West Virginia’s Governor’s Energy Summit

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Energy Innovation Panel
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The Utility of the Future

- The utility industry is changing
- Generation is transitioning to a diversified, more distributed future
- The transmission system is transitioning to a modern resilient system expanded to accommodate geographic changes in generation supply
- The distribution system is transitioning to a modern resilient system expanded to accommodate the way customers use, and in some areas, generate electricity

Utilities navigate through this transformation while ensuring safety, efficiency, reliability and affordability for all customers.
The Utility of the Future

**Electric Vehicles**
- Policy must promote utility engagement from the beginning
- Utilities must have the ability to own charging stations

**Energy Storage**
- Policies must enable full participation by utilities in the ownership and/or operation as determined by the utility and to support its business model
- Energy storage as a transmission and distribution asset

**Smart Grid**
- Customer expectations are changing and they want more in terms of clear, two-way communication on outages, rate changes, billing issues and improving the overall customer experience.

**Distribution Platform Enhancements**
- Aimed at reducing the frequency and duration of power outages and supports future integration of new, smart technologies as well as customer-driven applications such as plug-in electric vehicles and distributed energy resources

**Broadband**
- Support expansion of broadband service to unserved or underserved areas
The Utility of the Future

■ **WV Natural Resources**
  - Effectively utilize our abundant variety of natural resources to the benefit of our state
  - Paths to additional renewable deployment and preservation of critical baseload generation resources do not have to be mutually exclusive
  - Mon Power continues to invest in infrastructure to support the power needs of the Shale Gas industry in WV
    - In 2018 approximately $10M will be invested in infrastructure upgrades and new construction
    - In 2019 investment projections are in the same range
New Technologies Empowering Customers
Create New Challenges and Opportunities
Moving Toward the Future

- Safety and reliability of the distribution system must be kept at the forefront
- Grid modernization and energy innovation requires a solid distribution infrastructure which to layer on smart grid technologies
- Distribution platform enhancements are necessary first steps towards a modern, resilient grid
- Must balance investment vs. customer bill impact
- Encourage a collaborative approach to distribution investment, consistent with State and PSC policies

Strategic deployment of a smart grid for our utilities will benefit customers by meeting their evolving energy needs and ensuring they benefit from a safe, flexible, resilient and reliable grid in the years ahead.
What does the future look like?
Thank You