

Valerie A. Mason

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Summary of Qualifications

Valerie Mason is a technical consultant with experience in the energy field including renewables, cogeneration, distributed generation and economic analysis. Her recent projects include the analysis and ranking of prospective solar and wind project sites; feasibility studies for wind projects including wind maps, estimated energy output, and the diurnal impact on TOU rate tariffs; and economic analyses including state incentives, rebates, and federal tax incentives. She received her B.S. in mechanical engineering from UC Santa Barbara and her M.A. in international management from UC San Diego. She brings a broad technical and business perspective to projects having worked internationally for several large corporations such as Caterpillar, Sundstrand, and PETCO before starting up her own consulting business.

Valerie uses her advanced skills in Microsoft and Adobe and GIS software to deliver exactly what clients require, such as an integrated website, formal report, relational database, document management system, or advanced spreadsheet analysis tool. Prior becoming a consultant, Valerie worked for Solar Turbines as Marketing Manager for Power Generation and Bid & Proposal Manager for Alliance Customer Sales. She traveled extensively to support international project development in Europe, Asia, Mexico, and South America and is fluent in Spanish and Portuguese.

EDUCATION

Managerial Issues in the Global Enterprise (Two-week Intensive)

- American Graduate School of International Management
- Thunderbird International Consortium
Phoenix, AZ

Master of Pacific International Affairs

- Graduate School of International Relations and Pacific Studies
- University of California, San Diego
- Specialization: Latin America/International Management
- GPA: 3.80
- Course work in technology management, marketing, finance, accounting, economics, investments, policy-making, statistics, management, Spanish, and Portuguese

Bachelor of Science, Mechanical Engineering

- University of California, Santa Barbara
- Specialization: Environmental Engineering
- GPA: 3.24

Consulting Clients

Debenham Energy, LLC - Renewable Project Development

- Analyzed prospective solar and wind project sites using GIS software and custom layers
- Estimated wind energy market potential and favorable geographic areas for clients
- Estimated financial performance of wind projects including energy output, diurnal impact on TOU rate tariffs, state incentives, rebates, and federal tax incentives
- Authored renewable energy feasibility studies
- Developed renewable energy marketing materials

Stuart & Associates Construction Management, LLC

- Authored constructability review documentation
- Managed labor compliance review for publicly funded projects
- Developed Microsoft Access database application for construction bid specifications
- Designed websites (www.stuart-construction.com, www.eniswindgen.com, www.debenhamenergy.com)

SciTegic - Technical Writing

- Authored user documentation and help files
- Worked with scientists, software engineers, and customers to create content

PETCO National Support Center - Industrial Engineering

- Coordinated process improvement projects, identified opportunities for improvement, and designed new procedures for nationwide implementation.
- Published software user guides, online help systems, process flow maps, policy and procedure documents, organization manuals, intranet bulletins, and action plans for all levels of the organization
- Administered corporate intranet sites for policy and procedure documents

Solar Turbines, San Diego

Applications Engineering Manager

- Supervised the creation and maintenance of databases of technical and commercial reference information to support proposals and customer inquiries
- Reviewed customer bid packages in English, Spanish and Portuguese. Prepared printed and CD ROM versions of technical and commercial proposals.
- Stored proposal content in an Oracle database with a Visual Basic interface. Exported standard output to Microsoft Word, edited the content to meet customer requirements and sales strategies, and published it in PDF format on CD-ROM.

Alliance Customer Support Manager

- Provided technical support for ExxonMobil and Williams alliances
- Created standard equipment definitions for worldwide projects
- Created standard inspection and test plans for turbine packages
- Developed equipment definition and pricing for all ExxonMobil and Williams projects

Marketing Manager

- Performed competitive analysis of the industrial gas turbine market
- Determined Solar and competitor market share and technical market trends
- Coordinated advertising, sales literature and trade show participation
- Researched customer buying criteria and recommended new products
- Published market summary reports for field sales, marketing management, and president's staff
- Created an Access relational database and user interface to track worldwide gas turbine sales

Sundstrand Power Systems, San Diego

Project Engineer, Commercial Programs

- Managed the technical aspects of the development, qualification, and production of airborne gas turbine auxiliary power systems
- Authored project status reports, equipment model specifications, and technical certification compliance documents

Development Test Engineer

- Developed testing for engine components and auxiliary power systems in accordance with customer and FAA certification requirements
- Authored specifications, test plans and test reports

Associate Engineer

- Performed heat transfer analysis, development testing, aerodynamic performance analysis, and project engineering

Self Help and Resource Exchange (SHARE), San Diego

Imperial County and Baja California Program Coordinator

- Organized and supervised self-help food assistance programs in the Imperial Valley and Mexico. Worked with key political, business, and religious leaders in each community to develop food distribution systems and community service projects.