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Doug Houseman is a principal consultant for power at 1898 & Co., part of Burns & McDonnell. Doug started on his career path with the U.S. Navy. With extensive engineering and consulting experience in the energy and utility industries, he has overseen advanced metering infrastructure, distribution and substation automation, enterprise asset management, distributed energy resources, and distribution management infrastructure projects in more than 70 countries. Doug is a leader in grid modernization thinking, including having been asked to author significant portions of the IEEE's GridVision 2050 and DOE's QER and to revise CEATI's Distribution Utility Technology Roadmap. He is a NIST fellow and member of the GridWise Architecture Council (GWAC) where he had a hand in both the Smart Grid Interoperability Maturity Model and Transactive Energy. He has led the IEEE Power and Energy Society's Intelligent Grid Coordinating Committee and Emerging Technology Committee for the several years. He regularly teaches for IEEE PES and EUCI.