



Appendix 13-1:  
DWW Mgt Team Resumes

## **JEFFREY GRYBOWSKI**

---

### **PROFILE**

Mr. Grybowski is the Chief Executive Officer of Deepwater Wind, where he manages the company's portfolio of offshore wind and transmission projects. He has been intimately involved in the development of Deepwater Wind's path-breaking Block Island Wind Farm since its inception in 2008.

Mr. Grybowski has been at the forefront of shaping the commercial structures and government policies necessary to support offshore wind in the U.S. He plays a key role in the development of federal and state policies governing the leasing, permitting, and commercialization of offshore wind and transmission projects. Through the advancement of the Block Island Wind Farm, Mr. Grybowski has been a leader in establishing the commercial framework for standing up a new renewable energy industry in the United States.

### **EXPERIENCE**

#### **Deepwater Wind, LLC, Providence, RI**

*Chief Executive Officer*

#### **Hinckley, Allen & Snyder, LLP, Providence, RI**

- Partner, Corporate and Business Law Group
- Chair of the Green Law Group

#### **Office of the Governor of the State of Rhode Island**

*Chief of Staff, Deputy Chief of Staff, and Policy Director (2003 - 2007)*

#### **Sullivan & Cromwell, New York, NY**

*Associate, Complex corporate and business law*

#### **Chambers of Chief Judge Ronald Lagueux, U.S. District Court for the District of RI**

*Judicial Clerk (1998 – 1999)*

### **EDUCATION**

#### **University of North Carolina at Chapel Hill School of Law**

Juris Doctor with High Honors, 1998

Order of the Coif

*North Carolina Law Review*, Publication Editor

#### **Brown University**

A.B. with Honors in Public Policy, 1993

## CHRIS VAN BEEK

---

### PROFILE

Chris serves as President, where he is responsible for Technology, Operations, Project Management, Construction and Permitting.

Prior to joining Deepwater Wind, Chris served most recently as Chief Operating Officer and Executive Vice President for Heerema Marine Contractors, a global leader in offshore construction based in The Netherlands. Over his 25-year career at Heerema, Chris was involved in all aspects of offshore oil and gas marine construction including engineering, operations, procurement, contracting, equipment management, planning, logistics, and project management. Van Beek is formerly a member of the International Marine Contractors Association, where he served as chairman of the safety and legislation committee.

### EXPERIENCE

#### **Deepwater Wind LLC**

##### *President*

- Responsible for Technology, Operations, Project Management, Construction and Permitting.

#### **Heerema Marine Contractors** (largest offshore construction company in the world)

##### *Engineering Manager 1988-1992*

- Designed and engineered the installation of 100+ platforms

##### *Manager Operations 1992-2000*

- Managed the operations and maintenance of the 3 largest crane vessels in the world

##### *Manager of Projects 2000-2005*

- Leading an operation with 25 project managers and project directors while executing 20 till 30 projects per year

##### *Executive Vice President and Chief Operating Officer*

- Achieved a turnover growth from 550 US\$ in 2005 to 1.2 billion in 2009. Expanded the business with Deepwater EPIC projects and long term decommissioning projects.

### EDUCATION

BSC in Civil Engineering from Technical College in Zwolle

Degree in Economics, Erasmus University in Rotterdam

## DAVID HANG

---

### PROFILE

An experienced financial professional with over 15 years in the private equity industry, including 12 years in energy investing and 3 years as the chief financial officer for an energy development company.

### EXPERIENCE

#### **Deepwater Wind Holdings, L.L.C.**

*Member Board of Managers and Chief Financial Officer*

- Manages all financing activities for Deepwater Wind, LLC.

#### **The D.E. Shaw Group**

*Senior Vice President 2007 – Present*

- Buyout and growth equity division of \$32 billion global investment and technology development firm.

#### **J.P. Morgan Partners, LLC** (and various predecessor and successor organizations)

*Principal 1998 –2007*

- Private equity division of JPMorganChase including the \$6.5 billion Global Fund of buyouts and growth equity.

### EDUCATION

**University of Virginia**, Charlottesville, VA

Bachelor of Commerce in Finance, with Distinction

## DAVID SCHWARTZ

---

### PROFILE

An experienced professional with over 20 years of demonstrated entrepreneurship, legal and managerial experience, and significant transactional involvement, both domestic and international, including originating start-up capital and working capital financing, complex structured transactions, over-the-counter derivative transactions, joint ventures, mergers and acquisitions and project, structured and corporate finance, secured loan transactions, and large syndicated financings. He has participated in the development, financing and sale of 1,000's of megawatts of generation and has assisted numerous IOUs, cooperatives, municipalities and industrials in structuring and executing power supply agreements. His career has included positions with prominent law firms, publicly traded companies and entrepreneurial start-ups. He has served as advisor and board member to several successful start-up companies.

### EXPERIENCE

#### **Deepwater Wind Holdings, L.L.C. General Counsel 2009 – Current**

- Member of the senior management team. Counsel management and participate in the development and implementation of the Company's commercial strategy. Responsible for oversight of the Company's legal and regulatory functions.

#### **Green Rock Energy, L.L.C. Executive Vice President 2008 - Current**

- Responsible for providing leadership for the commercial undertakings of the company and its portfolio investments.

#### **The ERORA Group, L.L.C. Member and Managing Director 1999 – 2008**

- Co-founder and member of an independent developer of power generation facilities. Managed development and sale of eight facilities totaling 3,200 MW.

#### **NP Energy Inc. Vice President, General Counsel and Secretary 1997 – 1999**

- One of the original members of the senior management team that established and directed one of the fastest growing energy marketing and trading firms in the United States. Responsible for the Company's legal, administrative, contracting, back office and credit functions and represented the Company before regulatory agencies. Managed the sale of the Company in 1999.

#### **LG&E Power Inc. Senior Counsel 1992 – 1997**

- Participated in all aspects of the business development process, including recommending investments. Provided legal services to energy trading, marketing and power plant development subsidiary of LG&E Energy Corp.

#### **Skadden, Arps, Slate, Meagher & Flom 1989 – 1992**

#### **Melrod, Redman & Gartlan 1987 – 1989**

### EDUCATION and BAR MEMBERSHIPS

Admitted: District of Columbia; Commonwealth of Virginia (limited)

National Law Center, George Washington University, Washington, D.C. Juris Doctor Degree with High Honors received May, 1987. Order of the Coif, Moot Court Board.

University of Delaware, Newark, Delaware. Bachelor of Science degree in Accounting received June, 1984. Minor in Business Administration.

## David Schwartz Project Experience

Project	Location	Type	Size (MW)	D	P	I	F	C	O	S
<b>Roanoke Valley</b>	North Carolina, USA	Coal	200	X	X	X	X	X	X	
<b>Alta Vista</b>	Virginia, USA	Coal	70	X	X	X	X	X	X	
<b>Hopewell</b>	Virginia, USA	Coal	70	X	X	X	X	X	X	
<b>Southampton</b>	Virginia, USA	Coal	70	X	X	X	X	X	X	
<b>Taylorville</b>	Illinois, USA	IGCC	770	X	X					X
<b>Cash Creek (Development Terminated)</b>	Kentucky, USA	IGCC	770	X	X					
<b>Power County Advanced Energy Center</b>	Idaho, USA	CG		X	X					X
<b>Faustina (Development Terminated)</b>	Louisiana, USA	CG		X	X					
<b>HenderSun</b>	Kentucky, USA	Gas	800	X	X					
<b>Kingman</b>	Arizona, USA	Gas	650	X						X
<b>Butler</b>	Missouri, USA	Gas	500	X						X
<b>Danville</b>	Illinois, USA	Gas	500	X						X
<b>Gratiot</b>	Michigan, USA	Gas	500	X						X
<b>Kalkaska</b>	Michigan, USA	Gas	500	X						X
<b>Stoddard</b>	Missouri, USA	Gas	500	X						X
<b>Williamson</b>	Illinois, USA	Gas	500	X						X
<b>Maraven</b>	Venezuela	Gas	330	X	X	X				X
<b>Jackson</b>	Illinois, USA	Gas	200	X						X
<b>Obion</b>	Tennessee, USA	Gas	200	X						X
<b>Tucuman</b>	Argentina	Gas	125	X	X	X	X	X	X	
<b>Rensselaer</b>	New York, USA	Gas	80	X	X	X	X	X	X	
<b>Buffalo Ridge</b>	Minnesota, USA	Wind	25	X	X		X	X	X	
<b>Palm Springs</b>	California, USA	Wind	25	X	X		X	X	X	
<b>Tarifa</b>	Spain	Wind	30	X	X		X	X	X	
<b>West Texas</b>	Texas, USA	Wind	40	X	X		X	X	X	
<b>Block Island</b>	Rhode Island, USA	Wind	30	X	X	X	X	X	X	
<b>Total</b>			7,485							

Project activities performed by David Schwartz (at LG&E Power, NP Energy, The ERORA Group, LLC, GreenRock Energy LLC, and Deepwater Wind, LLC) are denoted by an X in the following columns:

D = Development; P = Permitting; F = Financing; I = Insurance; C = Construction; O = Operation & Maintenance; S = Sold (equity to 3rd-party)

## CLINTON L. PLUMMER

---

### PROFILE

Entrepreneurial development professional experienced in team-building, project origination and complex sales, analytics and modeling, deal-making and negotiations, financial structuring and asset underwriting.

### EXPERIENCE

#### **Deepwater Wind LLC**

*Vice President, Development*

Manages all early stage development activities for Deepwater Wind, LLC. Responsibilities include project feasibility assessment, environmental planning, and financial modeling.

#### **Endurant Energy LLC** (a portfolio company of Rho Capital Partners, Inc.) Hoboken, NJ

*Vice President, Asset Development and Underwriting 2006 - 2007*

Built and led a small internal team (one deal attorney and one analytic support person) focused on development of distributed energy assets in Eastern United States.

Originated and led asset underwriting for (i.e. site assessment, project concept development, financial modeling, credit risk analysis, etc.) a US\$100 million pipeline of distributed energy projects.

Designed a documentation structure, managed a team of attorneys which created forms of agreement and negotiated commercial terms for the development of a 5MW landfill-gas-to-power project.

Structured, among others deals, a joint-venture with a leading Real Estate Investment Trust for the development of a 6 MW co-generation system at the 4th largest building in New York City.

Secured a total of approximately US\$15.5 million in government incentive funding for the development of ten separate power generation projects.

#### **Redwood Power Company, Inc.** Cambridge, MA

*Founder and President 2004 - 2006*

Founded and led Redwood to develop retail (i.e. "behind-the-meter") distributed power generation projects which offered rates of return acceptable to private equity investors.

Originated and developed distributed power generation projects in commercial office buildings owned by large real estate investment trusts (e.g. Boston Properties, Trizec Properties, among others).

Managed the legal team which created forms of agreement and development documents for all deals

Developed structure, negotiated terms and secured US\$50 million equity line of credit for investments in distributed power generation projects.

Sold development pipeline to Endurant Energy in 2006; resulting in a 7.5% year-over-year return to all investors.

#### **Massachusetts Institute of Technology** Cambridge, MA

*Research Associate, Engineering Systems Division 2003 - 2004*

Researched and co-authored whitepapers on applications of auction theory.

### EDUCATION

Master of Engineering, Massachusetts Institute of Technology Cambridge, MA 2002 – 2003

Coursework in Engineering Systems Analysis for Design, Probabilistic Systems Analysis, System Dynamics, Dynamic Pricing, Finance Theory and Asset Pricing Models.

Research and master's thesis exploring applications of auction theory.

The Ohio State University, Fisher College of Business Columbus, OH

Bachelor of Science in Business Administration, Magna Cum Laude, with honors 1998 - 2002

Honors include Dean's List, 1998-2002. National Society of Collegiate Scholars, 1999. Fisher College

Honors Cohort, 2000-2002. Fisher College Pace Setter Student Award, 2001. Robert E. Georges

Pace Setter Senior Award, 2002

## **MATTHEW A. MORRISSEY**

---

### **PROFILE**

Mr. Morrissey is Vice President, Massachusetts of Deepwater Wind where he oversees the company's efforts in the Massachusetts offshore wind market. Since 2007, Mr. Morrissey has been a leader in advancing offshore wind policy in the United States.

As founding Managing Director of Offshore Wind: *Massachusetts* Morrissey devised the strategy and brought together offshore wind developers, the industry's largest OEM's and dozens of other supply chain companies to tell the industry's story to community, business leaders and elected leaders in Massachusetts. This successful effort ultimately led to a landmark law calling for 1600MW of offshore wind to be competitively bid into the market.

### **EXPERIENCE**

#### **Deepwater Wind, LLC, Providence, RI**

*Vice President, Massachusetts*

#### **Offshore Wind: Massachusetts**

*Managing Director*

#### **New Bedford Wind Energy Center**

*Managing Director*

#### **The Greater New Bedford Economic Development Council**

*Executive Director*

#### **University of Massachusetts Dartmouth**

*Assistant to the Chancellor*

### **EDUCATION**

#### **University of Massachusetts Dartmouth**

*B.A. Literature*

#### **Harvard University Graduate School of Design**

*Advanced Management Development Program in Real Estate, Graduate, Non-Degree*



## **Aileen Kenney**

---

Aileen is the Vice President of Permitting and Environmental Affairs at Deepwater Wind. She is responsible for overseeing the environmental assessment, permitting, and key stakeholder outreach on all projects. Since joining Deepwater Wind in 2010, Aileen has established and maintained constructive relationships with key stakeholders. Working with federal and state agencies, members from local Native American tribes, the commercial and recreational fishing community, and both regional and national environmental advocacy organizations, Aileen successfully permitted the Block Island Wind Farm and Transmission System. Aileen was instrumental in developing measures to protect the endangered North Atlantic Right Whale. Her environmental stewardship and commitment to the stakeholder engagement process has helped make Deepwater Wind a leader in responsible offshore wind development. Prior to joining Deepwater Wind, Aileen worked on the permitting of wind and other energy projects in the United States and abroad for over 10 years.

### **VICE PRESIDENT OF PERMITTING AND ENVIRONMENTAL AFFAIRS –April 2010 -present** *Deepwater Wind, LLC; Providence, Rhode Island*

Responsible for environmental surveys and permitting of Deepwater Wind's portfolio.

- Responsible for successfully permitting the first offshore wind farm in the United States, the Block Island Wind Farm (BIWF) and the associated Block Island Transmission System (BITS)
- Responsible for stakeholder outreach with tribes, fishermen, and environmental NGOs
- Primary contact with all federal, state, and local agencies
- Crafted all mitigation measures in consultation with technical experts and agency / stakeholders
- Developed construction compliance plans, currently managing construction compliance

### **NATIONAL DIRECTOR OF WIND ENERGY -- April 2009 – April 2010**

*Tetra Tech EC, Inc.; Boston, Massachusetts*

Leads the Wind Energy program, spearheading the business strategy and development for national wind energy consulting practice

- Increased Wind Energy Program revenues to more than \$20 million in 2009.
- Diversified core company services to include emerging offshore wind market.
- Serve as corporate sponsor and client service manager to maintain strong relationships with many national clients including: CPV Renewable Energy, enXco, Horizon Wind Energy, Invenergy LLC, GDF-Suez, Enel North America, OwnEnergy.
- Provide cost proposal review and technical oversight on projects across the country.
- Through internal coordination with technical and operations managers, ensure that: 1) deliverables receive appropriate Quality Assurance/ Quality Control; 2) the depth and breadth of internal resources are sufficient to meet out clients' needs; and 3) clients expectations and goals are met.

### **DIRECTOR OF BUSINESS DEVELOPMENT -- December 2007 – April 2009**

*Tetra Tech EC, Inc.; Boston, Massachusetts*

- As part of a national business development team, grew the renewable energy market sector for Tetra Tech EC Inc. by 800%.
- With a primary focus on developing wind energy, increased company's market share in wind energy sector through business development roll focused on cross-selling newly expanded wind construction services to existing clients.
- Key role in establishing construction marketing plan which resulted in over \$100 million in revenues in 2008-2009.
- Developed successful business and marketing strategy for offshore wind energy which resulted in Tetra Tech supporting multiple projects from along the east coast and in the Great Lakes.
- Continued focus on developing new renewable energy clients, and managing existing relationships and showcasing Tetra Tech's capabilities at multiple conferences and meetings.

**Aileen Kenney (Continued)**

---

**PROJECT MANAGER -- 2004 – 2008**

*Tetra Tech EC, Inc.; Boston, Massachusetts*

**Wind Energy Facility Siting and Permitting**

- Managed or participated in more than 50 projects across the United States. Tasks included site identification / selection, GIS constraints mapping, critical issues analyses, local, state, and federal permitting, biological, cultural, and land use assessments, Phase I & Phase II Environmental Site Assessments, engineering design, construction and operations phase compliance inspection and monitoring.
- Senior Regulatory Specialist responsible for developing permitting strategy on several complex wind energy projects.
- Project Manager for preparation of American Wind Energy Association (AWEA) Wind Energy Siting Handbook.
- Project Manager for environmental compliance, wetland permitting, and civil engineering for 300 MW Maple Ridge Wind Farm in New York. Co-authored the Maple Ridge Wind Farm Construction & Environmental Management Plan, the first of its kind for a wind project in the state of New York.
- Project Manager for Bureau of Land Management meteorological tower environmental assessment and plan of development in Nevada.
- Authored several construction phase and operation phase environmental compliance plans for wind projects.

**Energy Facility Siting, Permitting and NEPA Review**

- Managed or participated in the preparation of National Environmental Policy Act and state environmental policy act documents for liquefied natural gas (LNG) and natural gas pipeline projects in six states including Maine.

**ENVIRONMENTAL PLANNER -- 2004**

*Sinclair Knight Merz; Perth Australia*

- Prepared sections of Environmental Impact Statement / Environmental Resource Management Plan for Chevron Texaco Australia, Gorgon Gas Development on Barrow Island in Western Australia.
- Reviewed and updated onshore and offshore hazardous waste management procedures for the Nexen Petroleum Australia Buffalo Venture in the Timor Sea.
- Technical editor of all text and author of waste management plan for the Blacktip Gas Project in Joseph Bonparte Gulf, Northern Territory, Australia

**ENVIRONMENTAL PLANNER -- 2001- 2004**

*Tetra Tech EC, Inc.; Boston, Massachusetts*

- Author of Water Use and Quality, Vegetation and Wildlife, Socioeconomics and Land Use, Recreation, and Visual Resource Reports for five separate natural gas pipeline applications to the Federal Energy Regulatory Commission.
- Coordinated and conducted environmental field surveys along more than 300 miles of proposed natural gas pipeline route in several states.
- Biological monitor during construction of an 80-mile-long natural gas pipeline along an environmentally sensitive route from Ehrenberg, Arizona through southeast California to the US/Mexico border.

**EDUCATION**

Master of Arts, Environmental Science & Policy, Clark University, Worcester, MA, 1999

Bachelor of Arts, Environmental Science & Policy, Clark University, Worcester, MA, 1998

## **BROOK KNODEL**

---

### **PROFILE**

Brook serves as Vice President for Transmission at Deepwater Wind where he oversees the formation and implementation of transmission strategies for development, permitting, construction and operation of the Company's project portfolio.

Brook has more than 25 years of experience and in power engineering and has led an extensive portfolio of renewable and traditional energy projects in North America and the Middle East. He is a leading expert in the technical challenges related to offshore wind including interconnection, cable systems and near-shore grid sensitivities.

### **EXPERIENCE**

#### **Mott MacDonald USA, LLC (2007-2018)**

Projects Director  
Electrical Group Manager

#### **Careba Power Engineers (2001-2007)**

Senior Electrical Engineer

#### **R.G. Vanderweil Engineers (1998-2001)**

Electrical Engineer

#### **International Business Machines, Inc. (IBM) (1998)**

ASIC Verification Engineer

#### **R.G. Vanderweil Engineers (1998-2001)**

Junior Electrical Engineer

### **SELECTED PROJECTS:**

**Mass Global, Amman Jordan, Mass Global:** Owner's engineering services for conversion of a large gas-fired power plant in Kurdistan, Iraq. The project included conceptual design and design criteria development for two 250MW steam turbine generators and a new 400kV switchyard.

**Deepwater Wind, Hoboken NJ, Deepwater Wind:** Owner's engineering development support services for various large offshore wind farms being developed in the North Atlantic region of the United States. The projects combine for over 3000MW currently in development.

**Noble Environmental Power, Essex CT, Noble Environmental Power:** Project manager for detailed design of four wind farm interconnection facilities in upstate NY. Services included two new 230kV switchyards, wind farm collector substations and major expansions to an existing 230kV NYPA switchyard. The projects generate over 400MW of renewable energy to the region.

**Longview Power, Maidsville WV, GenPower:** Owner's engineering development support for the interconnection of a 700MW pulverized coal fired supercritical power plant near Morgantown, WV. The interconnection included a new 500kV expandable ring bus for Allegheny Power, a five-mile 500kV transmission line and a substation at the power plant.

**Northeast Utilities Service Company, Berlin CT, NUSCO:** Project Manager/Director for various substation expansion projects at multiple locations in western Connecticut. Mott MacDonald has been working under a continuing services agreement since 2004.

## **BROOK KNODEL**

---

**National Grid, Waltham MA, National Grid:** Project Manager for transmission substation expansion projects at various locations in western Connecticut. MM/CPE has been working under a continuing services agreement since 2003.

**New York State Electric and Gas, Binghamton NY, NYSEG:** Project Director for a 115kV substation expansion for NYSEG in eastern NY State. The expansion was undertaken to allow for the interconnection of a large flywheel facility being constructed by Beacon Power. Enhancements include site upgrades to meet new Northeast Power Coordinating Council requirements as well as adding a pilot protection scheme between NYSEG and National Grid.

**New York Independent System Operator, Rensselaer NY, NYISO:** Project Director for Class Year Part 1 Facility Studies being performed under a Master Services Agreement. Work includes developing and compiling the various project schedules, construction responsibilities, cost estimates, design standards and preliminary drawings for new generating facilities in New York State.

**Competitive Power Ventures, Braintree MA, CPV:** Owner's engineering development and design oversight support for projects throughout the United States. Services include electrical utility interconnection filing, study evaluations and interconnect negotiations. Mott MacDonald provides support from conceptual design through contractor oversight during construction.

## **EDUCATION**

MS in Electrical Engineering from Clarkson University  
BS in Electrical Engineering from Clarkson University

Professional Engineer: New York State

---

**EXPERIENCE**

---

**Deepwater Wind****July 2013-Present**

Providence, Rhode Island

**Director of External Relations, RI**

- Lead community relations and stakeholder engagement operations in Rhode Island.
- Assist with public relations and government affairs.
- Create print and web materials, logos, and other graphic and informational designs.

**Independent Consultant****August 2010-July 2013**

- Provided public relations and consulting services to political campaigns and businesses.
- Created print materials, logos, and other graphic designs.
- Built databases tailored to each individual client's needs; experience in government relations, government administration, campaign finance and grassroots database design.

**Office of the Governor, Donald L. Carcieri****November 2002 - August 2010**

Providence, Rhode Island

**Deputy Director of Legislative Affairs**

November 2006-August 2010

- Advised governor on legislation and policy related to all aspects of state government.
- Developed and assisted in the development of the governor's legislative initiatives.
- Drafted governor's legislation and negotiate legislative language among interested parties.
- Testified before legislative committees promoting the governor's legislative agenda.
- Served as governor's liaison to legislators, state agencies, advocacy groups, and lobbyists on legislative issues.

**Legislative Aide**

January 2003-May 2006

- Identified and monitored legislation that would have an impact on the administration.
- Provided information to office personnel on upcoming legislative and budget issues.
- Coordinated advice and consent hearings for governor's cabinet and nominees for boards and commissions.
- Designed and maintained database to track legislation and streamlined review process of legislation.

**Assistant Scheduler**

November 2002-January 2003

- Designed and maintained database to track governor's scheduling requests.
- Reviewed requests to identify notable events and meetings the governor may want to attend.
- Compiled and reviewed governor's daily briefing books which included comprehensive background information on scheduled events and meetings, speeches, and other materials as needed.

**Carcieri for Governor****2002 + 2006 Elections**

Warwick, Rhode Island

**Deputy Campaign Manager**

May 2006-November 2006

- Developed statewide targeting plan for messaging, voter contact programs, voter identification and turnout.
- Served as candidate's liaison to the National GOP, Rhode Island GOP and the 39 Republican city and town committees.
- Directed initiatives to various interest and community groups throughout the state.
- Arranged and managed filming schedules, locations, testimonials, and messaging for television and radio ads.

**Volunteer Coordinator**

July 2002-November 2002

- Facilitated the recruitment and management of over 2,000 campaign volunteers.
- Organized, trained and scheduled volunteers to effectively implement many of the campaign initiatives.
- Developed an organizational structure that streamlined communications with supporters.

---

**EDUCATION**

---

**Providence College 1998-2002**

Bachelor of Science with a Major in Business Management

## PAUL MURPHY

---

### EXPERIENCE

#### **Deepwater Wind LLC**

*Vice President, Engineering and Logistics*

#### **MIT Energy Initiative.** Cambridge, MA

*MIT-Total Research Fellow, MIT Future of Natural Gas Study –2008-2010*

- Selected and funded by leadership at MIT and Total to collaborate with experts in assessing the potential for the market penetration of natural gas vehicles over the next 20 years due to technology improvement, fuel price, and public policy.
- Present findings to MIT Energy Initiative leadership, MIT Future of Natural Gas advisory board, and as a collaborating author on the MIT Interdisciplinary study on the Future of Natural Gas.

#### **MIT Energy Conference. MIT** Cambridge, MA

*Managing Director –2009-2010*

- Led a team of 70 MIT PhD and masters students to plan and execute a student-led energy conference.
- Served as chief executive leading content, marketing, sponsorship, and operations decisions for a two-day, sold-out event serving over 1,000 participants.
- Raised over \$150,000 in Conference sponsorship from private and public organizations.

#### **City of New York.** New York, NY

*Director of Strategic Planning, Mayoral Initiative in the Department of Education –2004-2008*

- Joined NYC government as an Urban Fellow and advanced to Analyst (2005-2006), Senior Analyst (2006-2007), and Director of Strategic Planning (2007-2008), building a 3-member analytics team to implement a Bloomberg administration initiative to better serve at-risk NYC high school students.
- Designed analysis and presented results to Department leadership to lead the development and expansion of the Initiative, resulting in the opening of 40 new schools in the City's highest need neighborhoods.
- Led the development and implementation of a value added accountability system to assess Initiative performance. System used to evaluate performance of students, school leadership, and contracted vendors and to address frequent pressing inquiries from City leadership and the press.

#### **Carnegie Mellon University.** Pittsburgh, PA

*Graduate Researcher, Department of Civil Engineering–2002-200*

- Developed a novel technology to prevent carcinogenic PCBs found in industrial waterways from entering the aquatic food chain. Technology selected for U.S. EPA demonstration project.
- Collaborated with CETCO Inc. and Horne Engineering Services to design the mass production and placement of 100m<sup>2</sup> of the technology in Washington D.C.'s Anacostia River.
- Published peer-reviewed journal articles in *The Journal of Environmental Engineering* and *The Journal of Soil and Sediment Contamination* to describe technology development and implementation.

### EDUCATION

#### **Massachusetts Institute of Technology** Cambridge, MA

*Master of Science in Technology and Policy, MIT's Engineering Systems Division 2008-2010*

#### **Carnegie Mellon University.** Pittsburgh, PA

*Master of Science in Civil Engineering 2002-2004*

- Selected as the Outstanding Teaching Assistant of the Year, Department of Civil Engineering

#### **Syracuse University.** Syracuse, NY

*Bachelor of Science in Bioengineering 1998-2002*

- University Commencement Speaker, President of Tau Beta Pi Engineering Honor Society

## **PAUL J. MURPHY, Project Manager**

---

### EXPERIENCE

#### **Deepwater Wind LLC**

*Associate, Development*

#### **MIT Energy Initiative.** Cambridge, MA

*MIT-Total Research Fellow, MIT Future of Natural Gas Study –2008-2010*

- Selected and funded by leadership at MIT and Total to collaborate with experts in assessing the potential for the market penetration of natural gas vehicles over the next 20 years due to technology improvement, fuel price, and public policy.
- Present findings to MIT Energy Initiative leadership, MIT Future of Natural Gas advisory board, and as a collaborating author on the MIT Interdisciplinary study on the Future of Natural Gas.

#### **MIT Energy Conference.** MIT Cambridge, MA

*Managing Director –2009-2010*

- Led a team of 70 MIT PhD, MBA, and masters students to plan and execute a premier student-led energy conference.
- Served as chief executive leading content, marketing, sponsorship, and operations decisions for a two-day, sold-out event serving over 1,000 participants.
- Raised over \$150,000 in Conference sponsorship from private and public organizations.

#### **City of New York.** New York, NY

*Director of Strategic Planning, Mayoral Initiative in the Department of Education –2004-2008*

- Joined NYC government as an Urban Fellow and advanced to Analyst (2005-2006), Senior Analyst (2006-2007), and Director of Strategic Planning (2007-2008), building a 3-member analytics team to implement a Bloomberg administration initiative to better serve at-risk NYC high school students.
- Designed analysis and presented results to Department leadership to lead the development and expansion of the Initiative, resulting in the opening of 40 new schools in the City's highest need neighborhoods.
- Led the development and implementation of a value added accountability system to assess Initiative performance. System used to evaluate performance of students, school leadership, and contracted vendors and to address frequent pressing inquiries from City leadership and the press.

#### **Carnegie Mellon University.** Pittsburgh, PA

*Graduate Researcher, Department of Civil Engineering–2002-200*

- Developed a novel technology to prevent carcinogenic PCBs found in industrial waterways from entering the aquatic food chain. Technology selected for Environmental Protection Agency demonstration project.
- Collaborated with CETCO Inc. and Horne Engineering Services to design the mass production and placement of 100m<sup>2</sup> of the technology in Washington D.C.'s Anacostia River.
- Published peer-reviewed journal articles in *The Journal of Environmental Engineering* and *The Journal of Soil and Sediment Contamination* to describe technology development and implementation.

### EDUCATION

#### **Massachusetts Institute of Technology** Cambridge, MA

*Master of Science in Technology and Policy, MIT's Engineering Systems Division 2008-2010*

#### **Carnegie Mellon University.** Pittsburgh, PA

*Master of Science in Civil Engineering 2002-2004*

- Selected as the Outstanding Teaching Assistant of the Year, Department of Civil Engineering

#### **Syracuse University.** Syracuse, NY

*Bachelor of Science in Bioengineering 1998-2002*

- University Commencement Speaker, President of Tau Beta Pi Engineering Honor Society
-

# **John O'Keeffe**

## **Manager, Operations and Maintenance & Marine Affairs**

Deepwater Wind – Providence , RI

- Currently performs as Manager, Operations & Maintenance and Marine Affairs overseeing the Operations and Maintenance for the Block Island Wind Farm. John also handles Marine Affairs including, USCG liaison, marine stakeholder outreach and engagement with the maritime industry supporting marine based permitting on future projects.

## **Deck Officer**

Un-cruise Adventures - Seattle, WA / Oregon / Alaska - 2014

- Served as relief deck officer aboard the 210' SS Legacy and the 140' MV Safari Explorer sailing on the Columbia and Snake Rivers and Southeast Alaska
- Earned "acting as" pilotage in Alaskan waters
- Navigated sophisticated lock and dam system along with glacial ice navigation

## **Port Captain**

Bermuda Institute of Ocean Sciences - Saint Georges, DE - 2011 to 2014

- Overall responsibility for operations of 171' R/V Atlantic Explorer, while sailing 90+ days per year as Master/Chief Mate
- Managed shore support facilities, required SMS plans and crew training program as required by various regulatory bodies
- Port engineer during shipyard periods, request for quotations, shipyard selection and oversight of all shipyard work while staying on or under budget
- Managed the ship's officers and crew, temporary relief crew and volunteers
- Liaised with the Bermuda Government, international science community, general public and donors

## **Senior Chief Mate/Acting Marine Operations Coordinator**

Sea Education Association - Woods Hole, MA - 2009 to 2011

- Served as Senior Chief Mate and acting marine operations coordinator for S.E.A.
- Responsible for supervision and training of crew
- Contributed to long-term operations, planning, logistics, human resources, and maintenance of two 134' brigantines operating worldwide

## **Captain**

Portland Schooner Company - Portland, ME - June 2009 to August 2009

- Captain of John Alden designed and National Historic schooners SV Bagheera and SV Wendameen
- Responsible for the safe operation, navigation and supervision of crew for these two wooden sailing vessels in and around Casco Bay

## **First Officer**

STV Spirit of Bermuda - Hamilton - March 2009 to May 2009

Served as First Officer aboard STV Spirit of Bermuda, a 115' three masted wooden schooner during her 7,000-mile transatlantic voyage, participating in Tall Ships Atlantic Challenge

- Responsible for safety and supervision of crew, maintenance, scheduling

## **Chief Mate**

SSV Robert C Seamans - 2006 to 2009

- Served as chief mate aboard the SSV Robert C Seamans, a 134-foot steel brigantine, the most sophisticated oceanographic research/sailing school vessel ever built in the United States
- Oversaw all operations of the vessel and supervised approximately 10-15 professional crew and 20-30 students

## **Captain, Lightning II**

Boston, MA - June 2006 to August 2006



- Served as master of 5 ton 26' motor vessel Lightning II
- Responsible for safe operation and navigation in and around Boston harbor and islands

### **First Mate**

SV Liberty - Key West, FL - September 2005 to March 2006

- Served as first mate aboard SV Liberty
- Responsible for supervision of crew, daily maintenance and assisting captain as necessary

### **Sergeant**

United States Army - 1993 to 2001

- 19D20 Cavalry Scout specializing in armored reconnaissance
- Expert knowledge in weapons, tactics and various vehicles operation and maintenance
- Responsible for the accountability of platoon weapons and vehicles worth millions of dollars
- Attended the U.S. Army Primary Leadership Development Course in Grafenweohr, Germany
- Medically trained as a combat lifesaver
- Awarded the Order of the Spur for excellence in cavalry skills, Scout of the Year, 1999 and numerous medals for excellence and achievement

### **EDUCATION**

#### **Masters of Marine Affairs M.M.A. in Marine Affairs M.M.A**

University of Rhode Island March 2016

#### **B.S. in Environmental Studies minor in Oceanography**

Southern Vermont College March 2005

### **MILITARY SERVICE**

Service Country: United States Branch: US Army

Rank: Sergeant

1993 to 2001

### **CERTIFICATIONS/LICENSES**

#### **USCG 1600 / 3000 ton Ocean Master w/ Aux Sail endorsement**

#### **ADDITIONAL INFORMATION SPECIAL SKILLS**

- Extensive knowledge of oceanographic research equipment and deployment
- Ability to work in extreme environments with diverse groups of people
- Excellent communication, customer service skills and attention to detail
- Proficient on a variety of programs on PC and Mac, including Microsoft Office
- Educator (elementary through graduate level) and freelance curriculum writer-ESL
- PADI Rescue Diver (Dive Master in training), DAN certified First Aid/CPR/AED/Emergency Oxygen

Ms. Wilson is Manager of Permitting and Environmental Affairs at Deepwater Wind. She has over 20 years of experience in permitting and environmental compliance for marine and coastal development projects. Prior to joining Deepwater Wind, Stephanie worked as an environmental consultant, preparing and reviewing impact assessment documents, and collaborating with federal and state agencies and other key stakeholders, on behalf of clients associated with various coastal development projects, including offshore energy development projects. She is very familiar with the requirements of and compliance with federal, state, and local laws, regulations, and guidelines for projects related to offshore energy development including National/State Environmental Policy Acts (Environmental Assessment/ Environmental Impact Statements), Marine Protection Research and Sanctuaries Act, Clean Water Act (including National Pollutant Discharge Elimination System), Coastal Zone Management Act, Water Resources Development Act, Endangered Species Act, Magnuson-Stevens Act, Rivers and Harbors Act, and the Oil Pollution Act.

## **Professional Experience**

### **Deepwater Wind, LLC, Providence, RI**

Manager of Permitting and Environmental Affairs for multiple offshore wind energy and associated submarine cable projects in New England and the Mid-Atlantic.

### **ESS Group, Inc., Waltham, MA**

Senior Project Scientist/Project Manager (2013-2017)

- Environmental Assessment, Permitting, and Compliance for Offshore Wind Energy and Submarine Cable Projects
  - Served as project manager and technical lead responsible for coordination and management of multi-disciplinary project teams, in the preparation and review of environmental assessments and permit documents, including multiple NY Article VII documents
  - Assisted with agency coordination and outreach, including BOEM, NMFS, USACE, USCG, as well as various state agencies, including NY PCS, NY DOS and NY DEC
- Technical Studies for Bureau of Ocean Energy Management (BOEM)
  - Identification of Port Modifications and Their Environmental and Socioeconomic Consequences Associated with Wind Energy Along the Atlantic OCS.
    - Provided technical oversight for the identification of environmental and socioeconomic impacts and mitigation efforts associated with the expansion and use of port facilities for offshore wind energy developments.
  - 2nd Atlantic Wind Workshop
    - Provided support to BOEM in hosting its 2nd Atlantic Offshore Wind Energy Workshop to advance development of guidance for siting and monitoring of offshore wind development in the U.S.
- Deputy Director of Coastal Market
  - Member of team responsible for strategic decision making in pursuit of coastal market business opportunities.
  - Responsible for leading business development and networking efforts associated with offshore wind energy opportunities and Agency-sponsored environmental studies.

### **AECOM, Chelmsford, MA (formerly ENSR Consulting & Engineering)**

Senior Project Manager/Senior Scientist (1997-2013)

- Dredged Material Disposal Monitoring
  - Deputy program manager for dredged material disposal monitoring (DAMOS) program for U.S. Army Corps of Engineers, New England District.
  - Designed physical and biological monitoring surveys to assess impacts of aquatic dredged material disposal and analyzed resulting data and documented patterns of physical, chemical, and biological responses of seafloor environments to dredged material disposal.
- Environmental Impact Assessments
  - Prepared multiple impact assessment documents for private and public sector clients to assess offshore and nearshore project impacts, particularly related to dredging, water intakes/discharges, and construction/installation activities.
  - Familiar with the requirements of and compliance with federal, state, and local laws, regulations, and guidelines for projects conducted in the offshore environment, including NEPA, Marine Protection Research and Sanctuaries Act, Clean Water Act, Coastal Zone Management Act, Water Resources Development Act, Endangered Species Act, Magnuson-Stevens Act, Rivers and Harbors Act, and the Oil Pollution Act.

## **Education**

### **University of Rhode Island, Kingston, RI**

Master of Science, Marine Biology (Fisheries)

December 2003

### **University of New Hampshire, Durham, NH**

Bachelor of Science, Marine and Freshwater Biology, Statistics Minor

Summa Cum Laude,

May 1997

## **Current and Former Associations and Certifications**

American Fisheries Society

Ecological Society of America

New England Estuarine Research Society

NAUI Open Water I SCUBA Certification

U.S. Coast Guard Auxiliary Boating Skills and Seamanship Certification

U.S. Coast Guard Auxiliary Coastal Navigation Certification

40 Hour Hazardous Waste Operations and Emergency Response Training