



NPPD & Cogeneration at Ethanol Plants

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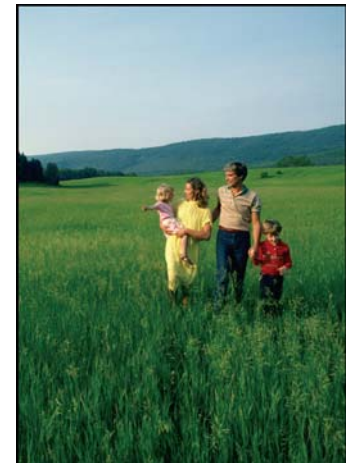
Presentation Overview

- NPPD's Vision & Mission
- Importance of Ethanol to NPPD
- Potential sources of generation into the future
- Why Cogeneration makes sense
- Cogeneration flexibility with ethanol customers
- Contact information



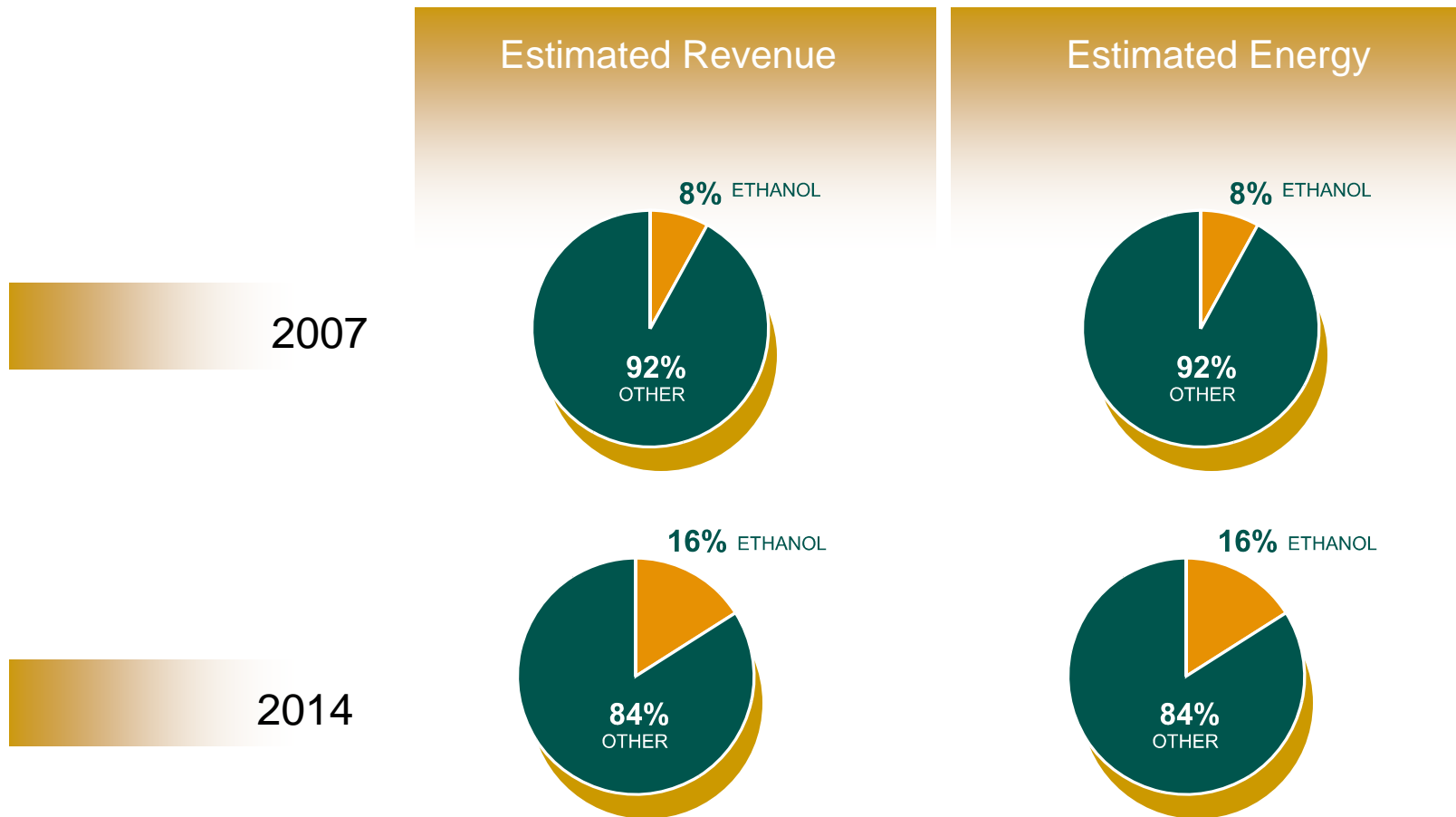
NPPD's Vision and Mission

- **NPPD Vision** Dedicated to enhancing the quality of life for Nebraskans through our people and other public power assets.
- **NPPD Mission** Safely generate and deliver low cost, reliable energy and provide outstanding customer service.



Importance of Ethanol to NPPD

Ethanol compared to “all other” sectors

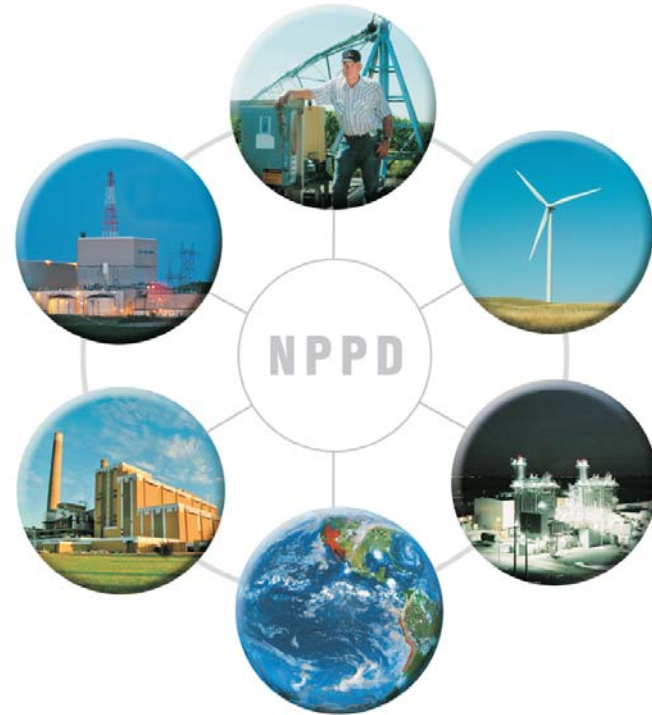


Source: Scott Loseke, Load Forecasting, 1/08

Estimated Revenue based on current projection for ethanol energy and pro forma wholesale \$/MWh.

Potential sources of generation into the future

- We have a choice:
 - ❑ Energy Efficiency
 - ❑ Wind
 - ❑ Solar
 - ❑ Biomass
 - ❑ Combustion Turbine
 - ❑ CNS Uprates
 - ❑ New Coal
 - ❑ COGENERATION
- Public input meeting – Tonight!



Why Cogeneration Makes Sense

- Efficiency!.....
- Helps ethanol plants...





- Helps public power in Nebraska....
- Helps the environment...

- Helps Nebraskans...

Did you know...?

Through 2006, our Partners have installed 3,568 megawatts (MW) of CHP with Partnership assistance. These emissions reductions are equivalent to:

 <p>1,780,000 Automobiles</p>	OR	 <p>2,670,000 Acres of Trees</p>
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Removing the Annual Emissions of More Than 1.7 Million

Planting More Than 2.6 Million Acres of Trees

Cogeneration flexibility with ethanol customers

- Ethanol customer makes the fuel choice
 - NPPD supports the use of biomass as a fuel source for cogeneration!
- Ethanol customer chooses the technology provider



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