

## ISO New England Update

Consumer Liaison Group Meeting

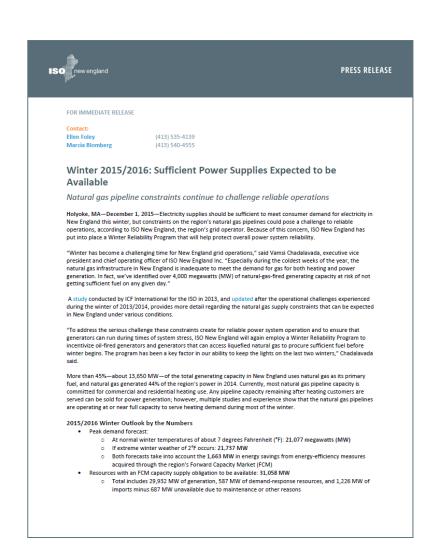
#### Anne George

VICE PRESIDENT, EXTERNAL AFFAIRS & CORPORATE COMMUNICATIONS

## **2015/2016 WINTER OUTLOOK**

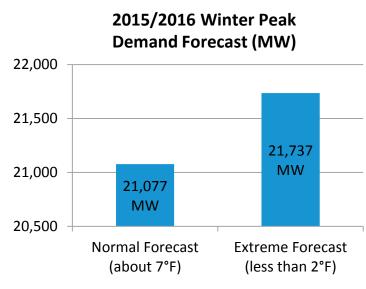
#### ISO New England Releases 2015/2016 Winter Outlook

- On December 1, 2015, ISO
   New England released its
   2015/2016 Winter Outlook
   press release, which projects
   sufficient electricity supplies
   to meet consumer demand in
   New England this winter
- Winter Outlook is available on ISO New England's press releases webpage
  - http://www.iso-ne.com/about/newsmedia/press-releases



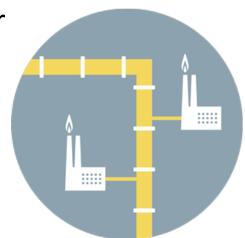
### 2015/2016 Winter Outlook By the Numbers

- Peak demand forecast:
  - At normal winter temperatures
    (of about 7°F): 21,077 MW
  - At extreme winter temperatures (of less than 2°F): 21,737 MW
  - Both forecasts take into account
    1,663 MW of energy savings
    from energy-efficiency measures
- Total resources with an FCM capacity supply obligation to be available: 31,058 MW
- Total resources, including FCM obligations and capability without FCM obligations: 33,922 MW
- All-time winter peak demand: 22,818 MW (set on January 15, 2004)
- All-time peak demand: 28,130 MW (set on August 2, 2006)



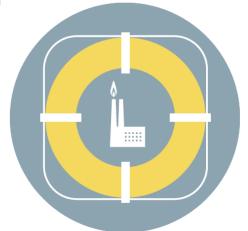
# Winter Outlook Highlights Natural Gas Pipeline Constraints as a Continuing Challenge

- More than 45%—about 13,650 MW—of the total generating capacity in New England uses natural gas as its primary fuel
- Winter Outlook identifies 4,220 MW of natural gas-fired generation at risk of not being able to get fuel when needed
- Because of concerns relating to natural gas pipeline constraints, the ISO will administer another Winter Reliability Program to help improve fuel security and protect overall power system reliability
  - December 1, 2015 to February 29, 2016



#### Winter Reliability Program Update

- For the past two winters, ISO New England has administered a
   Winter Reliability Program to address challenges created by the
   region's constrained interstate natural gas pipeline system
- In September, FERC approved a program that will be in place for the next three winters, providing compensation for:
  - 1. Carrying costs of fuel oil that was unused at the end of the winter;
  - 2. Unused liquefied natural gas contract volumes; and
  - 3. Supplemental demand response
- These programs serve as a stop-gap measure until longer-term capacity market changes go into effect on June 1, 2018 through the ISO's Pay-for-Performance (PFP) incentives



#### Winter Reliability Program Update, continued

- 1. Oil Program: Based on initial submissions from 81 units, total eligible oil is anticipated to be 2.965 million barrels
  - Total oil program cost exposure is anticipated to be \$38.25 million (\$12.90/barrel)



2. LNG Program: Based on initial submissions from 8 units, total eligible LNG is anticipated to be 1.278 million MMBTU



- Total LNG program cost exposure is anticipated to be \$2.75 million (\$2.15/MMBTU)
- 3. DR Program: Based on initial submissions from 6 assets, at least 26.5 MW of interruption capability is anticipated



Total DR program cost exposure is anticipated to be \$132,000

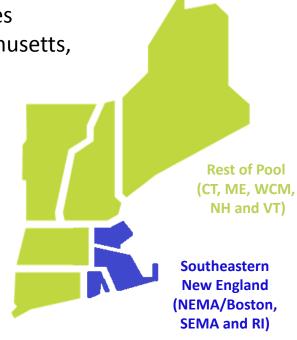
## **FORWARD CAPACITY AUCTION #10**

# ISO New England Will Run the Tenth Forward Capacity Auction (FCA #10) in February 2016

- FCA #10 will begin on February 8, 2016, and will procure the capacity resources needed for the New England control area for the 2019-2020 Capacity Commitment Period
- On November 10, 2015, ISO New England submitted an informational filing to FERC regarding the qualification of resources for FCA #10
- The filing also included locational capacity requirements based upon the topology of the transmission system, and specifically which capacity zones are to be modeled in the auction

### Two Capacity Zones Will Be Modeled for FCA #10

- The ISO will model two capacity zones in FCA #10:
  - The Southeastern New England Capacity Zone, which includes Northeastern Massachusetts (NEMA)/Boston, Southeastern Massachusetts (SEMA), and Rhode Island
  - The Rest-of-Pool Capacity Zone, which includes Connecticut, Maine, Western/Central Massachusetts, New Hampshire and Vermont
- The net Installed Capacity Requirement to be procured in the auction is 34,151 MW
- The ISO qualified 33,411 MW of existing capacity resources and 6,720 MW of new capacity resources to compete in the auction



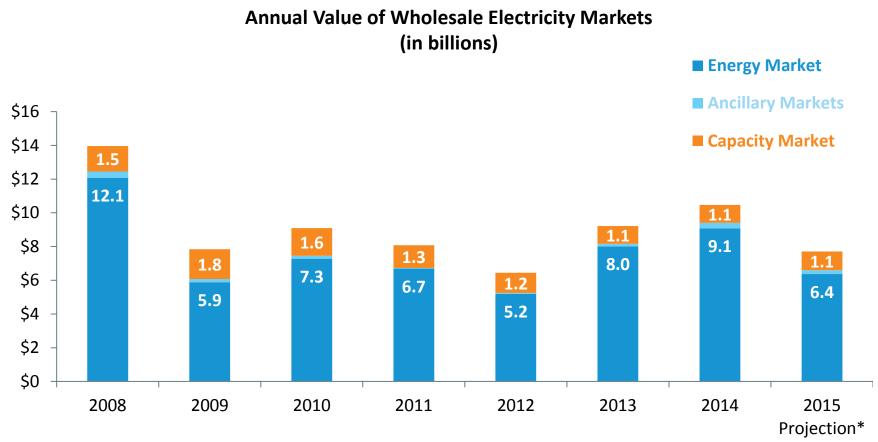
# More Than 700 MW of Capacity Submitted Non-Price Retirement (NPR) Requests for FCA #10

- 17 existing resources (totaling 728 MW) announced plans to permanently retire their units by June 1, 2019
- Pilgrim Nuclear Power Station (677 MW) was the largest resource to submit an NPR request for FCA #10
- An NPR request triggers a reliability review by ISO New England to determine whether the resource is needed for reliability
  - Must be completed within 90 days
- Regardless of the outcome of the review, the ISO does not have the authority to prevent a resource from retiring
- ISO New England will present the results of its reliability review of Pilgrim Nuclear Power Station during the December 16, 2015 Reliability Committee meeting

## **WHOLESALE MARKET COSTS**

### **Wholesale Electricity Costs Reflect Market Conditions**

Annual wholesale market costs have ranged from \$6 billion to \$14 billion



Source: 2014 Report of the Consumer Liaison Group, Appendix C

<sup>\*</sup> The 2015 Projection is the sum of Jan-Oct actuals and Nov-Dec projections. For the Nov-Dec projections, the Energy Market values are based on 2014 Nov-Dec actuals; the Ancillary Market values reflect the 2015 YTD monthly average held constant for the remainder of the year; and the Capacity Market values reflect the October 2015 value held constant for the remainder of the year. **Note**: Jan-Oct actuals reflect preliminary data subject to reconciliation.

# Questions





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