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October 14, 2020

Debbie Eckels
New York Independent System Operator
10 Krey Boulevard
Rensselaer, NY 12144

Re: Presentation of Credentials for Potential Nomination as Business Issues Committee (BIC) Vice Chairperson for 2021

Dear Debbie,

Please accept this letter and attached resume in consideration as a potential nominee for Business Issues Committee (BIC) Vice Chairperson for the term December 2020 - November 2021.

I have included my resume and have offered brief answers to the customary questions posed to potential nominees.

Please forward this letter and attachments to the BIC's Nominating Subcommittee for consideration. Also let me know if you need any additional information or have any questions.

Sincerely,
EN ENERGY ENGINEERING

John J. Marczewski, P.E.
Vice President

JJM/jjm
Attachments

1. *Please describe all experience you have had in chairing groups or committees of diverse interests, with a list of such groups.*

I have chaired or have presided over numerous organizations of diverse interests. Examples include:

- NYISO Transmission Planning Advisory Subcommittee (TPAS) – chairperson, 2007-2008
- NYISO Operating Committee – chairperson, 2009-2010 and 2017-2018
- Epsilon Building Association (college fraternity alumni corporation and building owner) – Treasurer and President
- Greek Alumni Council, Worcester Polytechnic Institute - President
- Advance Gift Committee – Capital Campaign of the First Congregational Church of Holliston, MA – Co-Chairperson
- Operations Committee – First Congregational Church of Holliston, MA – Chairperson

2. *Please describe the support of your organization for your assuming the position of Vice-Chairperson, and describe your ability to make the necessary time commitment.*

My company (EN Engineering, LLC and its New York State entity EN Energy Engineering) and the primary client I have represented on the Operating Committee (East Coast Power, LLC) fully supports my potential nomination as BIC vice chair, and fully recognizes that this commitment will also include the position of chairperson the following year. I have been serving as East Coast Power's Operating Committee representative for many years, and have attended many TPAS, OC, and other meetings by phone or in person, and am able to provide the required time commitment to the BIC.

3. *Please describe any training or experience you have had in mediation, ADR or consensus building.*

I have received informal training and experience in these areas while employed by New England Power Service Company (now National Grid US), including working through several collective bargaining issues. My tenure on NYISO stakeholder committees, volunteer committees, and other organizations includes many instances of mediation and consensus building involving controversial issues.

4. *Please describe briefly why you would like to have this job.*

I believe I can help contribute to the NYISO stakeholder and governance process in a positive way given my prior experience on TPAS and the OC, and work with many of the transmission owners, project developers, and suppliers that participate in NYISO. I also have experience with work in other control areas such as ERCOT and PJM that can offer some breadth and insight to issues that may arise in NYISO. My technical knowledge of power system planning, economics, projects, and operations should help guide the BIC through some of the challenges it may encounter, especially given the many changes we will see coming in the New York electric power landscape such as integration of significant amounts of renewable generation and storage systems, and the market rule changes that will accompany these trends.

5. ***Please describe briefly your organizations actual and/or potential business interests in the Northeast and New York State, including the sector in which your organization participates for purposes of NYISO governance.***

My company, EN Engineering, LLC and its New York affiliate EN Energy Engineering (EN), represents several project developers and generators that participate in NYISO primarily in developing potential projects, responding to RFPs for resources, the interconnection study process, achieving commercial operation of a project, and other technical issues that may arise. EN also performs work for several of the transmission owners in NYISO primarily in the project management, project engineering, and owner's engineer areas. EN does not, and is not anticipated to have, any ownership interest in any project or facility in New York or the Northeastern US.

East Coast Power, LLC, who has retained EN's services and who I have represented on the Operating Committee, owns the Linden Cogeneration plant which connects to Con Edison's transmission system. East Coast Power participates in the Generation Owner's Sector. I also assist Linden VFT, LLC, a merchant transmission facility that connects PJM and NYISO, in technical matters relating to its interconnections with NYISO, Con Edison, PJM, and PSE&G.

Key Relevance
Electric transmission and distribution systems
Generator and transmission interconnection studies and processes
Traction power and railroad electrification
Substation engineering and equipment
Project development support
Distributed generation, renewables, new technologies

Job Title:
Vice President – Electric Consulting

Years with EN Engineering: 20

Total Years of Experience: 35

Primary Office Location:
Marlborough, MA

Education:
- Bachelor of Science With Distinction in Electrical Engineering, Worcester Polytechnic Institute
- Master of Engineering in Electric Power Engineering, Rensselaer Polytechnic Institute

Professional Registration:
- Professional Engineer - MA, CT, RI

Overview: As one of the founding members of Energy Initiatives Group (EIG) and Vice President - Electric Consulting following EN Engineering's acquisition of EIG in 2017, Mr. Marczewski continually applies his expertise and experience in many key aspects of electric power system projects and technologies. His past work includes assignments in distribution field engineering; substation engineering/design and project management; and operation of distribution, transmission, and generation projects. As the electric utility industry has evolved through deregulation, establishment of competitive power markets, and integration of renewable energy and storage, John has been involved in a wide range of assignments and projects involving state-of-the-art high voltage direct current (HVDC) and controllable AC transmission technologies, large-scale land and offshore wind, electric vehicle charging, and high-speed railroad electrification. He is also actively involved in ISO/RTO processes and stakeholder committees, and has twice served as chair of the NYISO Operating Committee.

Relevant Projects:

Linden VFT Transmission Project
Key technical consultant, interconnection management, and owner's engineer for development, design, construction, commissioning, market integration, and operation of a 315 MW controllable AC transmission tie between the northern New Jersey 230 kV and New York City 345 kV transmission networks. Continuing efforts to support ongoing technical, operational, and regulatory issues.

Consulting for Renewable Energy and Energy Storage Projects
Mr. Marczewski has or is currently assisting with the evaluation, site assessment, commissioning, and interconnection process management for many renewable generation projects. Representative experience includes:

- Managing studies for offshore wind developers to assess transmission connectivity for various potential points of interconnection, development of main circuit configurations for offshore transmission connections, and assessment of feasibility for project and transmission connection alternatives.
- Related work on several projects includes assisting with collection system design and layout, conceptual designs of interconnection substations, assistance with modeling of inverters for the purposes of short circuit and load flow modeling, and overall support of the regulatory and siting process.
- Providing consulting and technical assistance in the development of energy storage projects, including projects combining renewable generation with storage.

Merchant Transmission Interconnection Development
Developed and managed interconnections and the interconnection study process for various planned merchant transmission projects, including:

- Parallel upgrades of the Blackwater, NM and Artesia, NM back-back HVDC ties between WECC, ERCOT, and SPP control areas
- Various controllable asynchronous interconnections from ERCOT to Mexico and Entergy areas.

Professional Organizations & Affiliations:

- Institute of Electrical and Electronics Engineers (IEEE) Power and Energy Society
- National Society of Professional Engineers (NSPE)
- WPI Tech Advisor's Network

Publications & Patents:

- J. J. Marczewski, *Utility Interconnection Issues [for AC mainline railroad electrification]*, IEEE Power Engineering Society Summer Meeting, 1999.
- H. Elahi, E. Larsen, J. Marczewski, K. Schreder, S. Venkataraman, *The Linden Variable Frequency Transformer Merchant Transmission Project*, 2008 CIGRE Technical Paper.
- J. J. Marczewski, *VFT Applications between Grid Control Areas*, IEEE Power Engineering Society General Meeting, 2007.
- J. J. Marczewski, P. E. Marken, E. R. Pratico, C. Wegner, *First Multi-Channel VFT Application – The Linden Project*, IEEE Power Engineering Society Transmission and Distribution Conference and Exposition, 2010.
- J. J. Marczewski, *VFT Interconnection Study Process with ISOs/RTOs and Grid Managers/Operators*, IEEE Power Engineering Society General Meeting, 2007.

Relevant Projects (Cont'd):

Consulting in Support of Regulatory Filings and Energy Matters

Lead technical contributor and strategic support related to various FERC and other regulatory proceedings and energy related matters:

- Challenge of solution-based DFAX calculations for cost allocation in the PJM 2013 and 2014 Regional Transmission Expansion Plan (RTEP) process
- Challenge of cost allocation settlements for pre-2013 PJM RTEP projects involving load ratio share, violation-based DFAX, and solution-based DFAX allocation methodologies
- Protest resulting in award of additional CRIS (Capacity Resource Interconnection Service) in NYISO for the Linden VFT merchant transmission project
- Served as a Strategic Advisor to the City of New York Office of Sustainability on power system resiliency, renewable energy deployment and carbon emissions reduction efforts, and electric transmission matters.
- Provided technical support and live testimony before the NY Public Service Commission in support of siting the Cricket Valley Energy Center in Dover, NY.

Large Generating Plant Interconnection Process Management

Managed and coordinated the interconnection study process for many large generating plants planned or built in various ISO/RTO areas. Examples include:

- Midlothian, TX Energy Project: 1,650 MW
- Hays, TX Energy Project: 1,050 MW
- Blackstone, MA Energy Project : 580 MW
- Bellingham, MA Energy Project: 580 MW
- Newark, NJ Energy Center, 700 MW
- Bayonne Energy Center, 500 MW initial and 120 MW uprate

Linden Cogeneration Plant – Superstorm Sandy Restoration

Managed restoration of 345 kV gas insulated switchgear and high pressure fluid-filled (HPFF) pipe-type cable transmission facilities, and engineered installation of temporary 4.16 kV auxiliary power facilities to allow restart of an 800 MW combined cycle generating plant following flooding from Superstorm Sandy in October, 2012.

Amtrak New Haven to Boston Electrification Project.

Technical lead and interconnection study process manager for Amtrak's New Haven, CT – Boston, MA mainline railroad electrification project to prepare for high-speed Acela Express service. Coordinated four 115 kV supply point interconnections with three host utility companies to provide power for the 2 x 25 kV AC traction power system. Assisted with specifying harmonic filter performance criteria and system-wide grounding and signal system interface issues.