

WI PSC/DOE ENERGY STORAGE WEBINAR SERIES:

Policy Issues & Equity

July 14, 2021 10:00 AM - 12:30 PM (CT)

Agenda & Speaker Biographies

Presented by Public Service Commission of Wisconsin,
U.S. DOE Office of Electricity Energy Storage Program,
and Sandia National Laboratories

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Meeting will be open ½ hour early so you can test your connections

Energy storage is the key to unleashing the power of renewables, relieving generation, transmission, and distribution demands, and hastening the energy transition to a decarbonized future. Public Service Commission of Wisconsin Commissioners and Staff are invited to participate in a series of energy storage webinars presented in collaboration with US DOE Office of Electricity Energy Storage Program and Sandia National Laboratories. Experts from the national labs, regional agencies and other organizations and institutions will provide content, with time for discussion and questions.

July 14, 2021 – Policy Issues & Equity

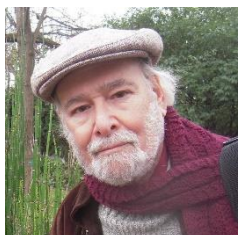
10:00 - 10:10	Introductory Comments Dr. Imre Gyuk, Director, DOE Office of Electricity Energy Storage (ES) Program
10:10 - 10:40	Interconnection Policy Charlie Vartanian, Pacific Northwest National Laboratory (PNNL)
10:40 - 11:10	Avoiding Stranded Assets & Lease vs. Ownership Will McNamara, Sandia National Laboratories (SNL)
11:10 - 11:20	Q&A
11:20 - 11:50	Energy Equity & Energy Storage Dr. Bethel Tarekegne, Pacific Northwest National Laboratory (PNNL)
11:50 - 12:20	Energy Equity Crystal Pruitt, Office of Clean Energy Equity, New Jersey Board of Public Utilities
12:20 - 12:30	Q&A



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Speaker Biographies



After taking a B.S. from Fordham University, Dr. Imre Gyuk did graduate work at Brown University on Superconductivity. Having received a Ph.D. in Theoretical Particle Physics from Purdue University he became a Research Associate at Syracuse. As an Assistant Professor he taught Physics, Civil Engineering, and Environmental Architecture at the University of Wisconsin. Dr. Gyuk became an Associate Professor in the Department of Physics at Kuwait University where he became interested in issues of sustainability. Dr. Gyuk joined the Department of Energy to manage the Thermal and Physical Storage program. For the past two decades he has directed the Electrical Energy Storage research program in the Office of Electricity, developing a wide portfolio of storage technologies for a broad spectrum of applications. He supervised the \$185M ARRA stimulus funding for Grid Scale Energy Storage Demonstrations and is now partnering with the States on numerous storage projects for grid resilience. His work has led to 12 R&D 100 awards, two EPA Green Chemistry Challenge Awards, and Lifetime Achievement Awards from ESA and NAATBatt. He is internationally recognized as a leader in the energy storage field.



Charlie Vartanian is a Technical Advisor at the Pacific Northwest National Laboratory where he focuses on integration of energy storage with power systems. Charlie has 25 years of industry experience deploying advanced grid technologies, performing system studies, and contributing to standards development. Prior employers include Mitsubishi Electric, the California Energy Commission, and Southern California Edison. During his 15 years at SCE, his activities ranged from T&D planning through grid R&D.



Will McNamara serves as Grid Energy Storage Policy Analyst for Sandia National Laboratories with a focus on energy storage policy development at the federal and state levels. Will has spent his entire 23-year career in the energy and utilities industry with a concentration on regulatory and legislative policy. He has served as a lobbyist in California and has represented major utilities across the U.S. in numerous jurisdictions in proceedings pertaining to integrated resource planning, procurement, cost recovery, rate design, and the development of policymaking best practices. Will's areas of subject matter expertise, in addition to energy storage policy, include distributed energy resources, AMI/smart grid, renewables, and competitive retail markets.



Dr. Bethel Tarekegne joined PNNL in 2021 and she is part of the Renewables team in the Distributed Systems group. Her work focuses on understanding the social equity implications of renewable energy technologies. She is currently exploring the equity/justice implications of energy storage for the DOE -OE's Energy Storage Program to imagine the ways energy storage can benefit people in underserved communities. Bethel's work in this space set the framework for applying energy justice principles to storage technologies. She is now investigating how storage can provide local non-energy benefits by developing fundamental data and metrics to



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measure these benefits. Bethel received her doctorate in Energy & Environmental Policy from Michigan Technological University.



Ms. Pruitt joins NJBPU after serving as Chief of Staff for New Jersey State Assemblyman Andrew Zwicker, where she focused on energy issues. A graduate of North Carolina State University and John Jay College of Criminal Justice, Ms. Pruitt transitioned to government work in 2017 as Director of Constituent Relations and Community Outreach for Assemblyman Zwicker. She moved into the Murphy Administration to work as Legislative Liaison for the New Jersey Department of Human Services before returning to the Legislative Branch as Chief of Staff to

Assemblyman Zwicker.

Ms. Pruitt's strong commitment to social justice, behavioral health, and criminal justice inform both her personal and professional pursuits. She works with organizations to help women secure access to reproductive health services, serves on the New Jersey Office of the Attorney General's CLEAR (Community-Law Enforcement Affirmative Relations) Institute workgroup, and the Workgroup on Harassment, Sexual Assault and Misogyny in NJ Politics.



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