

Bruce J. Walker, JD

SUMMARY AND BACKGROUND

Mr. Walker was appointed by President Trump and confirmed by the US Senate as an Assistant Secretary for the United States Department of Energy in 2017. He leads the Office of Electricity and was the Acting Assistant Secretary for the Office of Cybersecurity, Energy Security and Emergency Response organization. The Office of Electricity provides leadership in ensuring national security is focused on defense critical energy infrastructure throughout the United States. As part of that mission, the Office of Electricity is responsible for the four Power Marketing Administration utilities which deliver electricity from 133 federally owned hydro-electric dams through their transmission system throughout 34 states. Mr. Walker is also the United States Department of Energy - Chief Environmental Review and Permitting Officer and is responsible for any action taken under the Fixing America's Surface Transportation Act. In addition, he led the Emergency Support Function for the Department of Energy's response in support of FEMA during hurricane Maria and remains the point of contact for providing technical support to Puerto Rico.

Prior to working for the Department of Energy, Mr. Walker entered into public service as the Deputy County Executive for Putnam County, New York; a northern suburb of New York City where he was raised. For nearly six years, he was responsible for managing more than 20 diverse departments and 650 employees to ensure the health and safety of the constituents in Putnam County, New York. He successfully led the county's response to Superstorm Sandy and provided leadership for federal agencies responding to the event in the Northeast US.

Mr. Walker is also the founder of Modern Energy Insights, Inc. (MEI), a boutique consulting firm which specializes in evaluating and identifying risk and developing mitigation and elimination strategies for critical infrastructure owned and operated by major Investor Owned Utilities (IOUs) throughout the United States (US) and Canada. In addition, MEI worked extensively providing subject matter expertise (SME) in various aspects of utility operations – including; all regulatory aspects associated with General Rate Case filings and complex operational and risk issues. He was a member of the Board of Directors for the Hudson Valley FBI Infragard partnership where he was the Acting Energy Sector Chief for the Hudson Valley region - focusing on the protection of critical infrastructure.

Prior to founding MEI in 2011, Mr. Walker was an integral part of two IOUs in the Northeast US. He has held leadership positions in System Operations, Emergency Management, Asset Management and Regulatory Services. Mr. Walker was the Vice President of Asset Strategy and Policy for National Grid - US. In that capacity, he was responsible for the development of asset strategies and regulatory policies for a \$5 billion five-year investment plan in New York, Massachusetts, Rhode Island and New Hampshire. These strategies focused on mitigating and eliminating the risks associated with operating the critical infrastructure necessary to provide safe and reliable electric service to more than 3 million customers. To execute these strategies he was the lead corporate officer responsible to negotiate with respective state utility commissions and the Federal Energy Regulatory Commission. In 2010, he testified on behalf of United States IOUs at the Congress mandated hearings conducted by the Federal Communication Commission regarding Smart Grid development.

Prior to that position, he was the Director for Corporate Emergency Management at Consolidated Edison of New York (Con Edison). His responsibilities included all emergency plans, operations and responses for the electric, gas and steam systems in New York City (NYC) while coordinating with the NYC Office of Emergency Management. Additionally, he was solely responsible for leading the development of the Con Edison Coastal Storm Plan that was successfully utilized during Hurricane Sandy in 2011. He was

an integral member of the Biological Chemical Weapons Response Team formed by Con Edison in partnership with NYC following the 1993 World Trade Center bombing. In this position he was the SME designated to operate and control any portion of the Con Edison electric grid during times of crisis.

He has served as a member of the Board of Directors for GridWise Alliance, Inc., and in 2008, he was appointed by then-Secretary of Energy, Samuel Bodman to the Department of Energy's Electricity Advisory Committee, representing IOUs throughout the US. He was also an advisor for the development of the mega-watt scale integration lab developed by the Department of Energy in Golden, Colorado. He is the co-founder of the Global Smart Grid Federation (GSGF), a formal collaboration among 18 countries to modernize the world's electric energy system. The formation of GSGF was announced in 2010 at the inaugural Clean Energy Ministerial hosted by US Secretary of Energy, Steven Chu.

He holds a Bachelor of Electrical Engineering from Manhattan College and a Juris Doctor in Law from Pace University where he was the technical editor on the Environmental Law Review and received an Environmental Law Certificate. He has completed the Distribution Systems program from Siemens – Power Technologies International. He is a distinguished graduate of the United States Air Force Academy Preparatory School and received an Honorable Discharge from the United States Military Academy.

HIGHLIGHTS OF RELEVANT EXPERIENCE

- Initiated the development of the North American Energy Resilience Model coordinating the efforts of seven of the US Department of Energy's National Labs.
- Testified various times at the US Senate and House of Representatives
- Established the Critical Electric Infrastructure Information procedure for securing documents obtained by the US Department of Energy.
- Responsible for the interim operation and recovery of the most significant network outage in NYC history and acted as the Con Edison liaison for the resulting Public Service Commission Audit Investigation of Con Edison's Emergency Response Program.
- Provided support for various Public Service investigations regarding storm preparedness, recovery and operation opportunities for various utilities throughout the US.
- Evaluated and led various emergency management response investigations to major events throughout the US – developing operational improvements and leading regulatory interaction.
- Managed regulatory audit and interrogatory responses to a significant underground network shutdown in a Washington, D.C. and developed recommendations to mitigate future events.
- Lead for Con Edison of New York and Orange and Rockland Utilities merger – responsible for working with NYS-Public Service Commission, NJ Board of Public Utilities and Pennsylvania Public Utilities Commission to re-structure rates and execute the de-regulation of utility generation necessary to execute the merger.
- Coordinated with appropriate federal and state regulators to consolidate the bulk power and distribution gas and electric control centers at Orange and Rockland Utilities with operational responsibility to operate the same for nearly four years.
- Served as Attorney and Electric SME for Con Edison's 2004 electric rate case seeking transmission, substation and distribution infrastructure investments in excess of \$1 billion.
- Served as regulatory counsel for Con Edison and Orange and Rockland Utilities regarding State and Federal matters involving Gas, Electric and Steam.
- Developed, implemented and secured regulatory approval from the NYS Public Service Commission for the Corporate Emergency Management Strategy, Master Plan and organizational structure including Gas, Electric and Steam Operations for Con Edison.
- Witness for Con Edison's general rate case filing for Emergency Management – 2007; 2008.
- Developed and executed National Grid's regulatory strategy producing return on equity gains thereby securing \$1.5 billion of previously unremunerated investments in New York, Massachusetts, Rhode Island and New Hampshire.