

Announcement

Industry Experts Author Paper on Climate Change Impacts to the Grid

April 8, 2022

ATLANTA – Mark Lauby, NERC senior vice president and chief engineer, co-authored and reviewed a report on the grid and climate change as part of IEEE’s, [Power & Energy Society \(PES\)](#) Industry Technical Support Leadership Committee (ITSLC). The report [“Importance of T&D Grid Modernization to Mitigate Impacts from and Adapt to Climate Change,”](#) discusses the significance of a modern, resilient grid as the foundation for a clean energy future. Global energy experts provided input into the report, which identifies practical solutions to enable stakeholders meet the emerging challenges associated with climate change.

“Climate change impacts in the form of widespread, long-duration extreme weather events have affected the performance of the bulk power system and created increasing operational challenges over the past few years,” said Lauby, who is also an IEEE Fellow. “This report is great example of how NERC works with the reliability ecosystem, in the form of industry experts, leveraging their shared knowledge and expertise to provide practical solutions to mitigate grid vulnerability.”

The changing resource mix, decarbonization of the grid, and increasingly extreme and unpredictable weather place an even greater emphasis on the need for a resilient and reliable bulk power system.

“This unique document shows how a resilient, modern electric grid is fundamental for our clean energy future, requiring renewables, energy storage, energy efficiency, and electrification,” said Damir Novosel, immediate past chair of the IEEE PES ITSCLC, IEEE PES Past President and Quanta Technology President.

NERC’s contribution to the IEEE report is just one element of the multi-pronged approach NERC takes in its daily mission to assure the reliability, resilience and security of the North American bulk power system.

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