

2018 Integrated Resource Plan (IRP) Draft Results

Strategic Session
September 13, 2017



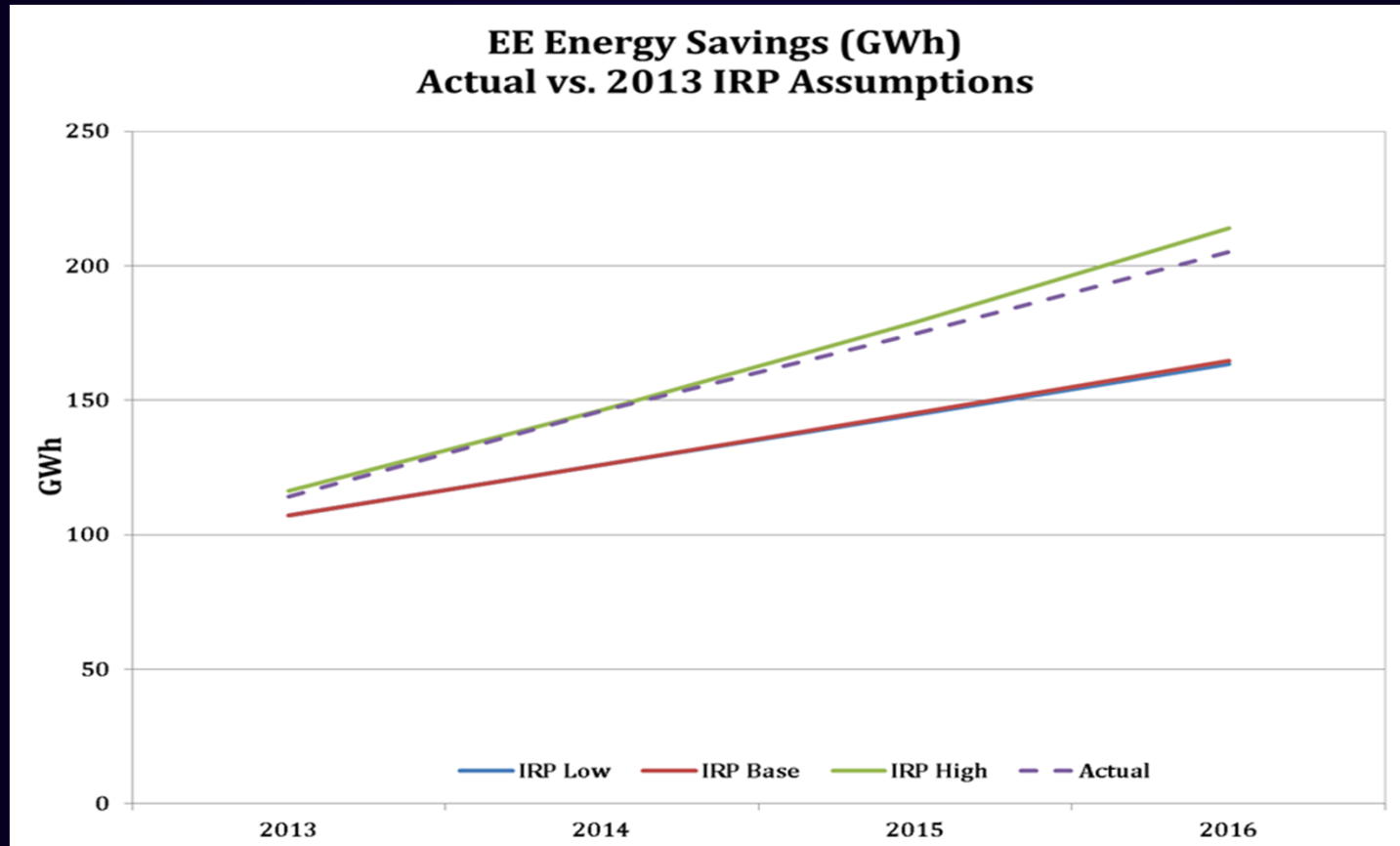
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Changes since the 2013 IRP

- 2016 Wholesale Contract
 - All but 9 signed new contracts
- Resources
 - 5 MW - Cooper Nuclear Station (CNS) - new high pressure turbine
 - Did not proceed with an Extended Power Uprate at CNS
 - 34 MW – Qualifying Local Generation
 - 94 MW – NPPD’s share of wind facilities
 - Lincoln Electric System ends its participation with Sheldon
 - Monolith
- Southwest Power Pool Integrated Marketplace Started in 2013
- EnergyWiseSM Energy Efficiency Program
 - Actual Savings close to high assumptions in 2013 IRP

Changes since the 2013 IRP (cont.)

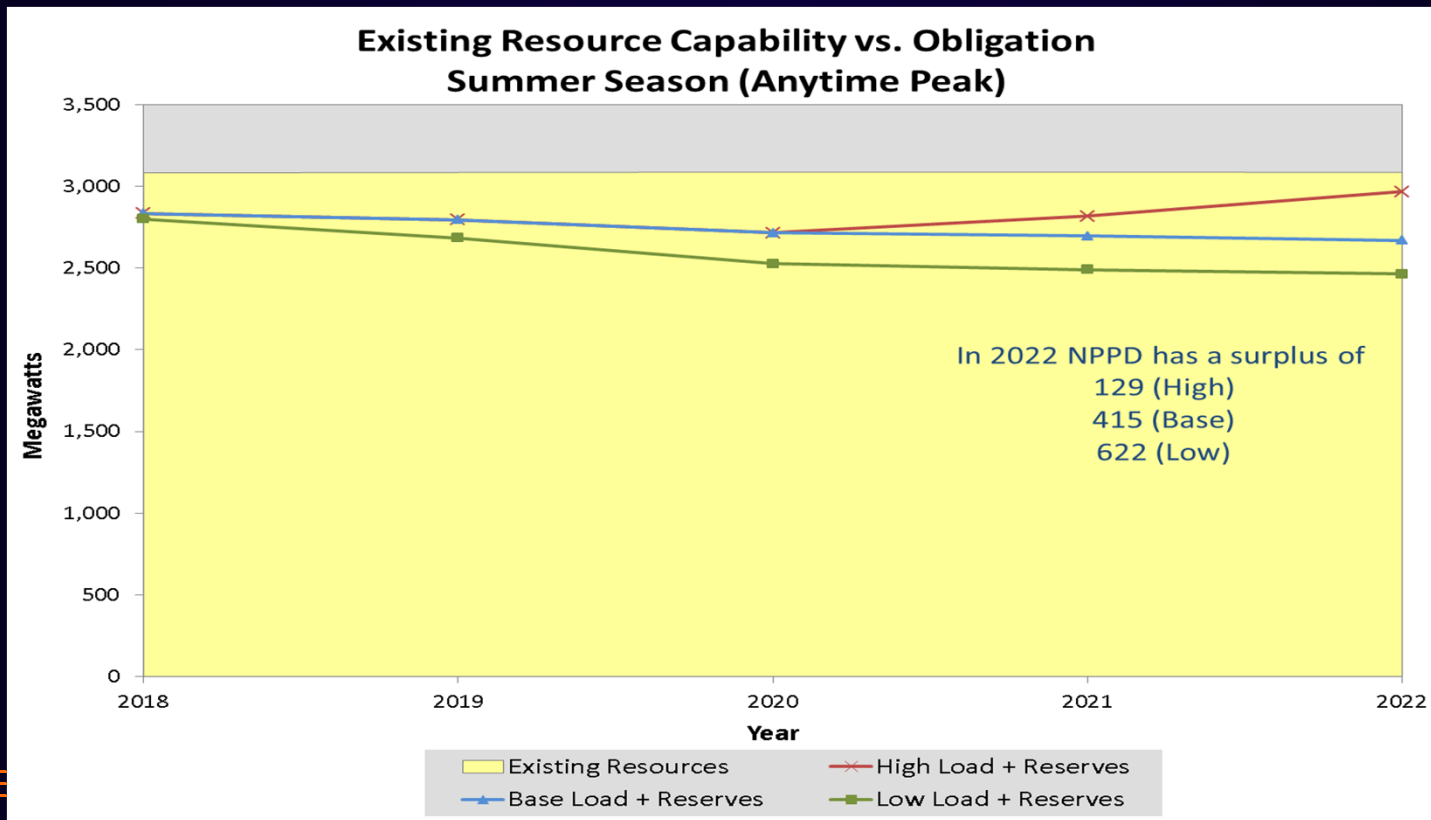


≡ Approach

- 5 year time frame
 - 2018-2022
- Why did we select 5 years for this report?
 - Planning horizon for new resources are relatively short
 - Environmental regulatory landscape has changed
 - New Wholesale Contracts allowed for Qualifying Local Generation
 - Electric Utility Industry is changing

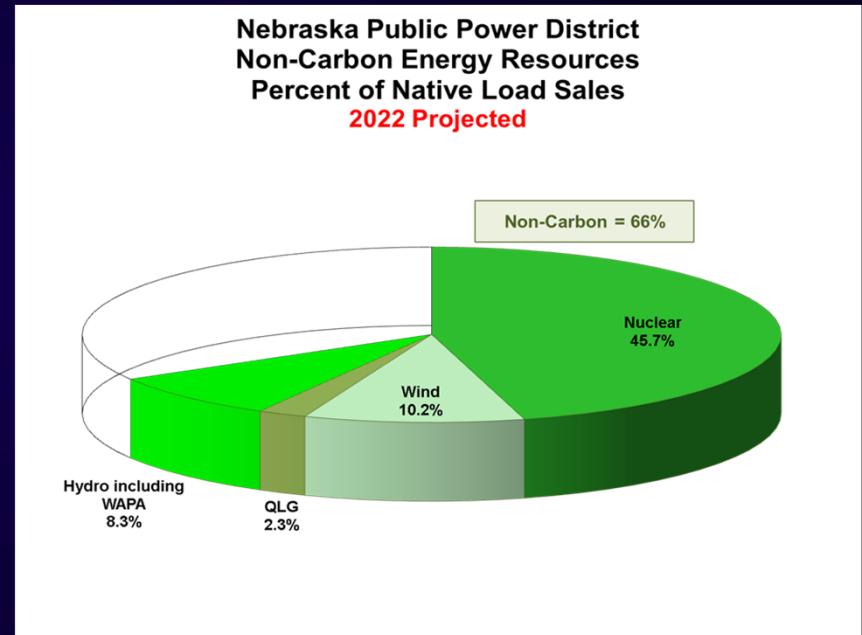
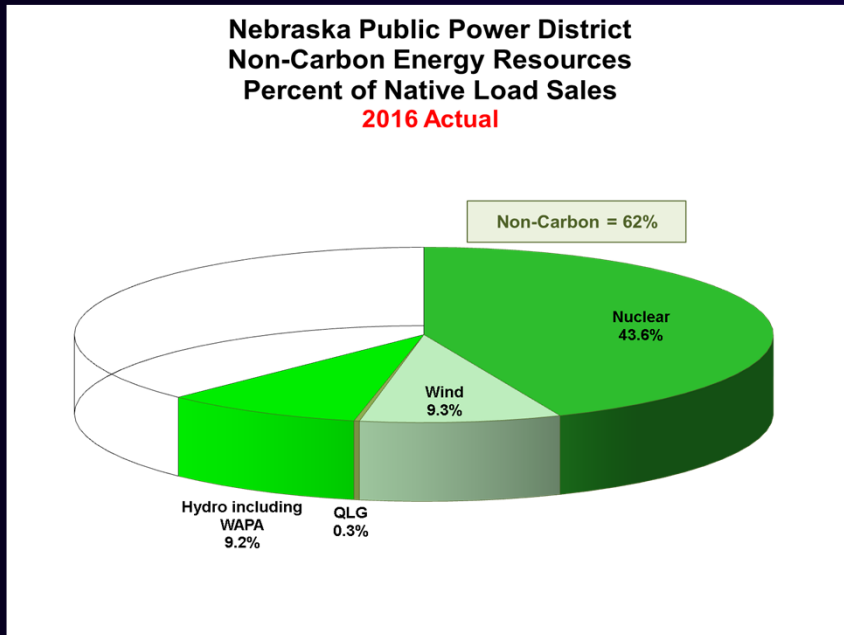
Draft Results

- Load & Capability - no new resources required



≡ Draft Results (cont.)

- Non-carbon Resources - increasing over time



- Note: Non-carbon growth between 2012-16 is approx. 8%

≡ Draft Results (cont.)

- Action Items
 - Monitor major uncertainties such as load, market and fuel prices, and environmental regulations
 - Report on the amount the Qualifying Local Generation and other distributed resources
 - Report on the progress of the Monolith Materials project
 - Continue to evaluate carbon management options for Gerald Gentleman Station, Sheldon, and Beatrice Power Station

Public Involvement

- Wholesale Customers
 - Power Resource Advisory Board Meeting
 - Feedback to account managers
- General Public
 - Notify via
 - Retail – message in bill
 - Nebraska Rural Electric Association magazine article
 - Newspaper advertisements
 - Press releases, social media, media interviews
 - Developing an IRP site on NPPD.COM
 - Introduction video / Video of this presentation / 2018 IRP / Survey
 - Solicit feedback using the survey
 - Public Comment Period during Board Meetings

≡ Remaining Schedule



**Discuss with
Board, customers
& solicit feedback
from public**

**September 2017 –
November 2017**



Finalize Report

**December 2017 –
January 2018**



**Approve the IRP;
Submit to WAPA**

**February 2018 –
March 2018**

Questions?



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