# CEO ROUNDTABLE NPPD/LES/OPPD

7<sup>th</sup> Annual Nebraska Wind & Solar Conference

October 30, 2014 La Vista, NE

Pat Pope President & CEO



### **NPPD's Addition of Wind Generation**

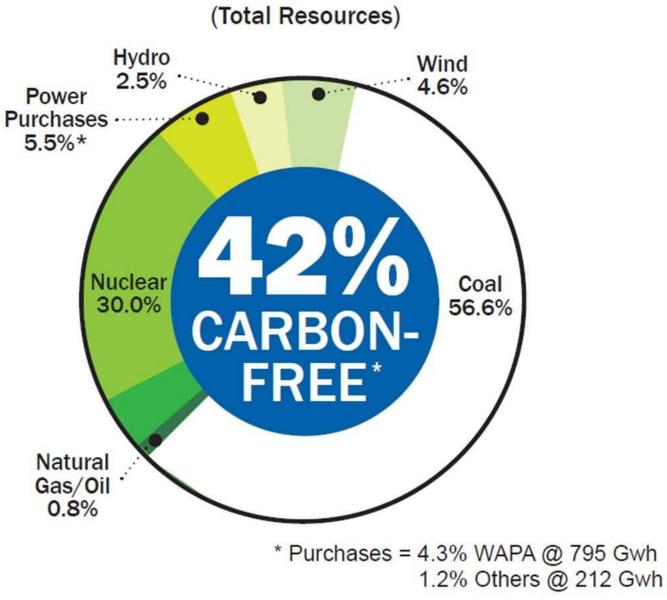
#### In 2008, NPPD's Board set goal of 10% new renewables by 2020. Only need 21 MWs more to meet goal.

350 334.2 **Project size** NPPD Involved Wind Projects (Total MWs) 300 (1) Ainsworth Wind Energy Facility 59.4 (2) Elkhorn Ridge 80 (3) Laredo Ridge 80 (4) Bluestem, LLC 3 (5) Crofton Bluffs 42 6) Broken Bow 80 250 7) Steele Flats 74.8 8) Broken Bow II 75 (9) Future Wind Farm 21 200 150 100 (5,6) (7) (3,4) 10% Board Goal Established Feb 2008 (2)50 (1) (8) (9) 0 2005 2006 2007 2008 2009 2010 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 NPPD Share MW's 31.4 0.0 0.0 0.0 40.0 0.0 64.0 72.0 74.8 29.0 0.0 0.0 0.0 0.0 21.0 0.0 NPPD Accumulated MW's 31.4 135.4 207.4 282.2 311.2 311.2 332.2 332.2 31.4 31.4 31.4 71.4 71.4 311.2 311.2 311.2 94% 94% % toward Board goal 9% 9% 9% 9% 21% 21% 41% 62% 85% 94% 94% 94% 100% 100%

NEBRASKA PUBLIC POWER DISTRICT Wind Generation Addition Plan to Meet 10% New Renewable Goal by 2020

Nameplate MW

#### **NPPD's Generation Resources - 2013**



#### **Broken Bow II**

- October 1 Came on-line
- October 26 Ribbon-cutting ceremony
- □ 75 MW NPPD 40% / OPPD 60%



### **NPPD's Recent Board Direction**

- In June 2014, NPPD's Board passed a resolution to approve an additional wind PPA with balancing REC financial agreements.
- The NPPD Strategic Plan proposed for 2015 includes development of a strategy for distributed generation including PV solar.

#### EPA 111(d) Activity and Potential Impacts

- NPPD's team focused on responding to EPA proposal.
- Renewables and energy efficiency play a major role in the proposed EPA regulations in reducing the states' emission rates.
- Limited analysis has been done regarding what NPPD may do as there is large uncertainty what the final rule may be.
- Assuming the proposal becomes law, NPPD will evaluate the costs of additional
  - conventional and renewable generation (wind and solar),
  - energy efficiency for end use customers,
  - as well as improvements in our transmission system and fossil-fueled plants.

## EPA 111(d) Activity and Potential Impacts

- Considerable uncertainty regarding future generation in Nebraska and SPP. NPPD will strive to maintain reliable and low-cost power that we have historically provided.
- SPP areas of concern with the proposed Clean Power Plan (CPP)
  - Impact the reliability of the Bulk Electric System.
  - Proposed timing for compliance is infeasible.
  - Proposed CPP will have material impacts on the dispatch of units.

#### **Questions?**

