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Charlie Vartanian is a Sr. Technical Advisor at the Pacific Northwest National Laboratory where he focuses on the integration of energy storage with power systems. Charlie has over 25 years of power industry experience deploying advanced grid technologies, performing electric system studies, and contributing to technical standards development. He has worked previously for Mitsubishi Electric, DNV KEMA, A123 Systems, Enron, the California Energy Commission, Southern California Edison, and the U.S. Navy. During his 15 years at Southern California Edison, Charlie's activities spanned traditional T&D planning through grid R&D. He is currently Secretary of the IEEE 1547.9 Energy Storage Interconnection working group, and Co-Chair of the IEEE Energy Storage Collaboration Team. Charlie received his BSEE from Cal Poly Pomona, and his MSEE from USC. Charlie is a licensed professional Electrical Engineer.