

PowerForward: Ohio's Grid Modernization Initiative

October 12, 2017

Asim Z. Haque, Chairman

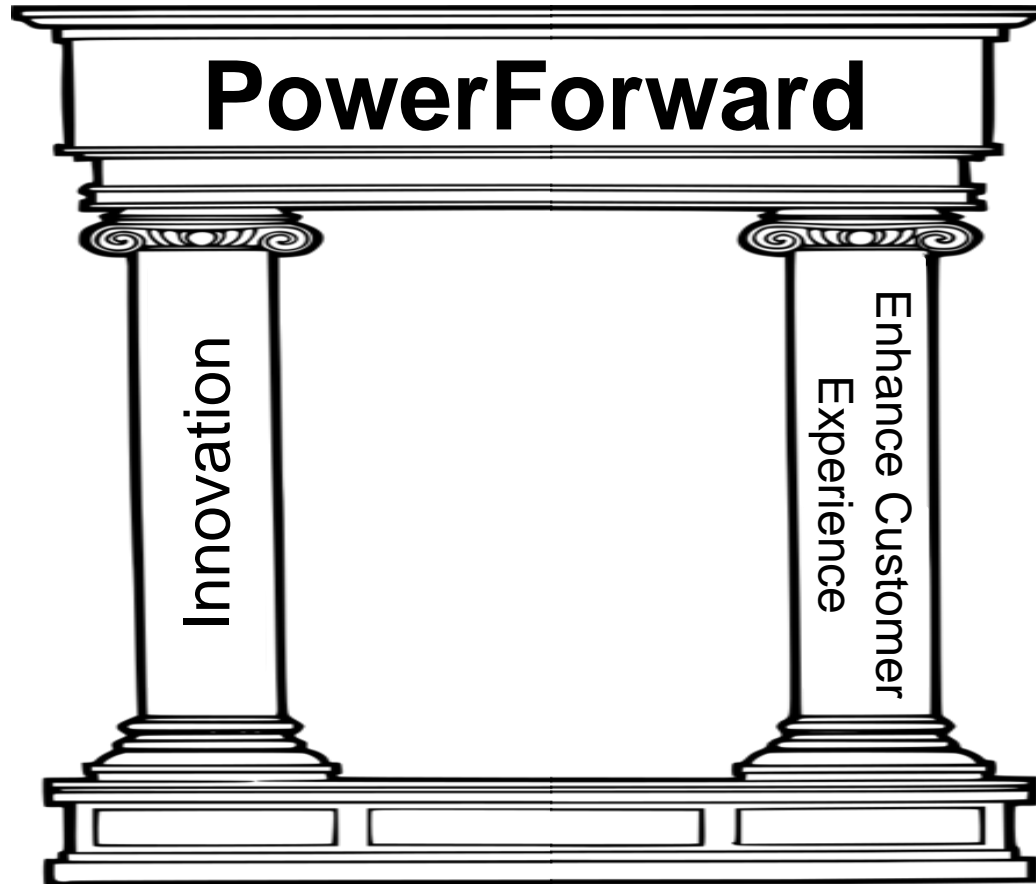
Public Utilities Commission of Ohio

PowerForward



Public Utilities
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The PUCO's review of the latest in technological and regulatory innovation that could serve to enhance the customer electricity experience.



Collaborative Process

Phase One: April 2017

A Glimpse at the Future

Phase Two: July 2017

*Exploring
Technologies*

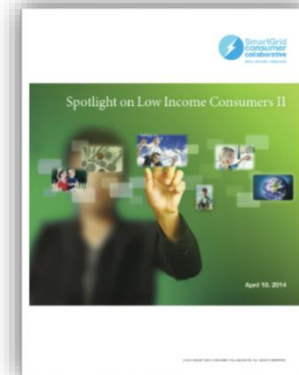
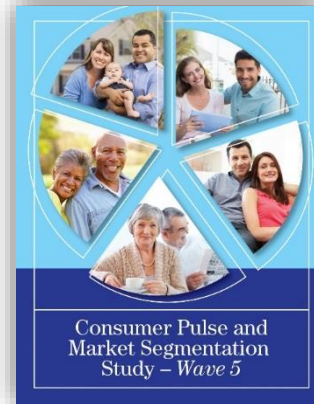
Phase Three: 1Q 2018

*Ratemaking
and
Regulation*

A Glimpse of the Future – What We Learned

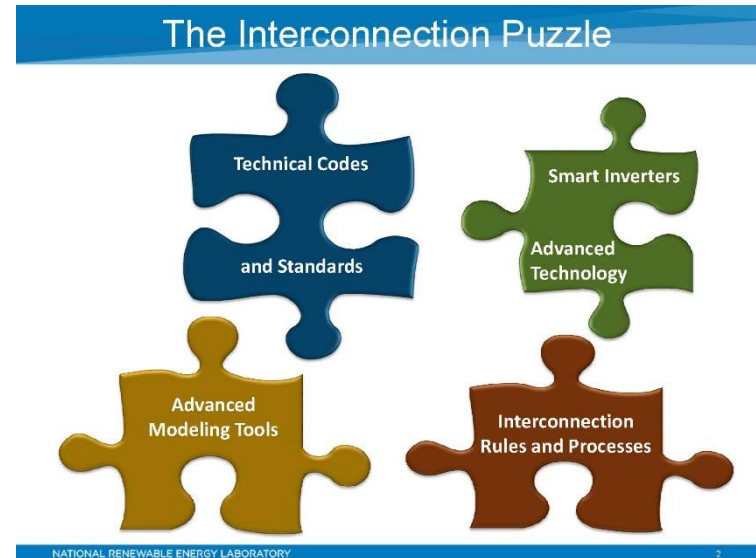
- ❖ Consumers' happiness with their utilities is low as compared to other consumer facing industries.
- ❖ Consumers want more from their utilities, as they are receiving more from other consumer facing industries.
- ❖ Consumers want more options and control.
- ❖ Consumer demographics are changing rapidly.
- ❖ Amazing technology exists to better the lives of consumers.
- ❖ Ohio is behind in allowing for this technology to be deployed to consumers.
- ❖ Utilities are going to advance in this space and push their desired outcomes regardless of PowerForward.

Recent Foundational Research



Exploring Technologies – What We Learned

- ❖ Grid Platform/Architecture
- ❖ Integration and Interoperability
 - IT/OT convergence
 - Communications requirements
 - Standards development
- ❖ Enabling Technologies
 - Data Management Systems (DMS)
 - Distribution Automation (DA)
 - Volt-VAR Optimization (VVO)
- ❖ Distributed Energy Resources (DERs)
- ❖ Examples of Modern Grid Applications



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PowerForward is the PUCO's review of the latest in technological and regulatory innovation that could serve to enhance the consumer electricity experience. Through this series, we intend to chart a clear path forward for future grid modernization projects, innovative regulations and forward-thinking policies.

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- April 20, 2017
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- April 12, 2017
PUCO accepts results of DP&L auction

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01 May

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Thank you!

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