



Joseph Nyangon
Senior Researcher
Center for Energy & Environmental Policy
University of Delaware
278 Graham Hall, 111 Academy Street
Newark, DE 19716 USA
E-mail: jnyangon@udel.edu



Dr. Joseph Nyangon is a Senior Researcher at the Biden School of Public Policy & Administration's Center for Energy and Environmental Policy (CEEP), University of Delaware. He conducts interdisciplinary research on energy and environmental policy, with particular focus on carbon and energy economics; electricity markets, regulation and market design; climate risk and response; decarbonization and energy transition strategies; empirical methods; applied econometrics; technological change; and change management. He has published widely and led the U.S. National Science Foundation (NSF)– and Delaware General Assembly–funded research efforts on overarching trends shaping electric power sectors, including the rapid proliferation of distributed energy resources like solar and wind energy, electricity market transformations, and proactive regulatory reforms to support net-zero emissions energy innovations. Dr. Nyangon is also Senior Research Fellow at the Foundation for Renewable Energy and Environment (FREE), a Non-Resident Fellow at the Payne Institute at the Colorado School of Mines, and a Research Fellow at the Johns Hopkins University School of Advanced International Studies' (SAIS) Initiative for Sustainable Energy Policy (ISEP).

He has worked at the leading edge of electricity market design and regulatory innovation for a distributed grid future, assessing alternative utility regulation and pioneering grid modernization models like New York's Reforming the Energy Vision process; Great Britain's RIIO (Revenue = Incentives + Innovation + Outputs), the Office of Gas and Electricity Markets' framework for setting price controls for utility network companies operating in the electricity and downstream natural gas markets; Illinois's NextGrid, California's Energy Savings and Performance Incentive, Germany's Energiewende, and Australia's Electricity Network Transformation Roadmap. His doctoral dissertation research evaluated resource adequacy and capacity market design models that blend renewable energy and natural gas resources in wholesale electricity markets as well as assessing competitive business model innovation and regulatory policy to incentivize distributed energy generation. He has published articles, books, book chapters, technical reports, and monographs on energy, economics and environmental policy, including in WIREs Energy and Environment; the Energy Journal, Financial Analysts Journal (FAJ); South Korea's Green Monitor: Technology Policy Review; Energy Sources, Part B: Economics, Planning, and Policy; Journal of Sustainable Development Law and Policy; IGI Global, SSRN, among others.

Previously, he was a consultant at the United Nations in New York and has been a TED fellow. Prior to that post, he was an observer for the Canadian-based International Institute for Sustainable Development at the Intergovernmental Panel on Climate Change (IPCC) negotiations. Dr. Nyangon holds a doctorate (PhD) in energy and environmental policy from the University of Delaware focusing on energy economics; a master of public administration (M.P.A) from Columbia University; another master of science (M.Sc.) from the University of Greenwich (U.K.); and a bachelor of engineering (BSc. Eng.) from the University of Nairobi.