



THE WSU-PNNL ADVANCED GRID INSTITUTE

PNNL/WSU Advanced Grid Institute (AGI) – Strategic Directions, Plans and Activities for Advancing the PNW and Beyond

~ by ~

JEFF DAGLE, Pacific Northwest National Lab (PNNL) &
NOEL SCHULZ, Washington State University (WSU)

Tuesday, September 28 • 11:00 AM – Noon (PT) • **TEAMS ONLY**

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OVERVIEW

In 2021 the [PNNL/WSU Advanced Grid Institute \(AGI\)](#) developed an updated strategic plan that lays out a vision for the Institute looking towards 2030. The Institute's co-directors conducted surveys and convened affiliated faculty and researchers, WSU and PNNL leadership, and industry representatives in multiple working sessions to discuss the challenges facing the electric power system and how AGI can focus its research efforts and activities to address them most effectively. A revised [strategic plan](#) was published in June 2021. This seminar will highlight key elements of the new strategic plan and how colleagues from PNNL, WSU and its partners can contribute to the AGI mission of promoting the research and evolution of advanced grid modeling to support planning and operations of complex power systems of the future and its workforce.

BIOS

Jeff Dagle has worked at Pacific Northwest National, operated by Battelle of the US Department of Energy, since 1989. In 2018, he was named co-director of the Advanced Grid Institute, a joint institute with WSU. He has led numerous projects in the areas of transmission reliability and security. Other career accomplishments include leading the data requests and management tasks for the US-Canada Power System Outage Task Force investigation of the August 2003 blackout. Mr. Dagle has served on National Academies of Science and Engineering committees in 2014, 2016, and 2019 that produced key reports related to the electric power grid. He is a Senior Member of IEEE and National Society of Professional Engineers (NSPE). He received BS and MS degrees in EE from WSU in 1989 and 1994, respectively, and is a registered professional engineer in the State of Washington.



Noel N. Schulz is the Edmund O. Schweitzer III Chair in Power Apparatus and Systems with the School of Electrical Engineering and Computer Science, Washington State University (WSU), Pullman, WA, USA. She has been a Chief Scientist at the Pacific Northwest National Laboratory (PNNL) since February 2020, serving in joint appointment as part of the PNNL/WSU Advanced Grid Institute (AGI). In August 2021, she became Co-Director of AGI. She received BSEE and MSEE degrees from Virginia Tech, Blacksburg, VA, and PhD in EE from the University of Minnesota, Minneapolis, MN, USA. Dr. Schulz has been active for over 26 years in teaching, research and service at six US universities. Her research interests include

computer applications in power system planning and operations including AI techniques, renewable energy, storage and microgrids. She has been active in IEEE Power and Energy Society (PES) and served as IEEE PES and IEEE PES President in 2012 and 2013. She is an IEEE and ASEE Fellow. In 2001, she was elected to the Washington State Academy of Science.