

From: [Puco ContactOPSB](#)
To: [Puco Docketing](#)
Subject: public comment 16-1871-EL-BGN
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From: Ellman, Martin F [mailto:Ellmanmf@Middough.com]
Sent: Thursday, October 12, 2017 12:48 PM
To: Puco ContactOPSB <contactopsb@puco.ohio.gov>
Subject: Support for the Icebreaker Wind project_Middough Inc. - Marty Ellman

Ohio Power Siting Board
180 E. Broad St.
Columbus, OH 43215

RE: CASE# 16-1871- EL-BGN Icebreaker Windpower

It is a pleasure to be given the opportunity to support the LEEDCo Icebreaker project. My name is Marty Ellman and I represent both Middough Inc. whom I am employed by, and myself a life-long Northeast Ohio resident and Lake Erie boater/fisherman. I am a registered professional engineer in the State of Ohio, having obtained my Bachelor of Electrical Engineering degree from Cleveland State University in 1986, and have worked in Cuyahoga County, Ohio as an engineer for the past 30 years. I am a Certified Energy Manager, Distributed Generation Certified Professional, member of the Association of Energy Engineers, Alternative & Renewable Energy Development Institute, Cogeneration and Competitive Power Institute, and Cleveland Engineering Society. I have been graced over the past 30 years, having performed power system and energy projects for utilities, industrial, institutional, manufacturing, and process industries, which have further developed our Northeast Ohio infrastructure and manufacturing base. I am currently the Middough project manager assigned to oversee the design engineering of the LEEDCo on-shore substation interconnection, to connect project Icebreaker to the Cleveland Public Power Lake Road substation. I am honored to be involved in this capacity, and to be part of furthering Northeast Ohio into a Renewable Energy 21st Century.

Land based wind electric power generation has exponentially increased in our United States and the world, and has become a major percentage of our power generation portfolio. Off-shore wind generation at larger capacity factors and efficiency have become prominent overseas but have struggled in the US to materialize. With the US Department of Energy current off-shore wind strategy and initiative, looking at adding 86GW of off-shore wind by 2050, the Rhode Island Deepwater Wind project installation recently completed was the first US off-shore wind domino to fall, with many more to follow such as Icebreaker in 2019.

I would like to state both our project and permitting support, as well as highlight the potential impact on our business assisting off-shore wind generation developers in performing utility interconnections in Northeast Ohio as well as nationally. The Icebreaker project alone is already providing significant revenue to our business as we work with LEEDCo in developing the on-shore substation interconnection requirements. Upon completion of this design engineering effort,

subsequent local contractors and manufactures will benefit in the construction of the substation interconnection and associated supply and manufacturing of equipment. Providing for good paying local jobs in the 21st century energy economy. In addition, Middough has been honored to work closely with LEEDCo's program construction manager, Fred Olsen Renewables. A leader in the UK off-shore wind turbine project arena, Fred Olsen Renewables has come to the US to help us grow this industry and the associated off-shore technology transfer that will make the path forward in the US so much more successful. Middough is looking to be part of Fred Olsen Renewables national projects as they further develop, taking our wind turbine on-shore substation design engineering experience forward that we will endow as part of the Icebreaker demonstration project. In closing, it is worth stating that in addition to myself, and the Middough organization, the employees of Middough currently working on Icebreaker are ecstatic to be a part of it, look forward to the economic and jobs impact that it will have, and being a part of our growing national energy path forward. Generating clean reliable power locally and consumed locally by our industries, institutional facilities, businesses, and homes.

Thank you.

Martin F. Ellman, P.E. CEM, DGCP

Sr. Project Manager

Power/Energy Division



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Summary: Public Comment electronically filed by Docketing Staff on behalf of Docketing