



Juan J. Torres

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Mr. Juan Torres is the Associate Laboratory Director for Energy Systems Integration at the National Renewable Energy Laboratory. In this role, he oversees continuing efforts at the laboratory's Energy Systems Integration Facility (ESIF) to modernize and strengthen the security, resilience and sustainability of the nation's electrical grid. Mr. Torres is Co-Chair for the Department of Energy's Grid Modernization Laboratory Consortium (GMLC), a partnership of 14 national laboratories to advance modernization of the U.S. power grid. In 2018, Mr. Torres provided testimony to the U.S. Senate Energy and Natural Resources Committee on the topic of blackstart, the process of returning energy to the power grid after a system-wide blackout.

Prior to joining NREL in June 2017, Torres served in a variety of technical and management positions throughout his 27-year career at Sandia National Laboratories, most recently as deputy to Sandia's vice president for Energy and Climate programs. At Sandia, Mr. Torres led research efforts and vulnerability assessments in cybersecurity, guided research in advanced microgrid and renewable energy, and led the security and resilience team under the DOE's GMLC efforts. In 2004, Mr. Torres co-led the establishment of the DOE National SCADA Test Bed to secure power grid control systems from cyber attack. In 1998, Mr. Torres served as a member of the DOE task force that developed a national plan to secure the U.S. energy infrastructure in response to PDD-63 Critical Infrastructure Protection. From 1993-1995, Mr. Torres served as Sandia's engineering liaison to the Air Force Materiel Command at Peterson Air Force Base, CO, for development and deployment of mobile command and control systems in support of US Space Command and NORAD missions.

Mr. Torres holds a bachelor's degree in electronics engineering technology from the University of Southern Colorado, a master's degree in electrical engineering from the University of New Mexico, and has completed additional graduate work in Management Science and Engineering at Stanford University.