RHODE ISLAND OFFICE OF ENERGY RESOURCES &
DIVISION OF PUBLIC UTILITIES AND CARRIERS

Power Sector Transformation: Technical Session and Inquiry into Distribution System Planning

May 26, 2017
POWER SECTOR TRANSFORMATION

Will shape the ongoing transformation of the electric grid to achieve three policy objectives:

◆ Control the long-term costs of the electric system: *system efficiency*

◆ Build a flexible grid to integrate more clean energy generation: *system flexibility*

◆ Give customers more energy choices: *customer choice*
PLANNING WILL EVOLVE BECAUSE CUSTOMERS CAN HELP MEET GRID NEEDS

Then

<table>
<thead>
<tr>
<th>The Utility’s Charge</th>
<th>Safe, reliable electric service</th>
<th>Identify Needs &amp; Recommend Solutions</th>
<th>By Utility</th>
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<tr>
<td>Distribution System Planning</td>
<td>Safe, reliable electric service &amp; optimized deployment of resources</td>
<td>Reveal Value &amp; Source Solutions</td>
<td>By Utility customers &amp; the marketplace</td>
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</table>

Now

Guiding Investment
DSP addresses multiple planning criteria that vary by time and location.
HOW DO KEY ELEMENTS OF DSP EVOLVE?

- Forecasting demand
- Power flow analysis
- Solution identification
- Hosting capacity analysis
HOW TRANSPARENT SHOULD DSP BE?

- Who are the users of system and customer data?
- What data do users need to guide investment decisions?
- How frequently and in what format do users need data?
- What are the key data access and security considerations?
WHAT SHOULD THE DSP PROCESS LOOK LIKE?

- What DSP information should be made available to users?
- How often should this information be made available?
- How should any new DSP filings be coordinated with existing filings?
DISTRIBUTION SYSTEM PLANNING NEXT STEPS

- Questions document released by June 2\textsuperscript{nd}
- Responses requested by Monday, June 19\textsuperscript{th}
- Submit by electronic mail to dpuc.powersectortransformation@dpuc.ri.gov
- Straw document for comment in July

http://www.ripuc.ri.gov/utilityinfo/electric/PST_home.html