
EDUCATION

Duke University – Durham, NC

J.B. Duke Fellow and Ph.D. Student, Energy Systems – Nicholas School of the Environment Aug. 2023 - Present

Stanford University – Palo Alto, CA

B.A. in Public Policy (with Distinction) 2011

PROFESSIONAL & RESEARCH EXPERIENCE

Cypress Creek Renewables – Research Triangle Park, NC

VP of Development

March 2022 – April 2023

Sr. Director/Director of Market Development & Policy

Oct. 2017 – Feb. 2022

- Led utility-scale development division for US Southeast at one of the largest US renewable IPPs, managing 3GW portfolio and 9 FTEs, including all regional policy analysis and strategy.
- Analyzed utility IRPs, avoided cost methodologies, and interconnection standards; co-authored comments and reports filed in state PUC dockets in collaboration with leading US power sector consultants.
- Commissioned multiple electricity simulation studies, including energy/capacity/REC price forecasts, capacity expansion (GridSIM), production cost (EnCompass), power flow (TARA), and resource adequacy (SERVM).
- Served as expert witness in three state PUC dockets, including NCUC Carbon Plan proceeding, and advised multi-year policy initiative culminating in region's first net-zero power decarbonization standard (NC H.951).

S&P Global Platts – New York, NY

Director, North American Electricity Service

Feb. 2016 – May 2017

- Conducted market research on U.S. renewables and storage at one of the leading energy market intelligence firms, developing forecasts and providing advisory services to utilities, investors, and integrated majors.
- Developed Excel-based models, and interfaced with electricity simulation software, to forecast U.S. electricity markets. Gained proficiency with capacity expansion and production cost models.
- Published multiple reports on clean energy market, policy, and technology developments, including market outlooks (20-30 pages), issue briefs (2-3 pages), and PowerPoint presentation decks.

U.S. Department of Energy – Washington, DC

Special Advisor, Office of Technology Transitions

Dec. 2014 – Nov. 2015

Tech-to-Market Advisor, Office of Energy Efficiency & Renewable Energy

Jan. 2013 – Dec. 2014

Special Assistant to the Secretary of Energy

March – Dec. 2012

- Lead author of DOE's first Technology Transfer Execution Plan, a report to Congress defining DOE's commercialization strategy for approximately \$10 billion in annual RD&D programs.
- Conducted analysis on commercialization opportunities to inform grantmaking for DOE's technology commercialization fund and advised Assistant Secretary on tech-to-market program development.
- Served on core founding team of DOE's Office of Technology Transitions, created by Secretary Moniz to oversee an enterprise-wide strategy for increasing the economic impact of DOE's RD&D portfolio.

The Breakthrough Institute – Oakland, CA

Senior Analyst / Project Director

Jan. 2008 – Aug. 2009

- Researched energy policy in the U.S. and Asia, including energy RD&D programs, technology deployment programs, advanced manufacturing, and related topics.
- Co-authored multiple reports and white papers, including 130 pg. report assessing U.S. and Asian clean energy policies and industrial competitiveness, widely cited by publications including the *Wall Street Journal*.

SELECT PUBLICATIONS

- Norris, T. H. (2023). Beyond FERC Order 2023: Considerations on Deep Interconnection Reform. NI PB 23-04. Durham, NC: Nicholas Institute for Energy, Environment & Sustainability, Duke University.
- Gillis, J., and Norris, T. (2022). "Here is What Is Really Strangling the Energy Transition." *The New York Times*.
- Norris, T. (2017). "Global Technology Assessment 2017: Power Generation & Vehicle Transport." Scenario Planning Service. S&P Global Platts.
- Norris, T. (2016). "US Power Storage Market Outlook." North American Electricity Service. S&P Global Platts.
- Norris, T. (2016). "US Solar Market Outlook." North American Electricity Service. S&P Global Platts.
- Norris, T. (2016). "Electric Vehicle Outlook." Scenario Planning Service. S&P Global Platts.
- Sivaram, V., and Norris, T. (2016). "The Clean Energy Revolution: Fighting Climate Change With Innovation." *Foreign Affairs*. May/June issue.
- Atkinson, R., Nordhaus, T., Swezey, D., Norris, T., Jenkins, J., et al. (2011). "Rising Tigers, Sleeping Giant: Asian Nations Set to Dominate Clean Energy Race." *Issues in Science & Technology*. Vol. XXVI, No. 2.
- Norris, T., and Shenai, N. (2010). "Dynamic Balances: American Power in the Age of Innovation." *The SAIS Review of International Affairs*, 30(2): 149-164.
- Muro, M., and Norris, T. (2009). "To Make Clean Energy Cheaper, U.S. Needs Bold Research Push." *Yale Environment 360*. Yale School of the Environment.
- Nordhaus, T., Navin, J., Norris, T., et al. (2008). "Fast, Clean, and Cheap: Cutting Global Warming's Gordian Knot." *Harvard Law & Policy Review*, 2(2): 93-118.

SELECT TESTIMONY & INVITED PRESENTATIONS

- Norris, T. H. (2024). Comments for FERC Workshop on Innovations and Efficiencies in Generator Interconnection. Federal Energy Regulatory Commission Docket No. AD24-9-000. August 26, 2024.
- Norris, T. H. (2024). Can the ERCOT Connect and Manage Approach Lead to Faster and Cheaper Grid Interconnection Nationwide? Infocast Transmission & Interconnection Summit. June 2024.
- Norris, T. H. (2024). Innovating Grid Constraints: Modernizing Interconnection, Grid Technologies, and Models. 4th IEEE Workshop on Interconnections of Renewables & Energy Storage to Electric Grids. April 2024.
- Norris, T. H. (2024). The Boomerang Effect: How to Re-accelerate NC's Clean Energy Leadership. State Energy Conference of North Carolina. April 2024.
- Norris, T. H. (2024). Expediting renewable electricity interconnection with energy-only assessments. RTOGov Research Workshop. February 2024.
- Norris, T. H. (2023). Variable Renewable Electricity and Resource Adequacy Update. Ex Parte Briefing to The Public Service Commission of South Carolina. September 2023.
- Norris, T. (2022). Direct Testimony on Behalf of Clean Power Suppliers Association in the Matter of NC Carbon Plan and 2022 IRPs. NC Utilities Commission Docket E-100 Sub 179.
- Norris, T. (2019). Responsive Testimony on Behalf of NC Sustainable Energy Association in the Matter of Avoided Cost Rates for Electric Utility Purchases from QFs. NC Utilities Commission Docket E-100 Sub 158.
- Norris, T. (2019). Direct Testimony on Behalf of SC Solar Business Alliance in the Matter of Annual Review of Base Rates for Fuel Costs for SC Electric & Gas Company. PSCSC Docket 2019-2-E.

SELECT HONORS & AWARDS

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| James B. Duke Fellowship – Duke University | 2023 |
| • Awarded four-year PhD fellowship (<3% of PhD students) | |
| 2023 Power List – Business North Carolina | 2023 |
| • Named to BusinessNC's annual "Power List" as one of the state's top 20 leaders in energy | |
| Clean Energy Leader of the Year – NC Sustainable Energy Association | 2019 |
| • Awarded annual recognition by one of the Southeast's largest energy-related NGOs | |