



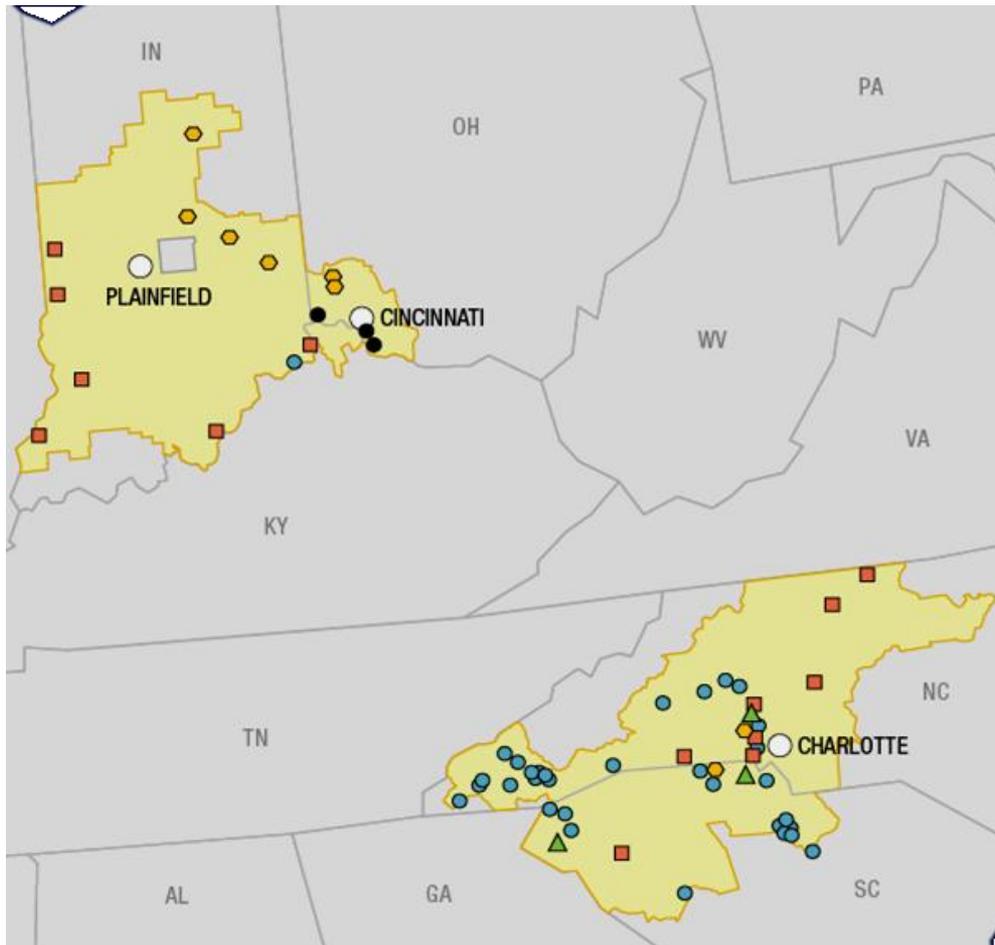
Benton County Wind Farm Panel - Utility Perspective

WIndiana IWWG Conference

June 17th, 2008

Duke Energy Overview

Franchised Territory



- 5 states: North Carolina, South Carolina, Indiana, Ohio and Kentucky
- 47,000 square miles of service area
- ~28,000 MW
- 3.8 million retail electric customers
- 500,000 retail gas customers

Benton County Wind Farm

Utility Project Time Line

- Duke Energy Indiana issued a Request for Proposal for 100 megawatts of renewable energy in November 2005.
- Completed the proposal review, preliminary contract negotiations and regulatory filing in August 2006
- Completion of the regulatory process with final order December 2006
- Construction commenced the Summer of 2007 with commercial wind farm operation April 2008

Three Perspectives of Wind Energy

- Wind Project Siting
 - Stakeholder acceptance
 - Viewshed Issue
- Transmission Access
 - Crucial issue to any power project
 - ISO Review & Evaluation
- Utility Supply Portfolio
 - Adds resource diversity
 - An “as available” energy resource

Wind Project Siting

Midwest Wind Installation

www.nrel.gov/data



Wind Project Siting

Mountain Ridge Wind Installation

www.nrel.gov/data



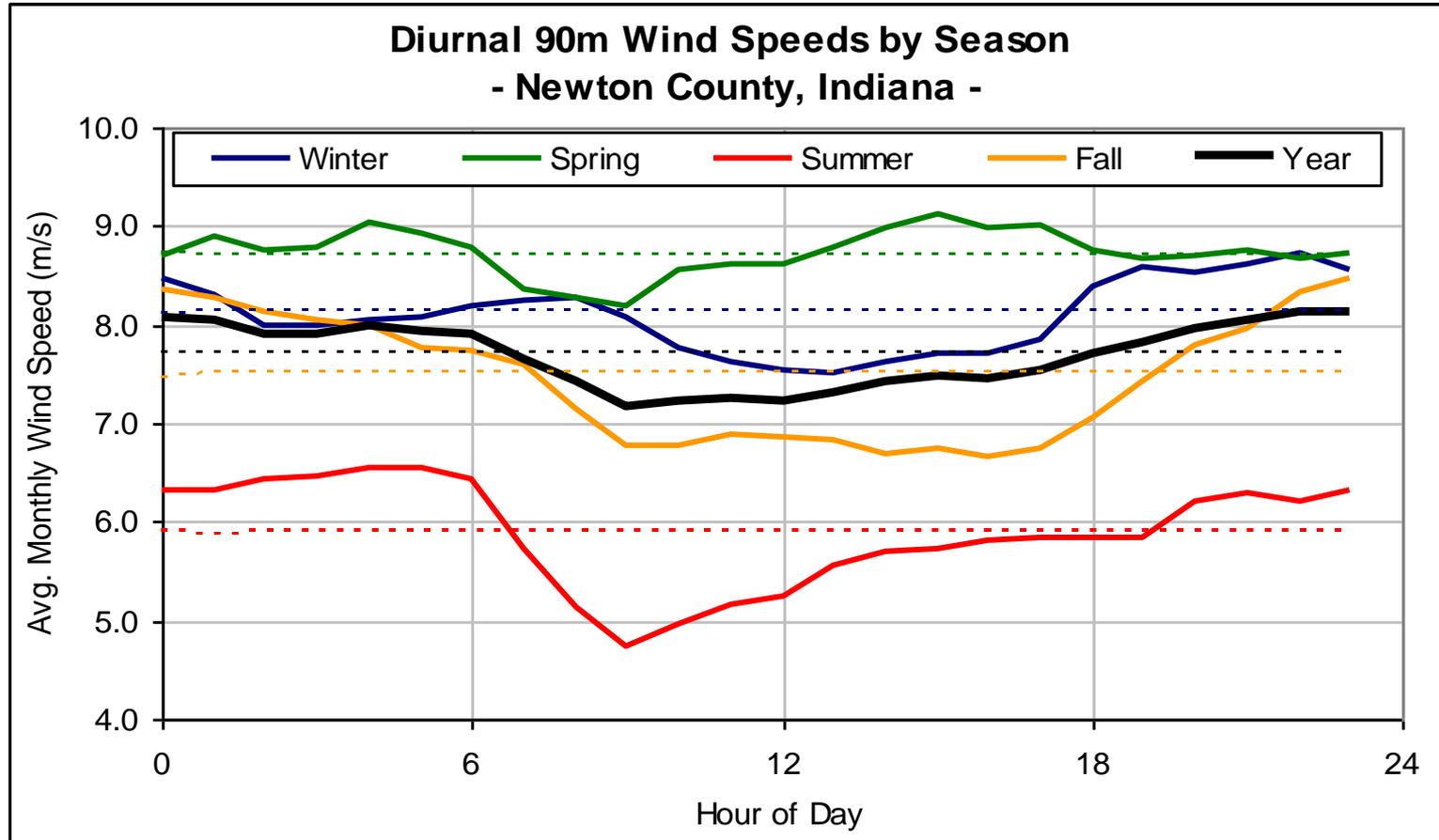
Transmission Access

Interconnection and Impacts

- Transmission Access is becoming a critical project issue across the country.
 - Interconnection access and capacity availability is key to any project
 - Consideration for transmission congestion and line loss
- Responsibility for interconnection study and evaluation lies with the Independent System Operator (ISO).
 - MISO or PJM operate the Indiana transmission system
 - Developers are well aware of the lead time requirements for interconnection studies by the ISO

Utility Supply Portfolio

Wind – an “as available resource”



Summary

Utility Perspective

- Wind development is viewed positively by Indiana communities thus reducing project siting barriers.
- Transmission access is becoming a critical issue in wind project development.
- Wind has many positive qualities, but it lacks the ability to help meet summer peak loads.
- Finally, there has been significant progress in wind development in Indiana since the first Indiana Wind Working Group meeting during the Fall of 2005.