion & editorial writer, Israel National News  
1999-2009 Technical proposal & regulatory approvals writer, S & S Turbine Services  
2004-2005 Book publisher marketing troubleshooter & proposal writer, Shamir Publishing Inc.  
1997-1999 Project manager & operation/repair manual writer, RPM Inc.  
1995-1996 Quality assurance system installer & certification writer, McIntyre Industrial Inc.  
1994-1995 Technical writer and press release writer, Turbine Power Systems, Inc.  
1994-1995 Quality assurance technical writer & systems installer, Southern Cast, Inc.  
1994-1994 (4) articles on industrial metals casting quality assurance, Modern Casting Magazine  
1993-1994 Quality assurance writer & systems installer, Piedmont Heat Treating, Inc.  
1993-1994 Quality assurance writer & systems installer, Newton Machine, Inc.  
1993-1994 Quality assurance writer & systems installer, Precision Dynamics, Inc.  
1993-1996 Market research & intelligence writer for gear manufacturer, Ashot Ashkelon Inc.  
1992-1993 Quality assurance technical writer & systems installer, Metro Metal & Design, Inc.  
1991-1992 Certification & approvals writer for fuels wholesaler, Schmitt Sales, Inc.  
1990-1991 Approvals writer, proposal writer for fuel exporter, Nolan Enterprises Inc.  
1990-1991 Technical writer, Piqua Engineering, Inc., Armament Systems Division  
1990-1991 Freelance writer, Rochester (Minnesota) Post-Bulletin  
1988-1989 Technical writer, TechComm, Inc.  
1986-1989 Marketing columnist, Milwaukee Reporter (serving the construction industry)  
1985-1985 Quality assurance & approvals technical writer, Hughes Aircraft Company Inc.  
1983-1984 Proposal writer & estimator, Arizona Boiler Company , Inc.  
1981-1982 Proposal writer & estimator, Wyler Industrial Works, Inc.

Full listing available upon written request

# W. JAMES O'BRIEN ASSOCIATES

Mechanical and Manufacturing Cost Estimators

SURPLUS ASSET RECOVERY  
VALUATION SURVEYS

SURPLUS ASSET RECOVERY  
REFURBISHMENT AND  
RE-COMMISSIONING

SURPLUS ASSET RECOVERY  
MARKET DEVELOPMENT

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