UMS Group Inc. [Prime Applicant, Grant Manager, Contractor]

Contact Information

Name	Joe Lake
Address	111 Littleton Road, Suite 111, Parsippany, NJ 07054
Email	jlake@umsgroup.com
Phone Number	518.925.7334

Education

Institution	Rensselaer Polytechnic Institute
Major	Management
Degree	B.S. in Management, 2007

Professional Experience

Employer	UMS Group Inc. 2007 to Current
Title/Position	Principal Consultant & Managing Director, Global Learning Consortia
Description	Joe is Principal Consultant with UMS Group with expertise in Wildfire Risk Mitigation, Asset & Performance Management, Data Analysis, and Project Management. He is also Managing Director of UMS Group's Global Learning Consortia (GLC) line of business. With more than 15 years of experience in the Public Utilities industry, Joe offers a broad, utility-centric knowledge base alongside a deep analytical skillset. He favors data-driven decision making and is particularly adept at tracking operational trends to identify performance improvements. Joe has significant experience "plugging in" to organizations with unique strategic, cultural, and financial challenges. He has experience evaluating, planning, developing, and implementing performance management and process improvement initiatives, along with associated analytical tools, for Gas, Electric, and Water Utilities around the globe. In late 2019/early 2020, Joe launched and served as Program Director for the International Wildfire Risk Mitigation Consortium (IWRMC). The IWRMC is comprised of 20 current utility members in the United States, Canada, Australia, and Chile, all of which face significant wildfire risks. Through the consortium, utility members have established and grown relationships with key stakeholders in wildfire risk mitigation, including academia, forestry, and community groups. Joe has established key Program Management processes and methodologies to support the forum. UMS Group facilitates the program and provides key administrative support in addition to subject matter expertise, with additional support from expert subcontractors throughout the industry.

	As MD of the GLC line of business, Joe oversees growth and development of ten global best practices sharing programs for utilities, many of which are modeled after the IWRMC. In 2022, he oversaw the launch of an international utility inspection best practices forum – the International Inspection Insights and Advanced Analytics Consortium (IIIAAC). He has overseen the maturation and expansion of similar sharing forums related to Substation Construction & Maintenance, Transmission Operations & Maintenance, and Utility Asset Management, among others.

Slalom [Grant Administrator, Contractor]

Contact Information

Name	Tim Stafford
Address	4370 La Jolla Village Drive, Suite 1000, San Diego, CA 92122
Email	Tim.stafford@slalom.com
Phone Number	312.315.1708

Education

Institution	University of Florida
Major	Statistics + Economics
Degree	Bachelor of Science + Bachelor of Arts, 1998

Professional Experience

Employer	Slalom – 2018 to Current
Title/Position	Managing Director
Description	Tim is part of Slalom's San Diego market. In addition to responsibilities in helping manage the overall business for Slalom in San Diego, Tim plays a role coordinating the overall Power and Utilities ("P&U") business for Slalom globally. This work entails coordinating across all of Slalom's global markets to bring a unified view into our point of view on energy and utilities. We also coordinate our markets to ensure that solutions, differentiated viewpoints, and unique resources can be effectively shared globally to bring the best to our clients' needs. As part of Tim's work in Southern California, he leads all of Slalom's efforts in delivering differentiated Wildfire capabilities to utilities. One of these utilities has received numerous industry and customer awards for the solutions that have been implemented in the community.

Employer	Accenture – 1998 to 2018
Title/Position	Various
Description	Tim was responsible for numerous delivery engagements focused in driving meaningful results to various utility clients across the globe. A number of these customers have involved strategy, design, product development, advanced analytic solutions across areas like Customer, Generation, T&D, and Asset Management. Tim's focus shifted in 2008 to focus almost exclusively on the California and West Coast utility market providing specific support to these utilities on progressive energy agendas.

THOMAS D. GROS

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PROFESSIONAL EXPERIENCE

SLALOM CONSULTING, Houston 1/2021 **– present**

Slalom is a leading global technology strategy consultancy with more than 14,000 employees across the Americas, Asia and Europe. In January 2021, Slalom partnered with Daedalus Energy Solutions LLC, a company I founded with a single focus—accelerating the energy industry's transition to a carbon-free economy. In July, 2021, the partnership expanded to include my serving as an Executive Leadership Consultant to Slalom's Power and Utilities client base. Then, in April 2022, Daedalus merged with Slalom, and I became Global Head, Renewables and New Energy.

Global Head, Renewables and New Energy. *April 2022 – present*

Slalom's most senior subject matter expert serving a global client base that includes more than half of the energy utilities in the US, and many of the largest renewables players in the Americas and Europe. In addition to covering all renewable energy generation and related storage assets, directly responsible for leading strategy on key themes that are the foundation of New Energy—decarbonization, the rise of the hydrogen economy, challenges of intermittency, the electrification of passenger vehicles and residential thermal loads, and the emergence of consumer-controlled microgrids. This role is complemented by continuing, external positions, including:

- HyAxiom (formerly Doosan Fuel Cell America) -- *Founding Member, Board of Advisors*
- H2Houston Hub, Houston's hydrogen economy think tank, *Member, Steering Committee*
- A Mi-Ciel Vineyard – solar, battery and water storage micro-grid in Napa, *Owner/Developer*

Chief Executive Officer, Daedalus Energy Solutions LLC, *January 2021 – April 2022*

Founded and led an energy consultancy, creating and implementing innovative strategies, assets, and services to accelerate the transition to a decarbonized economy.. From the very beginning, Slalom Consulting served as the exclusive technology implementation partner to Daedalus, and the two firms merged in April, 2022.

TALEN ENERGY, AN INVESTMENT OF RIVERSTONE HOLDINGS, Houston 2016 – 2020

Initially retained as Advisor to the Talen CEO to identify and develop key growth opportunities and to begin to implement the transformation of the 16,000MW power company that had been the generation division of the publicly-traded utility known as Pennsylvania Power and Light, or PPL. The advisory role began as Talen was taken private by Riverstone Holdings in December 2016. In July 2017, the advisory role transitioned to become an EVP position reporting to the Chairman and CEO.

Executive Vice President, *2017 - 2020*

The senior executive responsible for leading a broad range of Talen's commercial and operational activities focused on innovation, risk mitigation and rapid value expansion, including:

- Corporate Strategy, Development and Divestments
- Renewables Development, including six solar projects totaling 650MW in the PJM & ERCOT interconnection queues, and a 500MW early-stage pipeline of solar and battery storage projects
- Artificial Intelligence in plant operations and retail sales
- Retail electricity sales, marketing and operations, including Carbon Zero 24/7, a unique product

- Retail and wholesale natural gas trading and marketing (divested 2017)
- Plant construction, including McCarl's, Talen's industrial construction firm (divested 2018)
- The Interstate Energy Company (IEC) 84-mile oil and gas pipeline system (divested 2020)

Advisor to the CEO, *2016 - 2017*

- Led the complete restructuring of the retail electricity and gas businesses, extending this effort to include hedge policy and corporate-wide risk management.

NRG ENERGY / RELIANT ENERGY, Houston **2009 – 2016**

Recruited by NRG CEO to transform Texas-based Reliant into a world-class retail electricity provider following its near-bankruptcy and acquisition by NRG. Having succeeded in this task, promoted to create and lead NRG's first national sales organization, and later, NRG's national distributed generation fleet.

President, NRG Distributed Generation, dGen, *2013 – 2016*

Following the successful initial public offering of NRG Yield (NYLD), promoted to lead all of NRG's district heating and cooling systems, combined heat and power (CHP) plants, and back-up generation fleet—a total of 161 installations across the US, most of which were in this first-of-its kind MLP-type firm.

Chief Customer Officer, NRG Energy, *2012 – 2013*

Selected by the CEO to assume the additional responsibility of ensuring that NRG's strategy, products, culture and performance metrics clearly aligned with the needs of all wholesale and retail customers.

President, NRG Solutions, *2011 – 2013*

Promoted to senior NRG officer responsible for Solutions Sales across all divisions, with the objective of transforming NRG from a collection of uncoordinated acquisitions to the leading national energy brand.

Senior Vice President, Sales & Marketing, Reliant, *2009 – 2011*

Oversaw the Residential Division serving 1.3 million customers, re-started and significantly expanded the idled Commercial and Industrial (C&I) Division, and created the all-new Middle Markets Division. In 2011, the C&I Division and the Middle Markets Division contributed $180+ million EBITDA.

EDUCATION

Master of Science in Business, MIT-SLOAN, *Cambridge, Massachusetts*
Thesis program with concentrations in Corporate Strategy and Management of Innovation

Bachelor of Aerospace Engineering, GEORGIA INSTITUTE OF TECHNOLOGY, *Atlanta, Georgia*
Foreign Affairs minor, full academic scholarship
Awarded Sigma Gamma Tau Honors for being ranked first in the School of Aerospace Engineering

Joshua Goodman

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joshisagoodman

Josh is a high-energy account and program delivery leader with 20+ years of rich consulting experience, partnering with clients to establish, track and execute strategic initiatives. Josh cultivates strong relationships—client and internal; horizontal and vertical—by blending his experiences, passion, adaptability, and drive. He brings a tactical leadership approach and strives to empower those around him to succeed. Josh has a PMP & CSM and is an expat of NYC.

Professional & Academic Snapshot

Director – **Slalom**, San Francisco, CA, 2013 – present
Engagement Manager – **Carlisle & Gallagher Consulting Group**, New York, NY, 2012 – 2013
Advisory Consultant – **EMC**, New York, NY, 2009 – 2012
Manager – **Accenture**, New York, NY, 2001 – 2009
Bachelor of Science, Magna Cum Laude, Biological Engineering – **Cornell University**, Ithaca, NY, 2001

Career Experience

Slalom, San Francisco, CA, 2013 – present

Director, Energy Industry, 2021 – present
Client Service Lead, 2017 – 2020
Consultant, 2013 – 2017

- Consistently exceeded market goals for revenue (annualized target $5M, actual $8M+) and billable utilization (target 50%, actual 80%+).
- Own P&L and revenue, sales, and profitability metrics across Energy and Retail accounts in San Francisco.
- Drive account operations, delivery excellence, and client + consultant satisfaction.
- Orchestrate account strategies in partnership with Capability leadership and activate plans to achieve on goals.
- Lead efforts to develop net-new business and enhance growth within existing client portfolio.
- Build and maintain trusted advisor relationships with clients at all levels (up to and including CXOs).
- Quarterback multi-disciplinary pursuit teams, engaging broader capabilities as needed.
- Engage alliance partnership network (AWS, GCP, Salesforce, etc.) to strengthen go-to-market position.
- Develop contractual documents (MSAs, SOWs, partnership agreements), solution proposals, and financial models.
- Mentor junior and aspiring team members.
- Evangelize the Slalom brand – on social media, in interviews, and across markets.

Slalom Client Engagements

Rodan + Fields, San Francisco, CA, 2018 – 2022

Pacific Gas & Electric Company, San Francisco, CA, 2013 – 2018

Project Manager, Corporate Real Estate Strategy, 2018
Project Manager, Customer Care IT, 2017
PMO Lead, Architecture Governance, 2016
Program Manager, Asset Management, 2014 – 2015
Project Manager, Office of the CIO, 2014
Lead Business Analyst, Office of the CTO, 2013

Engagement Manager – **Carlisle & Gallagher Consulting Group**, New York, NY, 2012 – 2013

- Built both a corporate and personal brand at a strategic emerging account in a new, critical market.
- Hired to cultivate New York business for this Charlotte-headquartered financial services consultancy.

Advisory Consultant – **EMC Consulting**, New York, NY, 2009 – 2012

- Managed a complex Capital Markets account at a $2M annualized run rate.
- Executed on a cluster of banking technology projects.

Manager – **Accenture**, New York, NY, 2001 – 2009

- Analyzed and implemented dozens of systems, processes, and people in the System Integration & Tech Practice.
- Managed enterprise-wide rollouts of web applications, custom software implementations, quality and cost-reduction initiatives, a warehouse transformation program, and multiple cross-system enhancements.
- Delivered projects as large as $2M through the full lifecycle, yielding major process improvements & efficiencies.
- Defined the end-to-end book tracking process for major testing programs, e.g. AP, SAT, PSAT and Praxis, streamlining ETS' paper and data flow for 20M pieces (annual) and reducing Cost of Poor Quality.
- Developed Statements of Work and work plans for enhancements to a custom web-based tracking application.
- Increased sales with the client by defining RFPs for 100+ enhancements to vendor hardware and software.
- Managed commitments from 5+ vendors, suppliers, and jointly owned application teams on a facility expansion.
- Led multiple functional teams to gather requirements for software enhancements; transitioned to build teams.
- Designed application wireframes based on client input and UX best practices to significantly reduce build cycles.
- Managed and delivered over 10 training sessions on new supply chain processes and technologies to diverse audiences, including key stakeholders, software end users and the Operations team.
- Empowered over 25 Operations staff via short- and long-term production support to achieve strong acceptance.
- Staffed and managed the application testing team of 3 analysts, and built reporting metrics to track progress.

Education

Cornell University, Ithaca, NY; *College of Agriculture & Life Sciences* and *College of Engineering* (joint degree)
Bachelor of Science, Magna Cum Laude, Biological Engineering, 2001; Cumulative GPA: **3.70**

Certifications and Affiliations

- Scaled Agile Framework (SAFe)® Agilist
- Certified ScrumMaster (CSM)® // Member, Scrum Alliance
- Project Management Professional (PMP)® // Member, PMI-SFBAC, PMINYC
- Alumni Ambassador – Cornell Alumni Admissions Ambassador Network, 2014 – 2015
- Board Secretary – 35 Clark Street Apartments Corp, Brooklyn, NY, 2011 – 2013
- Communications Chair – Brooklyn Bridge Park Conservancy Jr. Committee, Brooklyn, NY, 2009 – 2011

Areas of Expertise

- Project & Program Management
- Product Management
- Executive Communications
- Client Relationship Management
- Stakeholder Management
- PMO Standup & Governance
- Account Operations
- Digital / Creative Marketing
- Social Media
- Interactive Marketing
- IT Strategy & Transformation
- Agile delivery
- Business Analysis
- Business Process Design
- PMP- and CSM-certified
- Process Improvement
- Data Analysis
- Application Integration
- User Experience (UX)
- User Acceptance Testing

Industries

- Retail
- Energy & Utilities
- Card & Payments
- Capital Markets
- Communications & Tech
- Consulting
- Distribution / Logistics
- Educational Services
- Pharmaceutical

Fire Adapted Communities Learning Network [Community Engagement Lead, Contractor]

Contact Information

Name	Michelle Medley-Daniel
Address	Box 356, Hayfork, California 96041
Email	michelle@thewatershedcenter.com
Phone Number	530-722-7696

Education

Institution	Humboldt State University (now CalPoly Humboldt)
Major	English, Studio Art
Degree	Bachelors of Sciences, 2005

Professional Experience

Employer	The Watershed Research and Training Center 2008 – Present
Description	Michelle joined the Watershed Center team in 2008 as a grant writer and program associate. She has held a number of positions at the organization in her tenure. She currently divides her time among three primary functional roles described in more detail below, all under the umbrella of the Watershed Center.

Employer	National Fire Networks Partnership Co-Director 2019 – Present
Description	The National Fire Networks Partnership supports a portfolio of peer learning and collective impact networks and a suite of strategies that are facilitated at the national level by The Nature Conservancy and the Watershed Research and Training Center in partnership with the US Forest Service and Departments of Interior. Michelle co-leads this partnership with Marek Smith, North America Fire Director, for TNC. Michelle's leadership roles include developing strategy and program development process for the multi-organizational team, leading national, state and place-based partnerships with agencies, organizations, and local governments. Michelle also supports fundraising for this national team and acts as an advisor to several wildfire resilience philanthropic efforts.

Employer	Watershed Center Deputy Director 2017 – Present
Description	In her role as Deputy Director, Michelle has been leading a major growth transition for the organization. In 2017, the Watershed Center was a relatively small organization with an annual budget of less than $2.5M. The Watershed Center's current fiscal year budget is $8M and next year's budget is projected to climb even higher. Between 2017 and 2023 the number of staff at the organization also increased from ~30 people to

	nearly 100. Michelle has developed a number of key organizational systems and processes to support this transition including: subawarding and subcontracting procedures for federal funding, an employee compensation structure, employee review and Human Resources processes, and strategic planning processes and tools that are used organization-wide.

Employer	Fire Adapted Communities Program Director 2013 - Present
Description	Michelle, alongside colleagues and partners, led the founding of the Fire Adapted Communities program in 2013. She has led the program, including the flagship national Fire Adapted Communities Learning Network project, from concept to operations over the last decade. Michelle's role as program lead has included staff supervision over a team of five, program strategy and development, fundraising over $1M annually for the program each year, project management, and partnership development. Through the Fire Adapted Communities program Michelle advocates for national policy and program changes, and has helped steer state investments and fire resilience program development in California, Oregon, Colorado, Washington and New Mexico.

Appointments

CA Forest and Fire Management Task Force	*Fire adapted communities workgroup co-lead. This is a voluntary position.*

Grid Forward [Regional Coordinator, Contractor]

Contact Information

Name	Bryce Yonker
Address	5350 SW 88th Ave, Portland OR 97225
Email	bmyonker@gmail.com or Bryce@gridforward.org
Phone Number	503.522.6101

Education

Institution	IE
Major	Global MBA
Degree	Masters in Business Administration, 2011

Institution	Pepperdine University
Major	Business Administration, Marketing Minor
Degree	Bachelor of Sciences, 2006

Professional Experience

Employer	Grid Forward – 2014 to Current
Title/Position	CEO and Executive Director
Description	Bryce took on the inaugural role as executive director for Smart Grid Northwest in April of 2014. He leads all strategic and operational initiatives including policy engagement, events, advisory projects, budgeting, staff and leadership development. In 2019 Bryce led the transition of the organization to becoming Grid Forward. The organization is active in supporting the advancement of grid modernization with around 150 members across utilities, technology providers, national labs, education institutions, non-profits and others. He was a founding Board member and active in creating the organization in 2010.

Employer	EnerTec Development -- 2017 to Current
Title/Position	Founder and Principal
Description	Launched in October 2017 EnerTec helps energy and technology companies grow and thrive. Consulting and advisory service engagements include Grid Forward, energy technology providers and other industry and non-profit organizations.

Employer	Clean Edge, Inc -- 2011 to 2017
Title/Position	Sr. Director of Business Development and Strategic Partnerships
Description	From 2011 to 2017 Bryce was responsible for bringing research and advisory services to market, including strategic direction, client acquisition,

	and project delivery. Clients included industry providers, financial organizations, state and regional agencies and non-profits.

Employer	Software Association of Oregon (now TAO) – 2007 to 2011
Title/Position	VP of Business Development & Membership
Description	From 2007 to 2011 Bryce was the primary revenue generator and developer of strategic initiatives for Oregon's technology trade association. Worked with membership base of about 500 companies including the development of strategic initiatives aligned to advancing clean energy and energy efficiency.

Appointments

Renewable Energy Scholarship Foundation, Board of Directors	Serve in a volunteer, part time capacity for the Board of a regional non-profit organization that issues scholarships for students in studies related to advancing clean energy, 2020 to Current
Children's Cancer Association, Chemo Pal	Serve in a volunteer, part time capacity as a chemo pal for young people who are going through cancer treatment. Have been paired with 3 kids from 2015-2020. Currently on pause after changes to program from COVID
Gravity Power, Advisor	Serve as a part time advisor to the early stage company working to develop long duration energy storage solution. 2020 to current.

Contact Information

Name	Rebecca Goold
Address	630 NE Killingsworth Street, Unit 11132, Portland, OR 97211
Email	rebecca@the2rgroup.com
Phone Number	845-323-6946

Education

Institution	Indiana University, Kelley school of Business
Major	Business Economics, Public Policy
Degree	Bachelor of Science, 2012

Professional Experience

Employer	2R Group (2019-current)
Title/Position	Co-Founder and Managing Partner

Description	As the Managing Partner of 2R Group, Rebecca focuses on advisory services for policy makers, infrastructure firms, cleantech companies, and renewable developers.
	In tandem with its partner the Accelerate Group, Rebecca and the 2R Group act as the Project Coordinator for the Policy+Innovation Coordination Group (PICG) under California's Electric Procurement Investment Charge (EPIC) Program. Some of the work Rebecca does includes:
	• Perform community engagement and outreach around PICG activities.
	• Organized and hosted four (4) distinct workstreams including eleven (11) meetings and over fifty (50) speakers/presenters highlighting learning and challenges from EPIC funded RD&D projects. These workstreams included:
	  ○ Equity
	  ○ Transportation Electrification
	  ○ Wildfire Mitigation
	  ○ Public Safety Power Shutoffs
	• Organized and hosted two (2) large Forums to discuss learning from workstreams and facilitated deeper dives into critical topic areas between PICG members and clean technology providers.
	Rebecca and the 2R Group support renewable developers and clean technology companies by advocating to advance state level policy which expands renewable deployment, streamlines interconnection processes, and creates additional value stack incentives for clean deployments.

Employer	Cypress Creek Renewables (2018-2019)
Title/Position	Asset Manager
Description	Rebecca managed the company wide environmental attribute, real estate, and this party services portfolio. She led commercial and contractual negotiations on over 1.2 GWs of operating assets and 1.8 GWs of assets under development.

Employer	The Accelerate Group (2017-2018)
Title/Position	Energy Policy and Microgrid Consultant
Description	As the primary consultant for the Environmental Defense Fund, The Accelerate Group and Rebecca led policy working group meetings with utilities, renewable developers, and special interest groups to ensure the successful implementation of the Future Energy Jobs Act (FEJA) and other Illinois state policy. Rebecca worked with local utilities to develop microgrid rates and tariffs. She was responsible for developing energy policy and microgrid implementation proposals for various stakeholders.

Employer	SoCore Energy (2015-2017)

Title/Position	Asset Manager/Market Analyst
Description	Rebecca created the asset management function and the various workstream of the asset management team. She was responsible for portfolio management of 135 C&I solar rooftops.

Employer	energy.me (2013-2015)
Title/Position	Compliance Manager
Description	Rebecca prepared and executed all compliance and regulatory responses within licensed and active states. She compiled all information pertaining to investors and company structure for review by FERC.

Appointments

Women of Renewable Industries and Sustainable Energy (WRISE)	Serve as a board member for WRISE Portland chapter. This is a voluntary role to facilitate networking and educational events.

David L. Geier

Carlsbad, CA | 619-987-2854 | dgeier111@gmail.com

Executive Summary

Performance-driven utility executive with a proven track record of delivering exceptional results in Safety, Reliability, Customer Service and bottom-line financial performance. Respected leader in the industry with strong relationships with state and federal regulatory agencies, Community and customer business partners, industry associations, employees, and Union leadership. Valued business partner with a collaborative cross-functional approach that engages teams and individuals to achieve shared goals. Wildfire mitigation expertise recognized globally. World class Reliability results as measured by independent nation comparisons. Real-world crisis management tested by providing Executive in Charge responsibility and leadership for major events including California Wildfires and the Pacific Southwest Blackout. Able to pinpoint business requirements, drive innovative solutions, and sell value-driven solutions. Persuasive innovator and influential communicator with strong analytical and presentation skills. Change agent known for ability to achieve business objectives.

Accomplishments include:

- Primary architect of the San Diego Gas and Electric Wildfire Mitigation Operational Plan
- Implemented reliability improvements to achieve the PA Consulting "Reliability Award" for 14 years
- Senior Manager for the NERC CIP Compliance Function
- Responsible for management of the 5 year $6.0B construction plan
- Relationship based leadership to reduce OSHA rates by more than 50 percent during the last decade
- Led the Distribution Resource Plan proceeding including grid modernization
- Successfully restored the 2011 Pacific Southwest Blackout in 12 Hours

Professional Experience

Utility Safety Associates

Chief Executive Officer **January 2021 - present**

- Principal advisor and consultant, providing services that will reduce wildfire and other public/employee safety risks.
- Analyze the current status of utility programs and recommend best practice solutions for unique local conditions.
- Development and implementation of key business practices and procedures that will drive improved client performance as measured by appropriate business metrics.
- Responsible for all aspects of client relationships.

San Diego Gas & Electric

Interim Chief Operating Officer **July 2020 – December 2020**

- Leadership for exceptional results in Electric and Gas operations.
- Development of systems, processes, controls, and procedures to improve public and employee safety -Chief Safety Officer.
- Execution of corporate strategies and delivering key business metrics.

Senior Vice President – Electric Operations **2016 - July 2020**

- Leadership responsibility for all aspects of the Electric Business Unit.
- Leadership for the development and implementation of the Wildfire Mitigation Plan.
- Co-lead of Executive Finance Committee and responsible for budget management of Electric Division.
- Strategic leadership for employee engagement and succession planning.

Vice President – Electric Transmission and Engineering **2014 - 2016**

Vice President responsibility and ownership for all aspects of the SDG&E Transmission Business unit and the T&D Engineering and Planning. Select areas of responsibility include:

- Electric Grid Operations - Responsible for the safe and reliable operation of the transmission system and substations from 69kv through 500kv. Responsible officer for NERC CIP compliance.
- Transmission and Distribution Engineering - Oversite for all engineering, design, and work methods standards for the T&D electric system. Implementation of all assign elements for these systems including safety, compliance, and reliability.
- Transmission and Distribution Planning - Providing direction for the long-term planning of the T&D systems and identification of prudent, cost-effective solutions for existing and forecasted needs. Lead for all Distributed Resource Plan and grid modernization efforts.
- Major Projects Licensing and Implementation - Responsible for the licensing and project management for all new substations and transmission lines. Served as the lead witness on multiple CPUC proceedings and licensed $1.4 Billion of new projects.
- Executive Finance Management- Co-led the SDG&E Executive Finance Committee with the CFO and managed the annual company O&C budget of approximately $500MM and the capital budget of approximately $1.4B.

Vice President – Electric Operations **2004 - 2014**

In addition to the transmission activities mentioned above also had the responsibility for the following distribution activities:

- Electric Regional Operations- Management of all electric distribution field crews located in six geographical operating centers. Responsible for the safe construction, maintenance, and-service restoration of the distribution system. Also managed all the contract crews that supplemented the internal workforce.
- Distribution Operations Control Center- Responsible for the safe, reliable, and efficient delivery of power to 1.4 million customers and service restoration activities.
- Crisis Management - Lead executive responsibility for restoration efforts for the 2007 Firestorm and the 2011 Pacific Southwest Blackout. Emergency Operations Center Officer in Charge for both events.

Director of Distribution and Transmission 1993 to 2004
Field Level Supervision and Management 1980 to 1992

Regulatory Experience

1. Wildfires proceedings 2008 - Present
2. Micro-grid and distributed energy resources 2015 - 2018
3. Southwest Blackout FERC/NERC proceeding 2011 - 2012
4. Licensing of Sunrise Power Link 2009 - 2012
5. General Rate case - O&M and Capital Witness 2003 - 2004
6. California Industry Restructuring 1995 - 1998

Community Partnerships

1. American Red Cross San Diego/Imperial County- Chairman of the Board
2. Carlsbad Chamber of Commerce
3. Construction Management Association of America
4. San Diego Rotary Club 33
5. IEEE Technical Society
6. San Diego State University - Engineering Dean's Advisory Board
7. University of San Diego - Engineering Advisory Board

Education

- MSEE San Diego State University- Electrical/Computer Engineering
- BSEE University of Illinois - Electrical Power Engineering
- Registered Professional Engineer - California