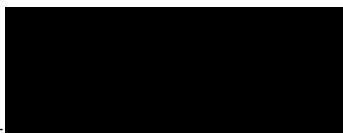


Committee on Energy and Commerce
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)(5)

1. Your Name: Edward N. Krapels		
2. Your Title: Chief Executive Officer		
3. The Entity(ies) You are Representing: Anbaric Development Partners		
4. Are you testifying on behalf of the Federal, or a State or local government entity?	Yes	No X
5. Please list any Federal grants or contracts, or contracts or payments originating with a foreign government, that you or the entity(ies) you represent have received on or after January 1, 2015. Only grants, contracts, or payments related to the subject matter of the hearing must be listed. None		
6. Please attach your curriculum vitae to your completed disclosure form. Attached		

Signature: _____



Date: May 8, 2018

Edward N. Krapels: Curriculum Vitae

Edward N. Krapels is a leader in the rising industry of non-utility electric transmission and distribution development. He is the CEO of Anbaric, a company behind \$5 billion in independent transmission and microgrid projects built to bring lower cost power into dense urban areas, including Manhattan. In 2017, Anbaric formed a joint venture with the Ontario Teachers' Pension Plan (OTPP), creating Anbaric Development Partners, to develop innovative electric transmission and microgrid projects in North America.

Mr. Krapels is a former financial advisor and risk management consultant. He has published several books and scores of articles in energy industry journals. He was a member of Department of Energy Secretary Steven Chu's Electricity Advisory Committee from 2010 to 2012.

In the transmission sphere, Mr. Krapels has been a founding partner in developing several iconic electric transmission projects, including the Neptune Regional Transmission System, the Hudson Project, and several major new projects designed to bring renewable power into urban markets (Anbaric.com). Mr. Krapels is also responsible for innovations in the promising Microgrid industry. In 2009, Mr. Krapels co-founded Viridity Energy, a company dedicated to optimizing demand-side management programs and developing the control software for Microgrids. Anbaric has initiated a microgrid project development company (AnbaricMicrogrid.com) and is actively pursuing the development of the first generation of independent microgrids.

In New England, Mr. Krapels and Anbaric are developing the Vermont Green Line and the Maine Green Line transmission projects, in a development and investment partnership with National Grid. In New York, Mr. Krapels and Anbaric are developing both electric transmission lines (the Poseidon Project) and large microgrids in a development and investment partnership with Exelon.

As a consultant and financial advisor, Mr. Krapels has provided valuation and due diligence services to many prominent investors in the energy arena. As a risk management advisor, Mr. Krapels has assisted major utilities, end users, and government agencies. He developed a series of Guides to energy hedging strategies for *Risk* which have been used by hundreds of companies around the world. He remains one of the authorities on the appropriate uses of hedging tools and on the distinctions between hedging and speculating in energy markets. Mr. Krapels has been a registered Commodity Trading Advisor (CTA).

Mr. Krapels has written several books, dozens of monographs, and scores of articles ranging from the international oil and gas to U.S. electricity markets. He serves on various boards, including the Board of the Alpha Project, the Visiting Committee of the Social Sciences Division of the University of Chicago, and the External Advisory Committee of the Channing Division of Network Medicine of Brigham & Women's Hospital and Harvard University Medical School.

He received his Ph.D. at the Johns Hopkins University, his M.A. at the University of Chicago, and his B.A., at the University of North Carolina, Chapel Hill. A native of the Netherlands, he is now a U.S. citizen and makes his home with his wife, Sarah Emerson, and their two sons in Andover, Massachusetts.

Books, major manuscripts

- ❖ 2013: “Transforming Metropolitan New York Into An Energy Hub For The 21st Century: Transmission Infrastructure And Microgrids To Increase Reliability, Spur Innovation, And Stimulate Regional Growth,” Regional Plan Association/Lincoln Institute for Land Policy, Energy Research Roundtable, June 12013. ([link](#))
- ❖ 2007: “Financial Energy Markets and the Bubble in Energy Prices: Does the Increase in Energy Trading by Index and Hedge Funds Affect Energy Prices?” Testimony and Prepared Statement before the Permanent Subcommittee on Investigations of the Committee on Homeland Security and Governmental Affairs and the Subcommittee on Energy of the Committee on Energy and Natural Resources, United States Senate, December 11, 2007, published by the U.S. Government Printing Office as *Speculation in the Crude Oil Market*.
- ❖ 2000: *Electricity Trading and Hedging*, (London, Risk Publications).
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- ❖ 1998: *Crude Oil Hedging: Benchmarking Price Protection Strategies*, with Michael Pratt, (London, Risk Publications).
- ❖ 1996: *Paper Oil: The State of the Markets and Uses of Their Instruments*. (Washington, D.C.: ESAI).
- ❖ 1995: *A Year on the (H)Edge* (Washington, D.C.: Hobijn-French Publishing Co.).
- ❖ 1990: *The Commanding Heights: Control over International Oil in the 1990s* (Japanese language version published by the Sanseido Press in 1990).
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- ❖ 1986: *Impact of Developing Countries on the World Oil Market*, Petroleum Intelligence Weekly Special Report.
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- ❖ 1980: *Oil Crisis Management: Strategic Stockpiling for International Security*, The Johns Hopkins University Press.
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Published articles

- ❖ "Forget Quebec, look offshore for power", *CommonWealth*, February 10, 2018 ([link](#))
- ❖ "How New York can solve its power problem," *Crains NY*, January 19, 2018 ([link](#))
- ❖ "Mass. needs to think bigger on offshore wind", *CommonWealth*, January 17, 2018 ([link](#))
- ❖ "Paying environmental tribute to neighboring states", *CommonWealth*, October 28, 2017 ([link](#))
- ❖ "Utilities should not get to play outsized role in new transmission projects", *Boston Globe: Opinion*, October 1, 2017 ([link](#))
- ❖ "21st Century Micro-Utility", *CommonWealth*, July 31, 2017 ([link](#))
- ❖ "3 takeaways on the offshore wind RFP", *CommonWealth*, July 24, 2017 ([link](#))
- ❖ "Paris withdrawal won't deter wind, solar" *CommonWealth*, June 11, 2017 ([link](#))
- ❖ "Make America (Electrically) Great Again: An Electric Infrastructure Plan For The Trump Team," *HuffingtonPost*, May 9, 2017 ([link](#))
- ❖ "Don't Forget About Transmission," *CommonWealth*, March 24, 2017 ([link](#))
- ❖ "The Trump Doctrine and Globalization," *Huffington Post*, February 15, 2017 ([link](#))
- ❖ "Electric Infrastructure Doesn't Need Tax Credits" *Huffington Post*, January 13, 2017 ([link](#))
- ❖ "Why Google's Greenwashing Hurts Society, And How To Fix The Problem," *Huffington Post*, December 13, 2016 ([link](#))
- ❖ "Climate Change Policy In The Trump Administration: A Tale Of Two Cities" *Huffington Post*, November 21, 2016 ([link](#))
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- ❖ "Op-Ed: Onshore Wind Power Has a Place On The 'Combo Platter'," *MASterList*, July 1, 2016 ([link](#))
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Education

Bachelor of Arts, International Affairs: University of North Carolina, Chapel Hill, 1970.

Master of Arts, International Affairs: University of Chicago, 1974.

Ph.D, International Affairs: Johns Hopkins University School of Advanced International Studies, 1991.