Minutes of the Commission Meeting
PowerForward: Exploring Technologies, Day 2
July 26, 2017 – 9:00 a.m. – 4:30 p.m.

Present:

Asim Z. Haque, Chairman
M. Beth Trombold, Commissioner
Thomas W. Johnson, Commissioner
Lawrence K. Friedeman, Commissioner
Daniel R. Conway, Commissioner
Howard Petricoff, Chief Analyst
Krystina Schaefer, Grid Modernization & Security Section, Rates and Analysis Department
Angela Hawkins, Director, Legal Department
Greg Price, Electric Section Chief, Legal Department
Timothy Benedict, Office of the Federal Energy Advocate, Rates and Analysis Department
Jacob Nicodemus, Reliability and Service Analysis Division, Service Monitoring and Enforcement Department

The Commission met for the purpose of the second phase of PowerForward.

The meeting began at 9:00 a.m. in Hearing Room 11-B at the offices of the Commission.

1. **Enabling Technologies for the Evolving Grid: Presentation**
   *Paul Alvarez, President, Wired Group*
   Mr. Alvarez presented on maximizing the economic benefits of smart grid technology for customers.

2. **Data Management and Utilization Panel**
   *Ed Beroset, Principal Technical Leader, EPRI*
   Mr. Beroset gave a presentation about how to best use customer energy usage data for consumers and the utilities.

   *Katrina Polk, Senior Product Line Manager, Itron*
   Ms. Polk presented on distributed intelligence and how to extract value from data.

   *Larry Dickerman, Senior Director Public Policy, Landis+Gyr*
   Mr. Dickerman gave a presentation about the benefits and capabilities of advanced metering infrastructure.
3. Distribution Automation, Volt-VAR Control & Optimization Panel
   Joydeep Mitra, Professor, Electric Power & Energy Systems, Michigan State University
   Mr. Mitra gave an introductory presentation on distribution automation.

   Burt Mayer, Head of Marketing and IoT Strategy, Utilidata
   Mr. Mayer presented on Volt-VAR Optimization and Conservation Voltage Reduction.

   Wassim Akhdar, Marketing & Solutions, Varentec
   Mr. Akhdar gave a presentation about the next generation of Volt-Var Control.

   Todd Ryan, Director, Regulatory Affairs, Smart Wires
   Mr. Ryan presented on advanced technology in response to changes in the energy landscape.

The meeting took a break at 12:30 p.m. and resumed at 1:45 p.m.

4. Utility Perspectives: AEP Ohio and DP&L
   Scott Osterholt, Director, Grid Modernization and Risk Management, AEP Ohio
   Mr. Osterholt presented AEP Ohio’s perspective on grid modernization.

   Joe Bentley, Vice President, Rates & Regulatory Affairs, The AES Corporation
   Mr. Bentley presented on innovation’s benefits to DP&L customers.

5. Utility Perspectives: Duke Energy Ohio and FirstEnergy
   Lee Mazzocchi, Senior Vice President, Grid Solutions, Duke Energy
   Mr. Mazzocchi presented Duke Energy’s approach to grid investments.

   Eileen Mikkelson, Vice President, Rates & Regulatory Affairs, FirstEnergy Corp.
   Ms. Mikkelson presented FirstEnergy’s smart grid modernization objectives.

The meeting adjourned at approximately 4:30 p.m.

[Signatures]

Chair

Secretary