### A CFO'S VIEW OF THE ENERGY LANDSCAPE

### Janaize Markland

Director, Enterprise & Operational Risk Management & Insurance Pacific Gas & Electric Company

# Brian X. Tierney

Executive Vice President & CFO American Electric Power

# David Bronicheski

*CFO* Algonquin Power & Utilities Corp

# William D. Rogers

Executive Vice President & CFO CenterPoint Energy, Inc.

AEGIS 2018 PHC

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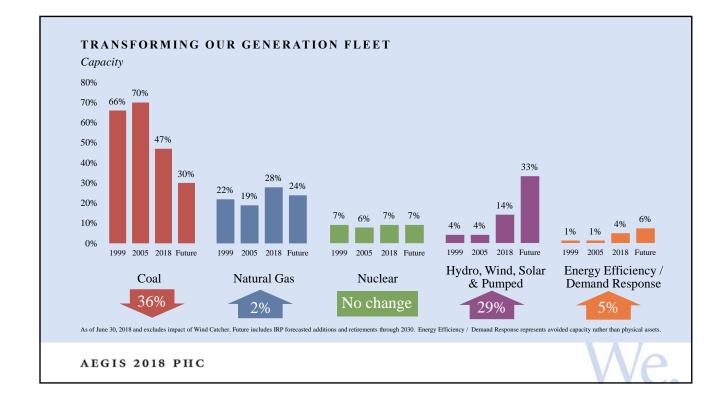
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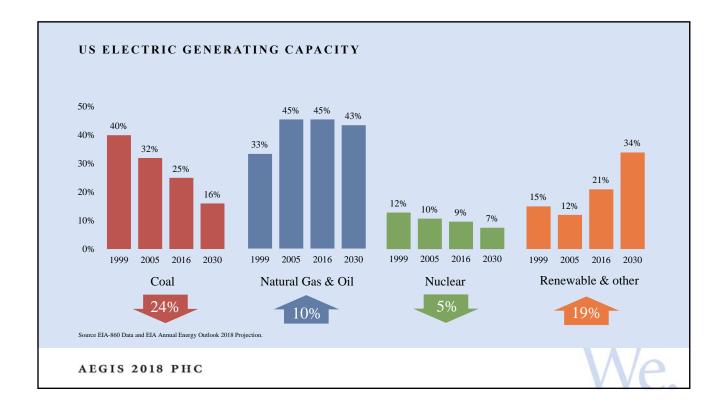
# Brian X.Tierney

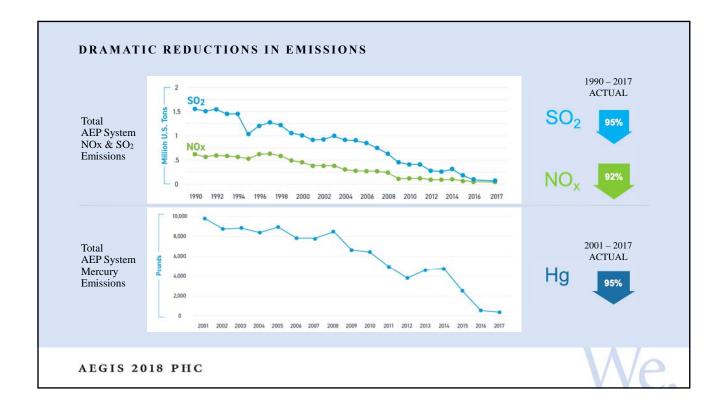
Executive Vice President & CFO

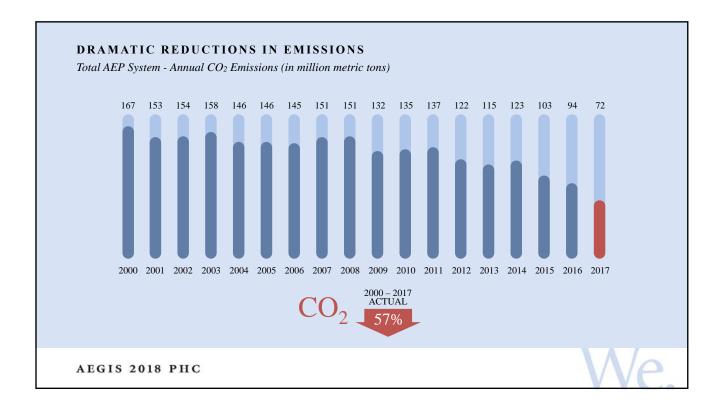
American Electric Power

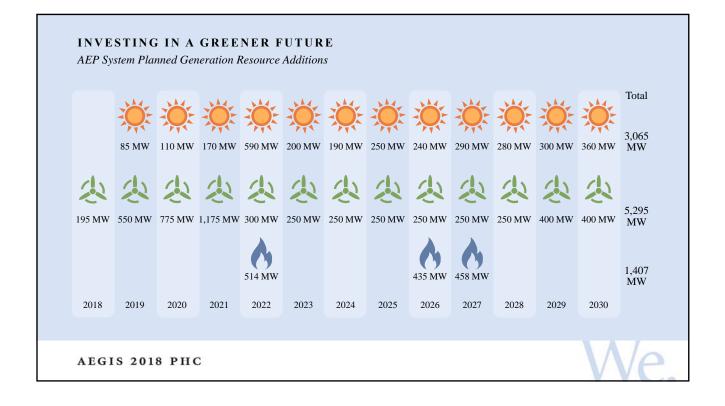


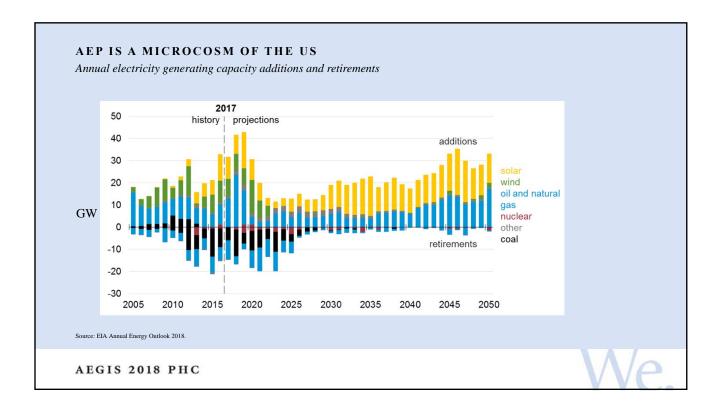


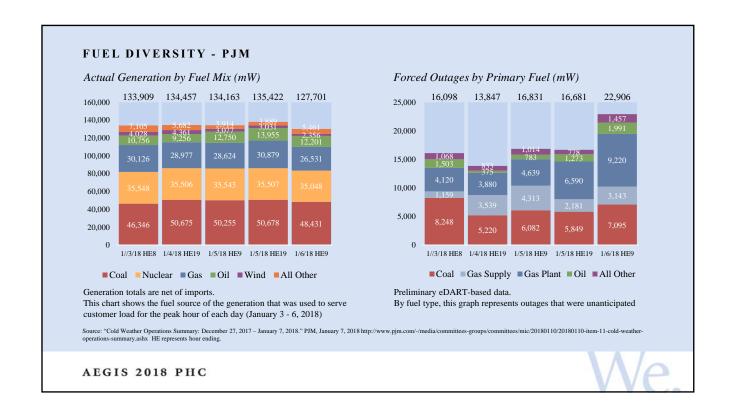


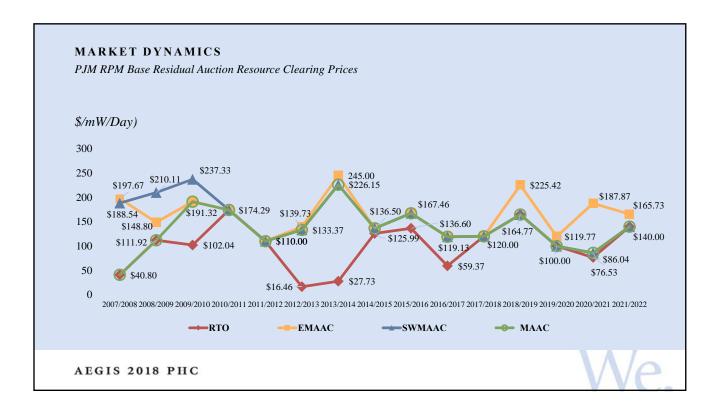


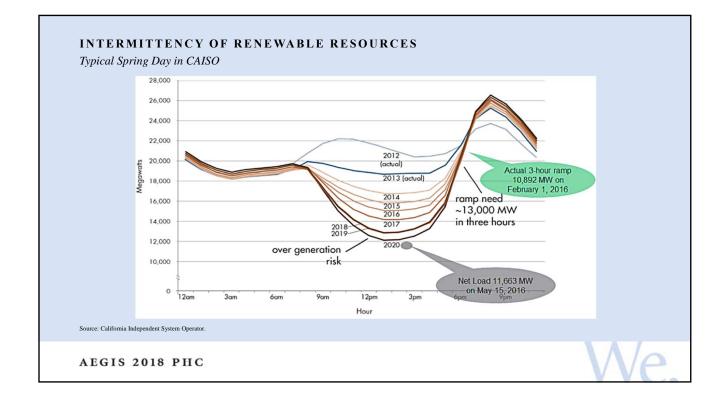


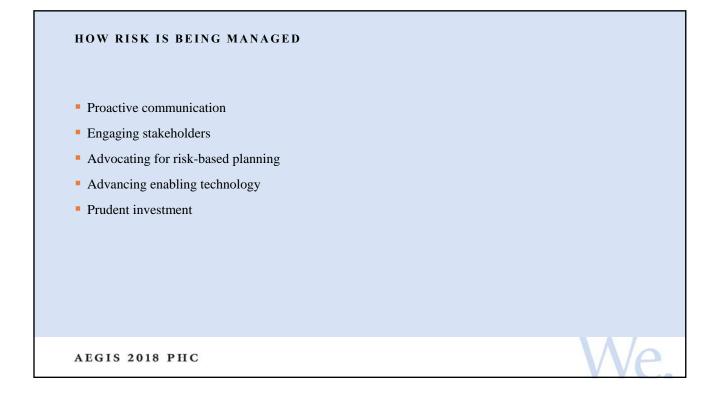








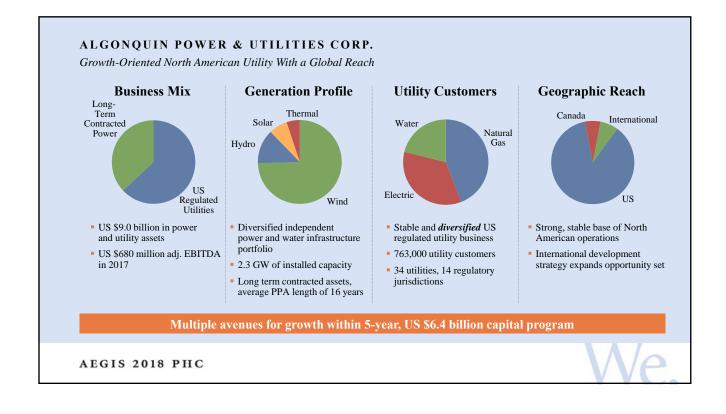


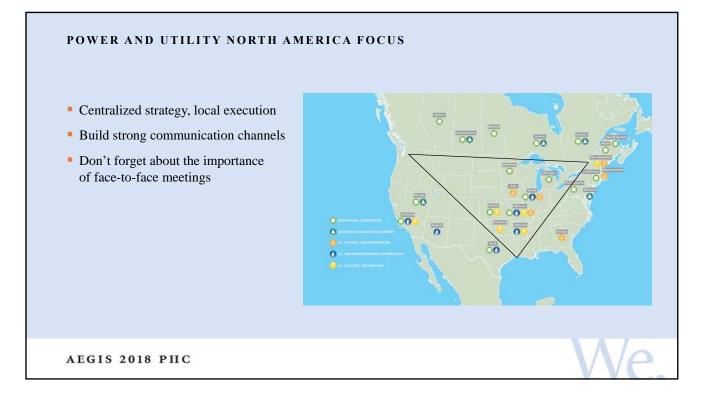


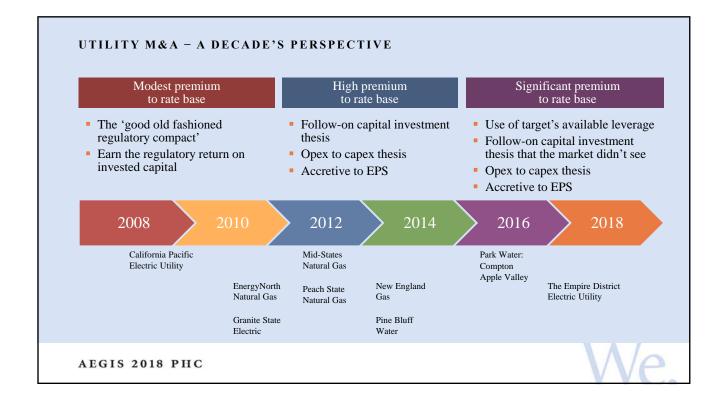
UTILITY MERGERS AND ACQUISITIONS A DECADE IN PERSPECTIVE

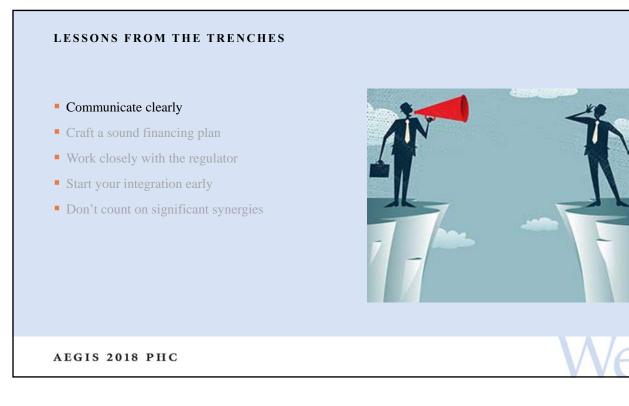
# David Bronicheski

Algonquin Power & Utilities Corp

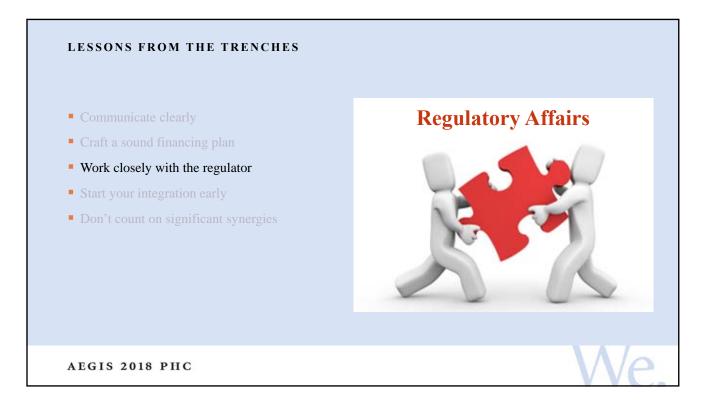


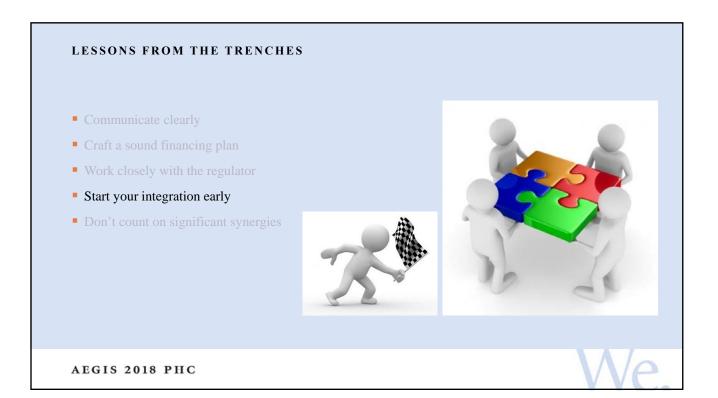


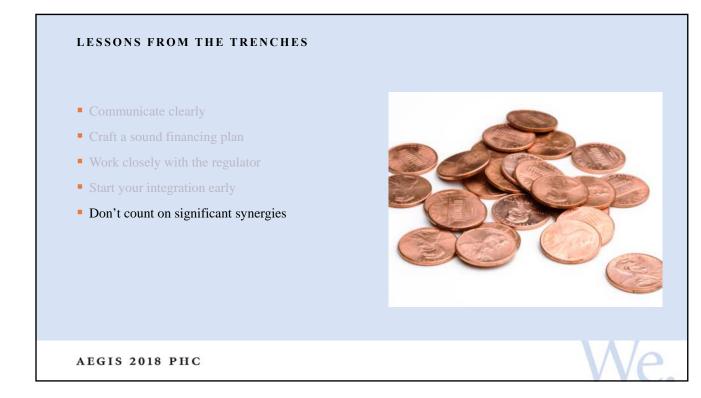




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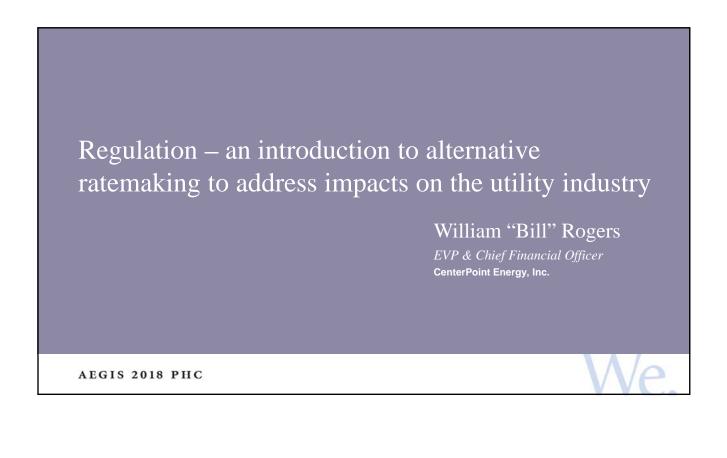
Earnings & Cash Flows	<ul><li>Long-term contracted cash flows and regulated utility earnings</li><li>Significant forecast growth from commercially secured pipeline</li></ul>	
Sustainable Growth in Dividend	<ul> <li>Annual dividend increases for eight consecutive years</li> <li>Current annual dividend of US \$0.5128, paid quarterly</li> <li>Industry-leading dividend growth</li> </ul>	
Robust Development Program	<ul> <li>Line-of-sight on US \$6.4 billion of growth over next five years</li> <li>New pathways to international growth</li> <li>Maintaining business and technology mix</li> </ul>	
Enterprisewide Focus on Risk Management	<ul><li>Investment grade capital structure</li><li>Dedicated enterprise risk management and internal audit functions</li></ul>	
Management Team	<ul> <li>Over 25 years of power generation development and utility expertise</li> <li>Entrepreneurial roots are core to the corporate culture</li> </ul>	

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# William D. Rogers

Executive Vice President & CFO

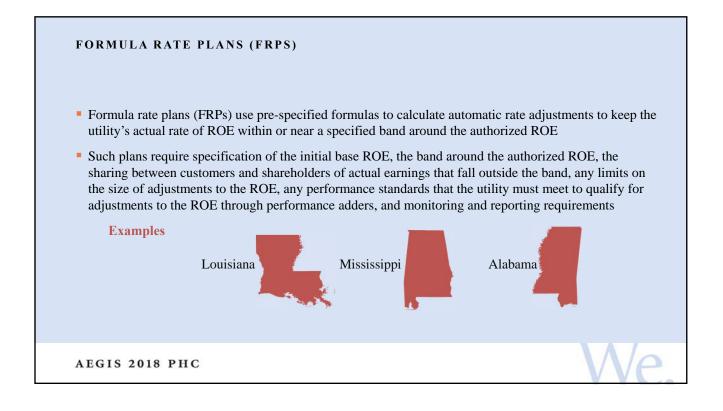
CenterPoint Energy, Inc.

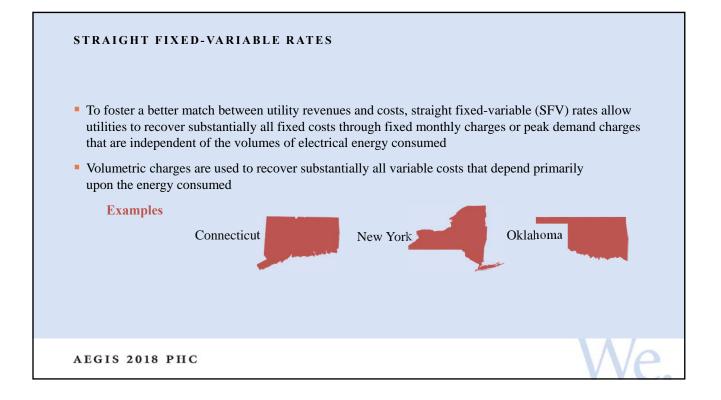


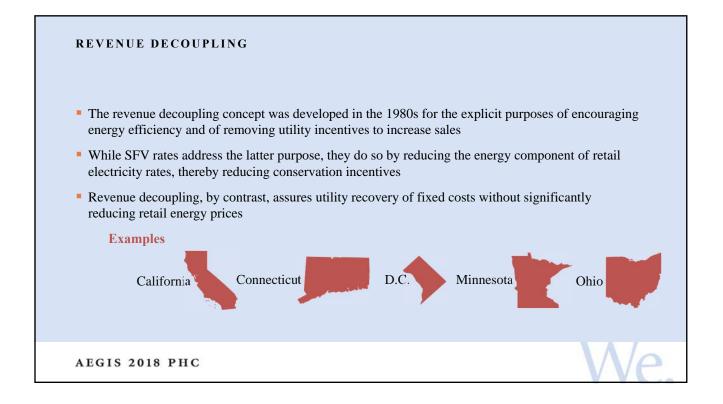
### STATES AND COMMISSIONS CONSIDER ALTERNATIVES TO TRADITIONAL COST OF SERVICE RATEMAKING BASED ON POLICY OBJECTIVES

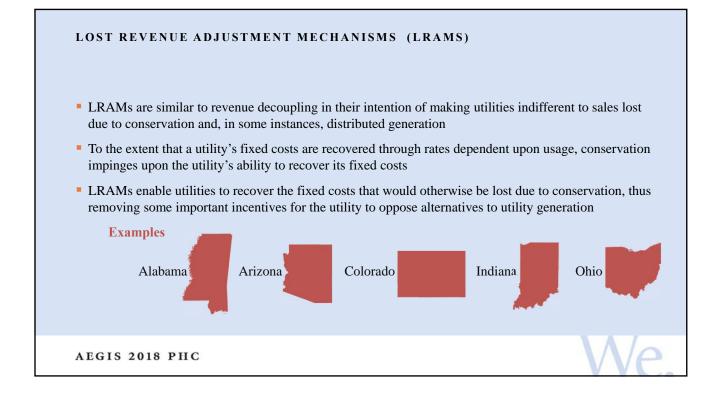
- Formula rate plans
- Straight fixed-variable rates
- Revenue decoupling
- Lost revenue adjustment mechanisms
- Multi-year rate plans
- Price cap plans

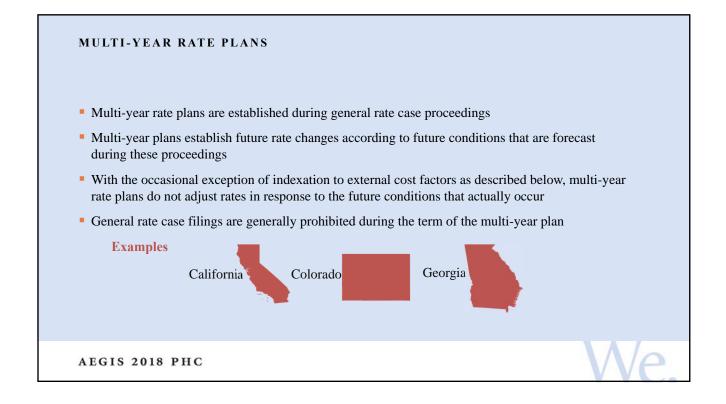
Note: Much of this presentation is sourced from Christensen Associates' May 2016 report to the Public Utility Commission of Texas: This presentation is being provided for informational purposes only and does not purport to be comprehensive. You are encouraged to perform your own independent evaluation and analysis, as applicable.



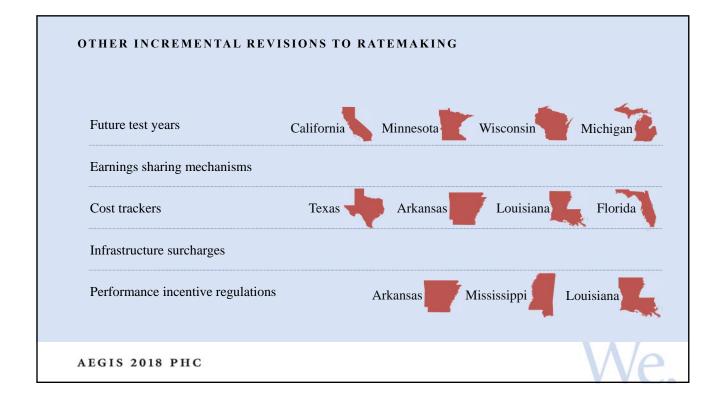


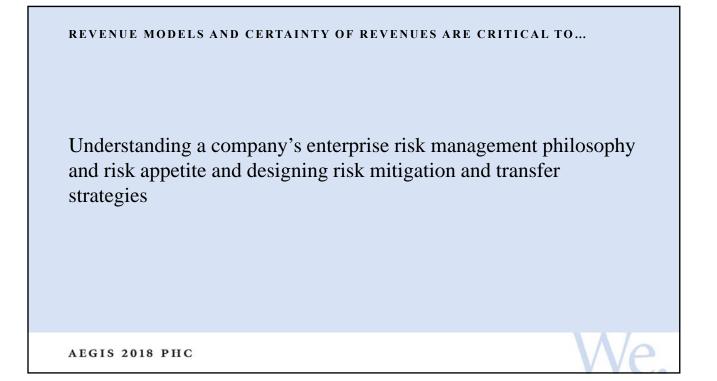






PRICE CAP PLANS	
<ul> <li>Price cap plans seek to encourage utilities to reduce costs by mail (or average unit revenues) exogenous to the utility</li> </ul>	king retail electricity prices
<ul> <li>Prices (or average unit revenues) are allowed to increase no faste such as the prices of specified inputs (like fuels) or economy-wide</li> </ul>	
<ul> <li>At the same time, prices (or average unit revenues) are reduced a of productivity improvement for the electric power industry</li> </ul>	according to some measure
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Arkansas	Formula Rate Plan (FRP)	<ul> <li>Fully projected test year, with true-up, using previously approved ROE. Calculates an Earned Return Rate (ERR)</li> <li>ERR is compared to Targeted Return Rate (TRR). If ERR above/below TRR + / - 50 basis points rates are adjusted to TRR</li> <li>Increase/decrease shall not exceed 4% of rate classes revenue</li> </ul>	<ul> <li>Required filing</li> <li>File between 4 / 4-</li> <li>Effective first business day of October</li> </ul>
Louisiana	Rate Stabilization Plan (RSP)	<ul> <li>Actual earned ROE (ER) is compared to allowed ROE (AR) and if ER is + / - 50 basis points of AR rates are adjusted to AR</li> <li>Adjustment to the commodity rate</li> </ul>	<ul> <li>Required filing</li> <li>File by Oct. 1st.</li> <li>Effective 90 days after filing.</li> </ul>
Minnesota	Decoupling	<ul> <li>Adjustment based on revenues per customer - actual revenues compared to authorized revenue per customer times the greater of actual number of customers or customers used to determine rate</li> <li>No cap on refunds, surcharges subject to 10% of non-gas margins</li> </ul>	<ul> <li>Required filing</li> <li>File by 9 / 1</li> <li>Effective 9 / 1 subject to PUC approval</li> </ul>
Mississippi	Rate Regulation Adjustment (RRA)	<ul> <li>An earned ROE (ER) is compared to the allowed ROE (AR) and rates are adjusted if</li> <li>ER 100 BPs &lt; AR, rates increased to bring ER to AR</li> <li>ER 100 BPs &gt;AR then 75% of the revenues that are &gt;50 BPs above AR are then returned to customers</li> <li>Any change in rates split 50 / 50 between customer charge and commodity rate</li> </ul>	<ul> <li>Required filing</li> <li>Filed by May 1st.</li> <li>Expected to be effective by September 1st.</li> </ul>

Oklahoma	Performance Based Rate Change (PBRC)	<ul> <li>An earned ROE (ER) is compared to the allowed ROE (AR) and rates are adjusted if:</li> <li>ER 50 BPs &lt; AR, rates increased to bring ER to AR;</li> <li>ER 50 BPs &gt; AR then 75% of the revenues that are &gt;50 BPs above AR are then returned to customers through a temporary credit</li> <li>Any change in rates split 50/50 between customer charge and commodity rate</li> </ul>	<ul> <li>Required filing</li> <li>File by March 1<sup>st</sup></li> <li>Typically effectiv 3<sup>rd</sup> Quarter</li> </ul>
Texas	Gas Reliability Infrastructure Program (GRIP)	<ul> <li>Capital investment tracker mechanism – based on annual incremental investment</li> <li>Includes return on investment, depreciation and certain taxes</li> <li>A full rate case required within 5 ½ years of initial GRIP</li> <li>Subject to prudence review in next rate case</li> </ul>	<ul> <li>Initial filing with 2 years of rate case, required thereafter</li> <li>Typically filed by 3/31</li> <li>Typically effectiv 2<sup>nd</sup> and/or 3<sup>rd</sup> quarter</li> </ul>

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Texas       Distribution Cost Recovery Factor (DCRF)       Annual Earnings Monitoring Report must reflect that utility is not earning more than authorized weather-adjusted ROR       Annual File         Limit of 4 between comprehensive base-rate proceedings       * CEHE agreed to 2018 DCRF per 20 DCRF settlement				
Taxas I ransinission TCOS filing as well as changes to appropriate depreciation and taxas	Texas	Cost Recovery	<ul> <li>proceeding.as well as changes to appropriate depreciation and taxes.</li> <li>Annual Earnings Monitoring Report must reflect that utility is not earning more than authorized weather-adjusted ROR</li> <li>Subject to reconciliation and prudency of investment in next rate case</li> </ul>	<ul> <li>Effective September 1<sup>st</sup> or later</li> <li>* CEHE agreed to file a 2018 DCRF per 2017</li> </ul>
	Texas	Cost of Service	TCOS filing as well as changes to appropriate depreciation and taxes	<ul><li>Discretionary</li><li>May file twice per year</li></ul>

