

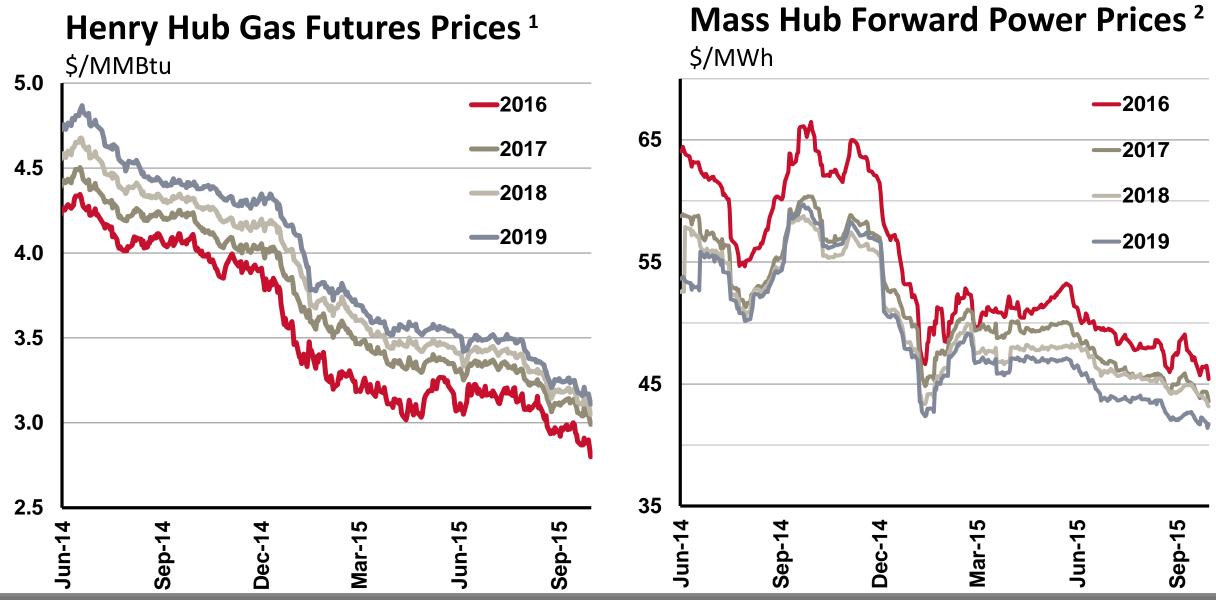
Pilgrim Shutdown Decision: Key Factors

✓ Revenues

✓ Market Conditions

✓ Operational Costs

Key Factors: Gas and Power Futures



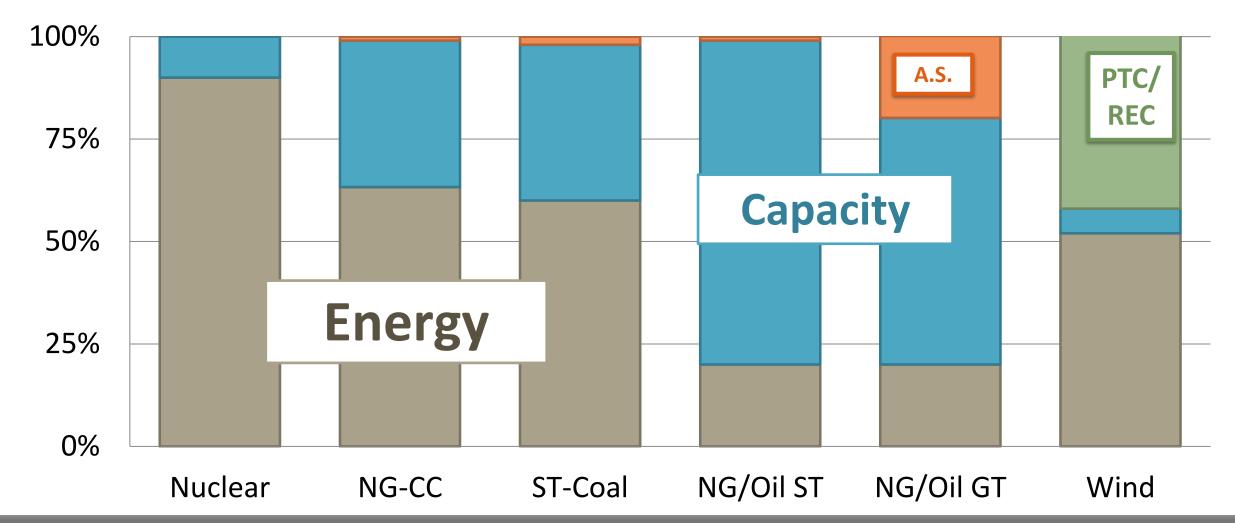
Key Factors: Market Reforms - Progress Slow

ISO-NE Market Design Changes

| Market Design Initiative | Objective | Prospects | Effective Date for Benefits |
|---|-----------------------------|------------------------------|-------------------------------|
| Increased Operating Reserve Requirement and Pricing | Energy Price Formation | Implemented | 2Q18+ |
| Fast Start Pricing | Energy Price Formation | Progressing / Very Likely | 1Q17+ |
| Fuel-Neutral Winter Reliability Program | Attributes (onsite fuel) | Rejected by FERC | Winter 15/16- Winter 17/18 |
| Co-optimized Energy and Reserves in DAM | Energy Price Formation | Potential | 2018 + |

Key Factors: Energy Prices Impact Revenues

New England Generating Plants' Revenue Source by Technology





Key Factors: Markets Ignore Nuclear's Attributes

Our Objectives

Proper compensation (price signals) for nuclear's attributes:

- Baseload energy/price stabilization
- Effectively zero greenhouse gas emissions
- On-site fuel supply for reliability

Recent Policy Outcomes

Inadequate compensation for nuclear plants' benefits:

- Proposed MA Clean Energy Standard <u>excluded</u> existing nuclear generation.
- FERC <u>rejected</u> ISO-NE's winter fuel reliability program, which would have compensated nuclear power plants for onsite fuel supply.

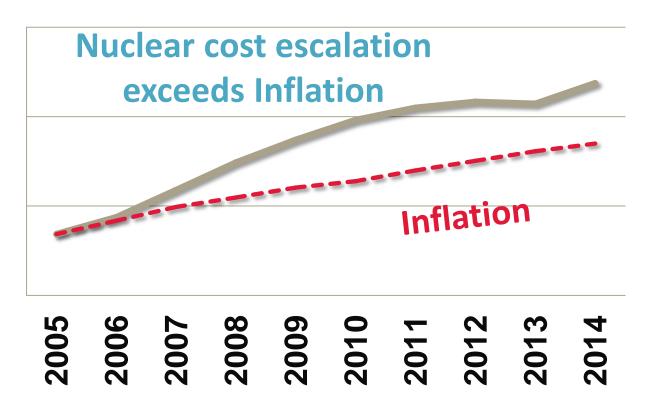
Unfavorable MA Energy Policies:

- Proposal to provide preference to imported
 Canadian Hydro power (MA Senate Bill 1965)
- Ratepayer-subsidized access to gas pipeline capacity.



Key Factors: Increased Costs

Operating Costs Trends (2005-2014) \$/MWh



| Generating Costs ¹ (2013 Average \$/MWh) | | | |
|---|------|--|--|
| First Quartile | \$28 | | |
| Multi Unit Sites | \$35 | | |
| U.S. Fleet Average | \$41 | | |
| Single Unit Sites | \$50 | | |

