2020-21 NM ENERGY STORAGE WORKSHOP SERIES:

BATTERY STORAGE AND ELECTRIFICATION OF NM TRANSPORTATION
JANUARY 5, 2020 AGENDA / SPEAKER BIOS / WEBINAR LINK

**Presented by DOE Office of Electricity Energy Storage Program,
in collaboration with the New Mexico Public Regulation Commission and Sandia National Laboratories**

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The Energy Transition Act of NM (NM ETA) requires the state's retail electricity sales to be carbon free by 2050. The New Mexico Public Regulation Commission (NM PRC) began meeting that objective recently when it unanimously approved a plan to replace the coal-fired San Juan Generating Station near Farmington, N.M., with 650 MW of photovoltaics (PV) and 300 MW of energy storage by 2022. These brief webinars will explore the energy storage and other technologies, and policies associated with them, necessary to achieve the NM ETA objectives, and to help inform regulators and policy makers, utilities, industry, and the public on the pathways to meeting them.

January 5, 2021 - Battery Storage and Electrification of NM Transportation

10:00 – 10:10	**Introduction to Energy Storage and Electrification** Dr. Imre Gyuk, Director, DOE Office of Electricity Energy Storage Program
10:10 – 10:35	**Localizing Transportation Electrification EV Charger Impacts – Key to Understanding EV Integration** Rick Fioravanti, Director, Transportation Electrification, Quanta Technology
10:35 – 10:45	**Q&A and Discussion**
10:45 – 11:10	**EV Adoption Rates in 2021** Kevin Tynan, Global Director of Automotive Research, Bloomberg Intelligence
11:10 – 11:20	**Q&A and Discussion**
11:20 – 11:45	**Policy Issues Associated with Electrification in New Mexico** Will McNamara, Energy Storage Policy Analyst, Sandia National Laboratories
11:45 – Noon	**Q&A/Discussion**

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 Award, and Lifetime Achievement Awards from ESA and NAATBatt. He is internationally recognized as a leader in the energy storage field.

Rick Fioravanti brings over 25 years of experience working with emerging energy technologies in both commercial and consulting roles. He has worked with major manufacturers, utilities, state/federal agencies, and developers to understand and deploy advanced energy systems. He currently focuses his efforts on electric transportation, EV infrastructure, electricity storage, and distributed energy resources – evaluating electricity grid impacts and linking the technologies to grid modernization, utility of the future initiatives. In his roles, he helped develop and deploy utility-scale and residential storage systems, advanced microturbines, fuel cells, and CHP systems. He has authored several papers on advanced storage technologies and has been cited frequently as a leader in his field. Mr. Fioravanti also was a founding Board Member of New York BEST (Battery and Energy Storage Technology Consortium) and served on their Board for five years. He received his M.B.A and a B.S. in Electrical Engineering from the University of Southern California.

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JANUARY 5, 2021 - SPEAKERS, CONTINUED

Kevin Tynan is the Global Director of Automotive Research for Bloomberg Intelligence since 2009. With more than 20 years of investment research experience, Mr. Tynan began his career as an equity analyst at Argus Research, covering the global automotive, auto parts and auto retailers industries. As a senior analyst, the "Financial Times/StarMine" ranked Mr. Tynan the top stock picker for the automobile parts segment in 2007. He was the No. 2 ranked automobile manufacturing sector stock picker according to "Forbes/StarMine" in 2004 and again in 2005. Mr. Tynan graduated from Saint Anselm College with a BS in business economics and is a member of the college's Athletic Hall of Fame. He received an MBA in finance from St. John's University.

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.