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**State of Vermont
Public Utility Commission**

MEMORANDUM

To: Parties in Case 19-0919-PET; Commission's Vermont System Planning Committee email service list

From: Ann Bishop, Operations Director **AB**

Re: Opportunity to Comment on Updated List of Candidates for Vacant Vermont System Planning Committee Positions

Date: April 2, 2019

The terms of the primary member and alternate member representing the interests of electric power supply resources such as electricity generators on the Vermont System Planning Committee ("VSPC") are expiring shortly. The Vermont Public Utility Commission ("Commission") has advertised the openings for these positions.

The Commission received letters of interest from the following individuals for the advertised positions; if the letter of interest specified whether the person was interested in being the primary member or the alternate member that is indicated below. Copies of the letters of interest are attached to this memorandum:

- Ryan Darlow – either position
- Derek Moretz – primary member
- Scott Rowland – either position
- Nathaniel Vandal – primary member

This memorandum is being posted on the Commission's website and is being sent to:

- the parties to 19-0919-PET (the proceeding in which the VSPC asked the Commission to fill the vacancies); and
- the Commission's email list for persons interested in Vermont System Planning Committee matters.

Any person may file comments on the candidates with the Commission as public comments in case 19-0919-PET. All such comments should be filed on or before **April 12, 2019**.

Attachments (3)

March 29, 2019
Business Manager
Vermont Public Service Board
4th Floor, 112 State Street
Montpelier, VT 05620-2701



RE: Statement of Interest for Vermont System Planning Committee Generation Supply Member

Dear Business Manager,

As a small business owner within Vermont's growing renewable energy sector, I write this letter of interest to serve as the generation supply representative or alternate member on the Vermont System Planning Committee (VSPC). I have been regularly attending VSPC meetings since 2016 and maintain interest in grid modernization activities in Vermont as well as New England through ISO-NE's Planning Advisory Committee.

As project engineer at Vermont Environmental Research Associates (VERA), I have assisted our clients with navigating the challenges of interconnection in an increasingly complex and dynamic electric system. I have directly participated in the permitting, interconnection, and development of net-metering, standard offer, and community scale wind and solar projects in Vermont as well as other states in the northeastern US. Conversations at the VSPC meetings over the last several years are the starting point for many important discussions and decisions about how Vermont and ultimately the whole country will evolve our twentieth century centralized electric grid to the twenty-first century distributed electric system which is ultimately powered entirely by renewable energy. This is an essential task to fulfill Vermont's climate commitments and continue to grow our green economy.

As the generation supply representative or alternative member, I will work to communicate with Vermonters in addition to electric utilities and members of the renewable energy sector to help facilitate the rapid transition to renewable energy that our environment needs and that Vermont's ratepayers can afford.

Thank you for your consideration. I have attached my resume for your review, but to learn more please do not hesitate to contact me at 802.244.7522 or ryand@verarenewables.com.

Sincerely,

A handwritten signature in blue ink, appearing to read "Ryan Darlow".

Ryan Darlow
Project Engineer
VERA



Ryan Darlow
Project Engineer
Vermont Environmental Research Associates, Inc.

Experience

Project Engineer, *Vermont Environmental Research Associates; Waterbury, VT, 2015 - Present*

- Analyze wind resource data to generate wind energy production estimates and reports
- Manage wind and solar electrical interconnection processes in Vermont and through ISO-NE
- Deploy, maintain, and monitor multiple wind resource measurement technologies
- Managed and prepared winning bids for state (MA, CT, and VT) long-term renewable energy RFPs
- Develop and maintain pro-forma financial models for wind projects
- Prepared successful bids into ISO-NE's Forward Capacity Market
- Evaluate aesthetic impacts of wind and solar projects including photo simulations and shadow flicker
- Design and optimize site plans for solar and wind projects in New England
- Monitored and reported operational performance for Georgia Mountain Community Wind
- Assist in managing the development and permitting of net-metered solar projects in Vermont
- Provide expert analyses and testimony for wind project permitting
- Create and distribute public outreach materials for wind and solar projects in Vermont

Project Engineer, *PowerWorks LLC; Tracy, CA, 2013-2014*

- Assessed wind resources and energy production for proposed wind projects on four continents
- Optimized wind farm site plans for maximum energy yield while meeting permitting requirements for shadow flicker, sound, electrical, natural resource, financial, and aesthetic impacts
- Facilitated site visits and organized documentation for environmental consultants hired to produce a wind power project Environmental Impact Report
- Developed, implemented, and managed quality control processes for wind turbine blades and gearboxes to improve reliability for all new sales units
- Managed the process of acquiring the IEC 61400-11 certification for a 100-kW wind turbine
- Managed retrofit projects to improve the performance and reliability of operating units

Renewable Energy Feasibility Study Intern, *University of Vermont; Burlington, VT, 2012*

- Collaborated with Clough Harbour and Associates (CHA) to identify ideal locations for renewable energy deployment on UVM's campus
- Surveyed structures and open land for feasibility to install solar PV, solar thermal, wind, fuel cell, and geothermal energy systems
- Drafted feasibility study summaries and presented results to UVM and CHA
- 30 kW of solar PV have since been installed at one of the study's recommended locations

Education

University of Vermont; Burlington, VT, 2012

College of Engineering and Mathematical Sciences,

- BS in Mechanical Engineering, Mathematics Minor; GPA 3.9
- Honors: Magna Cum Laude, Outstanding Senior Award: Energy, Engineering Honor Society
- Engineering Intern: Vermont license number: 79659
- Relevant courses: Compressible Flow, Energy Systems, Fluid Mechanics, Thermodynamics

Aalborg University; Aalborg, Denmark, 2011

Department of Energy Technology,

- BS in Thermal Energy Engineering
- Relevant courses: Aerodynamics, Thermal Stress, Wind Turbine Optimization Project

Software and Equipment

- Proficient with WindPRO, WASP, ArcGIS, PVsyst, Windographer, Symphonie, ShortCut, Google Earth, Windfarmer, Microsoft Office, Microsoft Project, Matlab, SolidWorks, Photoshop, and LaTeX
- Provide technical support and network administration for colleagues in a small office environment
- Experienced deploying, maintaining, monitoring, and analyzing data from Triton SoDAR, Windcube LiDAR, Spidar LiDAR, and meteorological towers

March 27, 2019

Business Manager
Vermont Public Utility Commission
112 State Street, 4th Floor
Montpelier, VT 05620-2701

SUBJECT: Statement of Interest for Vermont System Planning Committee Representative

To Whom It May Concern:

I am pleased to express my sincere interest in the open position for the generation supply representative on the Vermont System Planning Committee (VSPC). I have followed the work of this body for years and would be thrilled to have a committed role in solving Vermont's transmission challenges.

As Chief Development Officer of Encore Renewable Energy, I have become intimately familiar with the issues facing the State's transmission system. Over the last decade, we have deployed solar projects across the region for myriad customers including commercial, institutional and utilities, and experienced first-hand the challenges with the growing saturation of renewables on the grid. I have a profound appreciation for the technical and regulatory challenges that lay ahead and am committed to finding solutions in a collaborative manner.

I have attached my resume with professional and educational experience but encourage you to ask around Vermont's regulatory and utility network for a sense of my character and record working through complex problems.

Thank you for your consideration.



Derek Moretz

Chief Development Officer

Encore Renewable Energy

110 Main Street, Suite 2E
Burlington, VT 05401
tel 802.540.8361

derek@encorerenewableenergy.com

EncoreRenewableEnergy.com

Derek W. Moretz

110 Main Street, Ste. 2E derek@encorerenewableenergy.com
Burlington, VT 05401 tel 802.540.8361

SUMMARY OF QUALIFICATIONS

Over 15 years developing renewable energy and infrastructure projects from concept to commissioning. Skills include deal structuring, customer/site acquisition, design, permitting, interconnection, financial modeling, regulatory affairs and construction management.

PROFESSIONAL EXPERIENCE

Encore Renewable Energy Chief Development Officer

2012-Present
Burlington, VT

- Manage development portfolio of MW-scale solar and storage projects across the Northeast, with focus on VT
- Lead project teams through sales, land acquisition, project layout, interconnection, financing and regulatory affairs
- Work with towns, businesses and landowners to develop solar projects on underutilized property
- Facilitate project financing with various investors, lenders and customers

Alpenglow Energy Solutions Principal

2011-Present
Northfield, VT

- Consulted sponsor developers across North America regarding technical, financial and regulatory matters
- Provided technical and regulatory due diligence for financing 189MW Montana wind farm
- Monitored national energy policy and provided comments on behalf of sponsor developers
- Provided design services for 250MW wind/solar hybrid facility near Sacramento, CA
- Originated and negotiated procurement contracts for equipment on behalf of sponsor developers

NaturEner Senior Development Manager

2008-2011
San Francisco, CA

- Managed land acquisition, environmental permitting, engineering and regulatory compliance for 1000MW development portfolio of utility wind projects across western US
- Supported multiple facets of nearly 400 MW of operating assets including 106MW Glacier Wind 1, 104MW Glacier Wind 2, and 189MW Rim Rock Wind projects
- Negotiated interconnection agreements with public utilities and merchant transmission operators as well as evaluated balancing, firming and energy storage solutions for operating wind farms

MesoAmerica Energy Business/Project Developer

2005 - 2006
San Jose, Costa Rica

- Designed and implemented greenfield plan which resulted in development of 200-300 MW of utility wind projects in Nicaragua, Honduras, Costa Rica, Guatemala and Panama
- Identified candidate project sites and managed local project teams through various stages of development
- Managed environmental, engineering and resource assessment studies for 100MW Cerro de Hula Wind Project near Tegucigalpa, Honduras

EDUCATION

NCSU JENKINS GRADUATE SCHOOL OF MANAGEMENT Master of Business Administration

2008
Raleigh, NC

APPALACHIAN STATE UNIVERSITY Bachelor of Science, Sustainable Technology Bachelor of Science, Construction Management

2004
Boone, NC

NC STATE UNIVERSITY Civil Engineering Program

1998-2000
Raleigh, NC

SCOTT ROWLAND
576 FARM BARN LANE • SHELBURNE, VT 05482
SROWLAND@GRAVELSHEA.COM
PERSONAL: (802) 734-8330 • WORK: (802) 658-0220

March 8, 2019

CERTIFIED MAIL

Business Manager of the Commission
Attn: Ms. Brenda Chamberlin
Vermont Public Utility Commission
4th Floor, 112 State Street
Montpelier, VT 05620-2701

MAR 13 '19 AM 9:16
PUBLIC UTILITY COMMISSION

Re: Request for Appointment as a Power Supply Resources
Representative of the Vermont System Planning Committee ("VSPC")

Dear Ms. Chamberlin:

Thank you for this opportunity to describe my qualifications and explain why I am seeking appointment to the VSPC as either a primary or alternate power supply resources representative. I look forward to this prospective opportunity to help shape Vermont's electric reliability planning and advance the recognized need to coordinate transmission planning with the goal of facilitating the increased penetration of distributed energy generation in Vermont.¹

I am an associate attorney for the Energy Telecom & Utilities group at Gravel & Shea PC in Burlington and am committed to advocacy on my clients' behalf. My practice spans a diverse range of energy and utility related issues, and includes assisting energy developers to participate in Vermont's net-meter and competitive bid program. I have also represented a prospective qualifying facility negotiate power supply agreements directly with a utility and its wholesale purchaser. Serving as a power supply resources representative would provide me a valuable opportunity to represent the interests of the multiple intrastate energy suppliers with whom I work.

I would bring diverse and relevant professional and academic experience to the VSPC. After graduating from Middlebury College, I worked for Independence Solar, a prominent renewable energy supplier with projects across New England and the mid-Atlantic states. In this role I learned what is required to ensure a successful energy development project. Most important, I gained appreciation for the importance of balancing the interests of investors, utilities, off-takers, and state governments when navigating planning and development issues, in order to reach mutually agreeable outcomes.

I am a graduate of Vermont Law School ("VLS") where my coursework focused on energy and transmission issues. At VLS, I served as an editor of the Vermont Journal of Environmental Law where I wrote extensively on the relationship between state and federal transmission siting

¹ See Docket No. 7081 Pages 7-8.

Business Manager of the Commission
Attn: Ms. Brenda Chamberlin

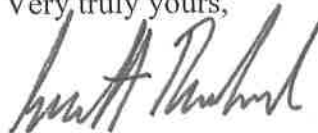
March 8, 2019
Page 2

authority. I worked in the VLS energy clinic addressing barriers to low-income access to renewable energy's financial and environmental benefits through the use of creative business and tax structures. At VLS, I also served as a legal intern at the Vermont Department of Public Service ("DPS"). At DPS, I gained valuable insight into and understanding for Vermont's regulatory system and transmission challenges from a regulator's perspective.

As a VSPC member, I will bring a balanced perspective to evaluating issues facing the state's transmission infrastructure, and planning for its future. Equally important, I will bring an inquisitive, evenhanded, and collaborative approach to my work with fellow Members. While I am passionate about the subject matter, my approach to collaborative endeavors is rooted in my calm demeanor and commitment to fostering consensus through teamwork and respectful deliberation.

If you have any questions, please ask. Thank you.

Very truly yours,



Scott Rowland

SR:kjm

MAR 13 '19 AM 9:16
PUBLIC UTILITY COMMISSI



VIA E-MAIL and US MAIL

March 29, 2019

Business Manager
Vermont Public Service Board
112 State Street, 4th Floor
Montpelier, VT 05620-2701

RE: Solicitation of Letters of Interest for Supply Resources Member

Dear Business Manager:

Please accept the following as my letter of interest to continue to serve as the Vermont System Planning Committee (VSPC) Electric Power Supply Resources Member.

I was born and raised in Vermont, and after working for a renewable energy developer in Seattle, WA, I returned to Vermont and founded Peak Solar, LLC in 2011. Since that time, Green Peak has been an active player in the independent electric power supply market in Vermont, including successfully developing several 2.2 MW projects under the Standard Offer Program, working directly with Vermont utilities on several 5 MW utility scale solar projects, as well as developing, owning and operating several net metering projects which sell power to schools and Towns across the State.

In addition to my activities in Vermont, I work as a consultant to WRB Energy, a Florida based renewable energy developer in Latin America and the Caribbean. In addition, I am also a consultant to GSSG Solar, a Colorado base solar developer, helping them to advance a portfolio of solar net metering projects in New Hampshire. I believe that my experience in developing Projects both in Vermont and out to State gives me a unique perspective to bring examples, whether policies, or specific non-transmission alternative projects for the committee to consider.

As the owner of a Vermont-based electricity supply company and a lifelong Vermonter, my interest in continuing to serve on the VSPC is to represent the interests of electricity suppliers. In addition to attending the quarterly meetings, I have been an active participant in the Geographic Targeting and Forecasting Subcommittees and believe the my presence and my comments in these meetings have been valuable.

In summary, I believe that my knowledge and experience at the VSPC, active participation in the independent electric power supply market in Vermont and my extensive professional background, enable me to be an informed and effective representative for electric power supply

at the VSPC. Thank you for your consideration. If there are any questions, please contact me at nvandal@greenpeaksolar.com and 802-496-3235.

Best regards,



Nathaniel Vandal
Principal
Green Peak Solar, LLC
127 Bent Hill Rd.
Waitsfield, VT
05673