



STATEMENT OF QUALIFICATIONS

PROTEUS Consulting is a boutique consulting firm that catalyzes the synergy between Water, Energy, Information Technology, Economics, and Communication sectors. We exist to bring about metamorphosis in the Water Industry. With versatile and high quality solutions, we facilitate the transformation of business-as-usual to high-energy and productive environment. We are known for our creativity and problem-solving skills, and our clients appreciate the individual attention this small, flexible firm is able to provide.

The Water Industry is at the threshold of a radical transformation. We help our clients undergo that change systematically by removing barriers and releasing the pressure, while enhancing the metamorphosis through cross-discipline flow of innovative ideas and strategies.

PROTEUS Consulting is a minority and woman-owned, small disadvantaged micro-business.

CONTACT INFORMATION

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SERVICES OFFERED

Our success stems from our ability to quickly and effectively understand the unique physical, cultural, and economic opportunities of each assignment. We specialize in building creative solutions that honor each project's distinct features and are committed to integrating design, engineering, and community in a manner that creates value and conserves resources – human and material capital.

WATER+ENERGY

- Energy Negotiations
- Level I, II, and III Energy Audits
- Renewable Energy Options
- Live Energy Tracking and Monitoring
- Pumping / Process Optimization
- Dynamic Real-time Energy Optimization
- Management of Energy Contracts
- New Revenue Generation Models
- Energy Strategic Plans and Implementation

- R&D Program / Technology Assessments
- Institutional Innovation Programs
- Business Development
- Strategic Planning
- Product Design
- Process Engineering
- System Review and Optimization
- Mechanical Engineering
- Pilot / Beta-Testing
- Commissioning
- Innovation Cluster Development
- Partnerships and Collaboration Platforms

WATER+INNOVATION

- Mentoring for Start-ups

WATER+INFORMATION DESIGN

- Technology Management Plans
- Data Visualization
- Analytics and Forecasting
- Diagnostics and Predictive Strategy
- Business Intelligence
- Dashboards
- Operations and Maintenance Optimization
- Procedures and Process Mapping
- Decision Capture / Knowledge Management
- Field Application Software
- Mobile Apps

WATER+COMMUNICATIONS

- Print, Web, and Strategy Materials
- Public Engagement with innovative methods
- Project Facilitation
- Stakeholder Collaboration
- Community Relations
- Event Planning and Management
- Education and Training
- Art, Music, Theatre, and Film projects
- Video and Podcasts
- Social Media Strategy
- Media Engagement
- Game Development

WATER+ECONOMICS

- Risk Analysis and Scenario Planning
- Funding Analysis
- Grant Consultation, Grant Match
- Grant and Loan Applications and Reporting
- Resources: USEPA, USDA, California I-Bank, CDBG, ISRF, DWR, CDPH, Cal WRCB, USBR, DOD, DOE, NASA, DOS, SDG&E, CPUC, CAISO, CEC, private equity funding, angel investor groups, venture capital funds, etc.
- Financial Analysis, Return on Assets
- Venture Capital/Private Equity Funding
- Water Markets, Water Exchanges
- Renewable Energy Credits
- Water Conservation Credits
- Carbon Market and Credits
- Intellectual Property Rights Options / Licensing

WATER+ENGINEERING

- Traditional Engineering
 - Research and Reports – research advanced and innovative technologies and deliver an analytical report highlighting applicability, cost-benefit analysis, and constructability review
 - Alternatives Development & Evaluation
 - Preliminary Design
 - Project Implementation Plans
 - Instrumentation and SCADA Design
 - Construction Plans, Specifications, and Estimates
 - Budget and Schedule Management
 - Bid Phase Assistance
 - Shop Drawing Submittal Review
 - Field Engineering, Construction Inspection
 - Training for engineering, operations, and maintenance staff
 - Commissioning assistance
- Regulatory Compliance
 - NPDES / WDR Permit Applications
 - Title 22 Engineering Reports
 - Water Recycling Permit Applications
 - Groundwater Recharge Permits
 - State and Federal Regulatory Approvals
 - California DPH Regulatory Approvals
 - Permit Management Plans
 - Regulatory Compliance Reports, Annual Reports
- Design-Build Services
 - Engineering lead for contractor led DB teams furnishing design for all disciplines
 - Consultant for design firms to develop the DB program by creating a customized Project Delivery Model
 - Owner’s Representative for clients interested in setting up DB contracts per industry standards
 - Assist DB consortiums to set up compatible project teams – Design, Procurement, Document Control, Quality, Construction, Commissioning, and, Handover

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PROJECTS

ENERGY OPTIMIZATION + INNOVATION PROGRAM, ENCINA WASTEWATER AUTHORITY, CARLSBAD, CA.

Proteus Consulting is contracted with Encina Wastewater Authority (EWA) to design their Research and Development Program. The scope includes the following: (1) Development of Energy Efficiency Tracking and Reporting system that will measure and report the efficacy of the energy efficiency measures implemented and monitor the progress for the long-term. (2) Perform Energy Negotiations with SDG&E including review current tariff rates with SDG&E and figure out the 'best' option/program for EWA. (3) Design the Research and Development Program to evaluate, facilitate and plan the implementation of new innovative technologies at EWA. (4) Perform Value Chain Analysis and develop and Implementation Plan for solids, effluent, and biogas produced at EWPCF. (5) Undertake comprehensive Funding Research to secure funding from traditional and non-traditional resources.

DYNAMIC ENERGY OPTIMIZATION FOR NYC DEP WASTEWATER PLANTS, NY.

Proteus Consulting is contracted by Viridity Energy to assist New York City Department of Environmental Protection (NYC DEP) to enable process and energy optimization at 14 wastewater treatment facilities that treat 1.3 billion gallons of wastewater in the five boroughs of the great city. This will involve a thorough evaluation of the use of energy resources at the treatment plants and develop a management algorithm to optimally schedule energy management a day-ahead and real-time energy markets.

OPERATIONS AND ENERGY OPTIMIZATION FOR POTABLE WATER AND RECYCLED WATER SYSTEMS.

Proteus Consulting is developing a robust real-time energy optimizer to meet a distinct set of water quality operating rules in the water system. The system will generate an optimized pump schedule that changes every quarter hour. As telemetry data from water reservoirs levels and pump flows is received from the Supervisory Control and Data Acquisition System (SCADA) every 10 minutes, the program will take account of daily zonal demand variations, available supply capacity, system constraints, and real-time power cost information to generate every quarter-hour a schedule for each pump. By this model, the inherent flexibility in the water system is identified on a real-time basis and then potentially bid on the energy market to yield revenue for the Water Districts.

RISK ASSESSMENT AND SCENARIO PLANNING, ENCINA WASTEWATER AUTHORITY, CARLSBAD, CA.

Proteus Consulting was invited by Encina Wastewater Authority (EWA) to participate in a series of risk assessment workshops to enable long-range scenario planning for EWA. This exercise was being conducted with BHI Management Consulting and was aimed to prepare EWA for emerging risks; test the organization's long-term strategy and resilience; expand and enrich the planning discussion; create a successful implementation plan; understand and apply change management and



motivation principles; apply attention to detail in the risk matrix/risk register; maintain the quality and rigor of the risk assessment process to select the best policy option, implement multiple risk assessments, and resolve contradictory stakeholder agendas.

INFLUENT LIFT STATION, HALE AVENUE RESOURCE RECOVERY FACILITY (HARRF), CITY OF ESCONDIDO, CA.

Proteus Consulting is the Engineering partner for the TC Construction Design-Build project with the following scope of work at the influent structure of HARRF: (1) Demolition of existing facilities and equipment including structural, mechanical, and electrical components; (2) Mechanical improvements to the existing pump station; (3) Slide gates replacement; (4) Construct bypass channel, weir wall and install multi rake screen; (5) Construct temporary vector dump station; (6) Structural improvements to the existing pump station building and underground structure; (7) Construct new screenings building; (8) Construct an electrical overcrossing; (9) Improvements and modifications to various pipelines throughout the site; (10) Electrical improvement including new electrical building, electrical components, and all associated controls systems; (8) Concrete flow structure; (9) Odor control facility including structural, mechanical, ductwork, and electrical systems; and (10) Noise attenuation enclosure system.

CONSULTING SERVICES FOR OPERATIONS OPTIMIZATION, CITY OF SAN DIEGO, CA.

Proteus Consulting is a valued team member for the Operations Optimization project led by CH2MHill and Brown & Caldwell. The scope of the project includes and thorough review and evaluation of City of San Diego's Public Utilities Department's existing facilities, operations and business processes to determine where improvements in operational efficiencies and/or cost savings or revenue improvement can be made in the areas of energy utilization, water production and distribution, chemical usage, data utilization, wastewater sludge processing and disposal, operator staffing, and warehouse practices and procedures.

WASTEWATER TREATMENT PLANT OPTIMIZATION AT MCAGCC, 29 PALMS, CA.

Proteus Consulting teamed with Potomac Hudson Engineering (PHE) / Michael Baker Corporation to optimize the wastewater treatment plant at the Marine Corps Air Ground Combat Center at 29 Palms, CA. The Combat Center operates a 1.5 million gallon per day (MGD) Wastewater Treatment Plant (WWTP) that treats both domestic and industrial wastewater. In addition to protecting human health and a fragile desert environment, the WWTP produces reclaimed wastewater that is used for landscape irrigation aboard the Combat Center. The WWTP is a mission-critical facility whose continued operation is essential to the long-term function of the Combat Center as the Marine Corps' only desert training facility. Given the current DOD budget climate, it is highly unlikely that funding for replacement of the WWTP will be available in the foreseeable future. Therefore, it is essential that the WWTP be operated and maintained in a manner that maximizes its lifespan; ensuring reclaimed water is available and utilized efficiently. Proteus Consulting will undertake a detailed study to optimize the operations at the plant including operations, water use, and energy.

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CALIFORNIA ENERGY COMMISSION PIER GRANT, MOULTON NIGUEL WATER DISTRICT, CA.

Proteus Consulting prepared the grant application package for Moulton Niguel Water District for the 2011 Emerging Technology Demonstration Grant (ETDG II) by California Energy Commission's Public Interest Energy Research (PIER) program. With this grant, the District is looking to optimize the hydraulics of the water system to ensure lowest cost of water and also demonstrate the opportunity to participate in several demand response programs made available by San Diego Gas & Electric (SDG&E) and Southern California Edison (SCE).

WATERSMART SYSTEM OPTIMIZATION REVIEW (SOR) GRANT, CITY OF OCEANSIDE, CA.

Proteus Consulting prepared a comprehensive grant package on behalf of the City of Oceanside for the WaterSMART System Optimization Review Grant. Under this grant up to \$300,000 is available for water districts, tribal water authorities, state agencies, and other organizations with water or power delivery authority located in the Western United States to perform an assessment of the potential for water management improvements in a river basin, system, or district and generate a report identifying specific improvements to increase efficiency, including a plan of action for implementing the recommendations. The City of Oceanside has proposed to conduct a Comprehensive Water Audit, Design a 5-year City-wide Loss Accounting and Reduction Program, and Implement the program to demonstrate measureable decrease in water loss for the City.

NOAA FY2013 COMMUNITY-BASED MARINE DEBRIS REMOVAL GRANT, CITY OF OCEANSIDE, CA.

Proteus Consulting has submitted a grant application package on behalf of the City of Oceanside for the NOAA Marine Debris Program. Through this solicitation NOAA identifies marine debris removal projects, strengthens the development and implementation of habitat restoration through community-based marine debris removal, and fosters awareness of the effects of marine debris to further the conservation of living marine resource habitats, as well as contribute to the understanding of debris types and impacts. Funding of up to \$2,000,000 is expected to be available in FY2013. Typical awards will range from \$15,000 to \$150,000.

BOATING INFRASTRUCTURE GRANT, CITY OF OCEANSIDE, CA.

Proteus Consulting has submitted a grant application package on behalf of the City of Oceanside for the Boating Infrastructure Grant (BIG). Under this grant, the City has applied for \$495,000 to build new restroom facilities at the Oceanside Harbor.

PUBLIC ACCESS GRANT, CALIFORNIA WILDLIFE CONSERVATION BOARD, CITY OF OCEANSIDE, CA.

Proteus Consulting prepared a grant application package on behalf of the City of Oceanside for the Public Access Grant, California Wildlife Conservation Board. The City is applying for \$300,000 toward the design and construction of a restroom for the harbor and marina.

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DEPARTMENT OF BOATING AND WATERWAYS (DBW) FUNDING APPLICATION, CITY OF OCEANSIDE, CA.

Proteus Consulting is preparing a funding application package on behalf of the City of Oceanside. The City is applying for \$300,000 toward the planning, permitting, design and construction of a boater's restroom at the harbor.

TECHNICAL AND BUSINESS DEVELOPMENT, ARBSOURCE, AZ.

Proteus Consulting is providing process engineering, mechanical engineering, and pilot plant design, testing protocol development and services, business development consulting, strategic planning, training, project commissioning and system review and optimization services to ARBSource, a new CleanTech company. The patent-pending ARBCell is a unique, scalable environmental biotechnology to manage wastewater treatment more efficiently for the food and beverage processing industry and beyond. Proteus Consulting has two contracts with Arbsource, one through Arizona Business Development Grant and the other through Department of Energy (DOE) Small Business Innovation Research (SBIR) grant.

STRATEGIC BUSINESS DEVELOPMENT, VIRIDITY ENERGY, PA.

Proteus Consulting is providing strategic business development services to Viridity Energy as it enters the water industry. Viridity Energy devises revenue generating solutions that give large energy users customized decision-making tools to align operations with load management strategies. With their Vpower™ Software, Viridity Energy works within client operations to identify the optimal demand management strategy for the client's energy resources. Viridity Energy also delivers microgrid management solutions to help communities meet their energy needs in a smarter, less expensive, and more sustainable way.

PRODUCT AND BUSINESS DEVELOPMENT, ECOLAYERS, CA.

Proteus Consulting is providing product development and business development services to EcoLayers. EcoLayers is a web-based software platform for integrated management, permitting, compliance, and stewardship for water. This program is deployment-ready and can be configured to meet the unique needs of each customer be it Regulatory Agencies, Water Agencies/Districts, Permittees, Wastewater Agencies, Municipalities, Infrastructure Developers, Environmental Consultants, and Stewardship Organizations.

TECHNOLOGY MASTERPLAN, ENCINA WASTEWATER AUTHORITY, CARLSBAD, CA.

Proteus Consulting has teamed with Westin, Inc. to develop the Technology Master Plan for Encina Wastewater Authority (EWA). The goal of this exercise is to assess EWA's strategic requirements for information and control systems now and into the future and to formulate a roadmap for implementing the technologies that address those requirements. This plan will enable EWA to determine how to leverage existing and new information systems through systems and business process integration – including the use of new technologies for consolidating, trending and distributing information. The roadmap will outline the business case for improvements in the technology sector for EWA and enable them to achieve their mission to be an environmental leader,

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and provide sustainable and fiscally responsible wastewater services to the communities it serves while maximizing the use of alternative and renewable resources.

SMART-OPS, OPERATIONS OPTIMIZATION FOR WASTEWATER TREATMENT PLANTS.

Treatment plant operations are typically timed and phased based on discrete measurements or strategies. Proteus Consulting is working on software that will lay the foundation to develop comprehensive dynamic, real-time, whole-business strategy for wastewater plant operations and control. The software portfolio will consist of a suite of sustainability-focused solutions that honor the wastewater industry's specific needs and are committed to integrating operations, management, and environment in a manner that conserves and optimizes resources – human and material capital. The solution will encompass analytics, optimization, and visualization. A phased approach is offered for the implementation instead of a comprehensive solution since it allows the client to adopt a module when required and at a pace that is suited for the agency. The software solution has the following goals: Meet effluent and emissions permits, Maximize Biogas production, Optimize Aeration, Optimize solids quality to market needs, Optimize chemical usage, Optimize digestion, and Optimize energy use.

FIELD DATA ACQUISITION APPLICATION.

Proteus Consulting is developing an inexpensive field data acquisition application for a handheld device (say on a Tablet or SmartPhone) that combines the functionality of GIS, work order management system, complaints record system, and asset management system, utilizing a light weight graphical interface and messaging protocols. The platform will be designed to provide field crews with data functionality the need to perform their jobs regardless of the back-end applications, databases, and spreadsheets that provide the data. This application will provide timely and current access to maintenance and service information and ability to upload/update status reports during site visits.

CITY OF SAN DIEGO AS-NEEDED ENGINEERING SERVICES FOR ASBESTOS CEMENT WATER MAIN REPLACEMENT PROGRAM MASTER PLAN, CA

PROTEUS Consulting has teamed with Arcadis/Pirnie team to provide Permitting/Safety Procedures services including the preparation of work plans from a safety/OSHA perspective. We estimate the percentage of work/participation by our firm will be approximately 1%, but understand that the actual percentage will be defined during contract negotiations. Through this project the City intends develop a system-wide Asbestos Cement (AC) pipeline replacement program master plan. The contract will be for a projected two-year period. The scope of services for this \$2 million contract includes assessment of over 2,100 miles of AC water mains with varying diameters.

CITY OF SAN DIEGO AS-NEEDED ENGINEERING SERVICES, CA

PROTEUS Consulting has teamed with Brown & Caldwell for a three-year \$5 million contract to provide as-needed engineering services to the City of San Diego. The scope of work for PROTEUS Consulting includes (1) Water, Wastewater, and Recycled Water Engineering (portions of): Design water, sewer, and recycled water systems, Review and/or perform specific hydraulic analysis, Provide value engineering services as a third party review of proposed water, wastewater, and

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recycled water projects, Perform condition assessment of water, wastewater, and recycled water pipelines including raw, recycled and potable water transmission pipelines, trunk sewers and force mains, Assess water quality in source water reservoirs, including reservoir nutrient budgets, oxygen depletion, sediment nutrients, and oxygen demand; and prepare feasibility designs for oxygenation systems, circulations systems, and other in reservoir remediation methods, and Provide field inspection/monitoring services; (2) Environmental Services (portions of): Provide expert support services in environmental compliance including permitting, and grants; (3) Secondary Treatment Processes (portions of): Provide experience in Secondary Treatment processes and Pilot Study design and implementation; and (4) Commercial, Industrial & Institutional (CII) Water Conservation Surveys/Audits: Provide water audit services for CII customers to assist them in evaluating their onsite water use and developing a water efficiency program to optimize water usage and savings by identifying potential water reduction alternatives.

CITY OF OCEANSIDE ON-CALL WATER AND WASTEWATER ENGINEERING SERVICES, CA

PROTEUS Consulting has been awarded the water and wastewater engineering on-call professional services contract by the City of Oceanside for fiscal year 2012 - 2013. The scope of work for PROTEUS Consulting includes design of water, sewer, and recycled water systems including hydraulic analysis, design and development of plans, specifications and cost estimates, as well as on-call permitting and grant writing services.

HAYMAR AVENUE DISCHARGE TECHNICAL REPORT AND RESPONSE, CITY OF OCEANSIDE, CA.

Proteus Consulting assisted the City of Oceanside to prepare a formal response to Investigative Order No. R9-2011-0035 issued by the California Regional Water Quality Control Board, San Diego Region, to the City of Oceanside. The response letter and accompanying 1,200+ page Technical Report furnished all the requested information on the nature, circumstances, extent, and impacts related to the discharge of untreated sewage to Buena Vista Creek, Buena Vista Lagoon and the Pacific Ocean from a 15-inch gravity sewer line near North Haymar Drive from December 23 - 28, 2010. This discharge occurred when an existing 50+ year old VCP pipeline failed during a heavy storm event. While relocation plans for this critical pipeline was ready for implementation for over four years, the project was unfortunately held up in the permitting process.

AQUIFER STUDY AND PRELIMINARY DESIGN AT MCAGCC, 29 PALMS, CA.

Proteus Consulting teamed with Rore Inc. to conduct a hydrogeological/aquifer study and engineering feasibility study for potable water supply at the Marine Corps Air Ground Combat Center at 29 Palms, CA. The project included a detailed review of the aquifer and groundwater well field design, demarcation of the aquifer boundaries and water quality profile, followed by preliminary design of water storage, blending facility/treatment, and water delivery infrastructure. Proteus Consulting evaluated feasible blending alternatives from varied groundwater sources to meet potable water quality objectives. This involved the conceptual design of water storage tanks, including number, size, and location, mechanical blending process configurations, and treatment options.



WASTEWATER TREATMENT ALTERNATIVE STUDY, SERE CAMP, SAN DIEGO, CA.

Proteus Consulting teamed with Thomas/Wright, Inc. to conduct a preliminary engineering study for the wastewater treatment options at the Survival, Evasion, Resistance, and Escape (SERE) training facility at the U.S. Navy's Training Site in Warner Springs, CA located in the Cleveland National Forest. It is in a remote area near the community of Warner Springs in the northeastern San Diego County, at an elevation of about 3,200 feet. The Camp consists of a headquarters area with an administrative building, several staff barracks building, a wastewater treatment plant, and a training compound. All west coast Navy/Marine Corps personnel who risk capture during wartime (e.g. aviators) undergo SERE training at this facility. The Warner Springs SERE Facility covers 6,100 acres and trains over 1,500 students each year.

The project included a detailed review of the existing treatment plant, followed by preliminary design of proposed new facilities/ upgrades. Proteus Consulting evaluated feasible alternatives to ensure that the new plant will consistently meet the NPDES permit.

CROSS CONNECTION CONTROL REGULATIONS UPDATE, RINCON DEL DIABLO MWD , CA.

Proteus Consulting is reviewing and updating the cross-control regulations for Rincon del Diablo Municipal Water District. This includes a clear definition of the scope of work performed by the District, by developers, and by homeowners.

MT. ISRAEL PIPELINE REPLACEMENT, OLIVENHAIN MUNICIPAL WATER DISTRICT, CARLSBAD, CA.

Proteus Consulting has completed a project with OMWD for the replacement of approximately 1,400 lineal feet of 8-inch potable water pipeline and appurtenances on Mt. Israel Road. The key elements included location of the main in County road and right-of-way, easement analysis, design of pipeline in rock, traffic issues, and community assurance.

RANCHO LA CIMA/ALISO CANYON PIPELINE RELOCATION, OLIVENHAIN MUNICIPAL WATER DISTRICT, CARLSBAD, CA.

Proteus Consulting has completed the design of relocation of an 8-inch PVC water pipeline at the intersection of Aliso Canyon Road and Rancho La Cima for OMWD. This relocation was necessary due to a conflict with the proposed new 60-inch County storm water pipeline along Aliso Canyon Road. The intent of this project was to lower the current water main to clear the proposed storm drain.

SEWER PUMP STATION DESIGN FOR LOT 7, TRACT 4805.

Proteus Consulting teamed with Sol Engineering to design a packaged sewer pump station to handle the wastewater from a large luxury house situated on the side of a hill and deliver the wastewater along the slope to a manhole situated approximately 500 feet higher. The design involved preparation of plans and specifications and approval by the County.

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PUBLICATIONS

CONFERENCE PRESENTATIONS, INVITED TALKS, AND WHITE PAPERS:

- **Water+Innovation: Understanding Innovation Companies and How to Develop a Successful Partnership**, CWEA 2013.
- **Water and Energy are Intertwined and Interdependent, What is the Next Frontier?** , CWEA 2013.
- **Energy Monitoring and Tracking at Wastewater Treatment Plants**, (Alternate) CWEA 2013.
- **Water+Information: The Big Data Problem in the Water Industry and What We Can Do About It**, (Alternate) CWEA 2013.
- **Water – An Endangered Resource**, Clean Energy Principles, March 2012.
- **Thumb Rules for a Happy Professional Life**, 2011 CA-NV AWWA Educational Extravaganza
- **Strategies for Managers and Supervisors to Achieve Excellence in the Workplace**, 2011 CA-NV AWWA Educational Extravaganza
- **Vacuum Sewers – A Viable Alternative for Wastewater Collection and Transport in Coastal Areas**, COPRI Coastal Engineering Practice Conference 2011.
- **Alternative Selection - How to Incorporate Sustainability**, CWEA 2011.
- **Design Build Project Delivery: Myth & Reality**, CWEA 2011.
- **Strategies for Improving Professional Life and Workplace**, Society Of Women Engineers (SWE), Nov 2010
- **Singapore and Australia: How are they dealing with water problems?**, Council of Water Utilities(COWU), October 2010
- **Seawater Desalination White Paper**. Coastal Water Project 2004
- **Drinking Water Membranes – Similarities and Differences between Manufacturers**, NCAWWA/WEA 2006
- **Introduction to Integrated Membrane Systems for Drinking Water**, Spring Fling, NC AWWA/WEA 2006
- **Use of XAD-4 Resins for remediation of PCB contaminated soils**, SUNY Buffalo, 2000.
- **Soil Behavior and Soil Structure Interaction**, Forum of Scientists, Engineers, and Technologists, 1995

IN THE MEDIA:

- **Intertwined and Interdependent**, Water Efficiency 2012
- **Intertwined and Interdependent**, Distributed Energy 2012
- **Proactive, multipronged approach needed to secure water sources, experts say**, The Daily Transcript, March 2011
 - Won 2012 San Diego SPJ Award Winners - 1st Place. Judges' Comments: Informative story on a complicated issue.
- **Purple-Colored Conservation - Decentralized reclamation and reuse for water savings**, Water Efficiency, December 2010

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POSITIONS HELD BY CEO

- **CONNECT Springboard**
 - Domain Expert for all things Water, Energy, and CleanTech 2012, 2013
- **CleanTech Open**
 - Mentor to Water, Wastewater, Recycled Water, and Waste-to-Energy Teams 2011 2012, 2013
- **FLOW, Caltech**
 - Mentor for Water related innovation 2012, 2013
- **World's Best Technology Innovation Marketplace (WBT)**
 - Mentor for six teams in 2012
- **California Water Environment Association**
 - Board Member, 2013 - 2014
 - Training Certification Program (TCP), Executive Committee 2011, 2012, 2013
 - San Diego Section Training Coordination Chair 2010, 2011, 2012
 - Awards Committee, San Diego Section 2010, 2011
- **Water For People**
 - Vice Chair, San Diego Committee 2010, 2011
 - Professional Outreach, San Diego Committee 2012, 2013
- **University of Irvine, Civil and Environmental Engineering Department Affiliates**
 - Steering Committee

BUSINESS INFORMATION

Structure: S Corporation
Established: October, 2010
ORCA/DUNS: 831677229
EIN: 90-0614930
NAICS: 541330, 541340, 541490, 541611, 541618, 541620, 541690, 541990, 611430, 221310, 221320,
PSC: AD24, AD26, AH34, AH35
FSC: 4601, 4620, 4630, 7030, 7435
SIC: 1623, 1629, 1781, 4941, 4952, 4953, 4959, 4971, 4619, 7389, 8299, 8711, 8712, 8741, 8742, 8744, 8748
NIGP: 91820, 91831, 91832, 91835, 91838, 91842, 91843, 91846, 91875, 91887, 91888, 91890, 91897, 92517, 92524, 92528, 92533, 92535, 92538, 92544, 92555, 92567, 92570, 92583, 92587, 92596, 92597, 95816, 95826, 96110, 96156, 96161, 96896

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CERTIFICATIONS

Small Business Enterprise – Port of Long Beach, San Diego County Water Authority, San Diego Association of Governments (SANDAG) Architecture and Engineering (A & E) Small Business “Bench” (#103011)

Small Local Business Enterprise (SLBE & ELBE) – City of San Diego (#12PC0555)

Small Business (Micro) – California Department of General Services (#1417140)



STATEMENT OF QUALIFICATIONS

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Woman and Minority Owned Business Enterprise (WMBE) – California Public Utilities Commission (CPUC) (VON 10100168)

Emerging Business Enterprise (EBE) – Office of Small Business & Disabled Veteran Business Enterprise Services, City of Los Angeles

Disadvantaged Business Enterprise (DBE) – California Unified Certification Program (CUCP) - pending approval

Small Disadvantaged Business – Small Business Administration (Self certified)

Minority Owned – Small Business Administration (Self certified)

Woman Owned – Small Business Administration (Self certified)

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