



Smart Grid Subcommittee Report

For July 10th EAC meeting

Recent History – Smart Grid

Recent work products

- EAC Recommendations on Expanding & Modernizing the Electric Power Delivery System for the 21st Century - September 2014
- EAC Recommendations Regarding Emerging and Alternative Regulatory Models and Modeling Tools to Assist in Analysis – September 2014
- EAC Recommendations on Expanding and Modernizing the Electric Power Delivery System for the 21st Century, September 2014
- Recommendations on Smart Grid Research and Delivery Needs – March 2015
- EAC Recommendations on Grid Modernization: ARRA Accomplishments and Recommendations for moving forward – September 2015

Recent History – Smart Grid

Recent work products

- EAC Recommendations on Grid Modernization: ARRA Accomplishments and Recommendations for moving forward – September 2015
- EAC Recommendations, Distributed Energy Resource Valuation & Integration, June 2017
- EAC Recommendations on New Technologies Require a Modern Grid: Report on the U.S. Department of Energy Grid Modernization Initiative, - June 2017
- Panel – Frequency and Grid Resilience

Recent History – Power Delivery

Recent work products

- EAC Recommendations on the Value of a Var – Perspectives on Electric Grid Voltage Support – March 2016
- EAC Recommendations: The Transmission-Distribution Interface – June 2018
- EAC Recommendations: EAC Regulatory Reform – June 2018
- Panel – Development of a North American Grid Resilience Model – July 2018

DOE Direction

- 5 Priorities
 - Puerto Rico and US Virgin Islands Restoration and Resiliency Efforts
 - North America Energy Systems Resiliency Model
 - Mega-Watt Scale Grid Storage
 - Revolutionize Sensing Technology Utilization
 - Operational Strategy for Cyber and Physical Threats
- Strive to understand what DOE is doing.
 - Review Michael Pesin's R&D Portfolio
 - 2nd phase Grid Modernization Consortium