

“GREAT LAKES OFFSHORE WIND TECHNICAL GATHERING”

Potential Offshore Impacts and Permitting Panel

Discussion of
Offshore Impacts: Human, Biological, and Physical

Wyndham Hotel – Toledo, Ohio

April 4, 2006

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Engineers
Scientists
Consultants

April 4, 2006

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- Project Description
- Evaluation of Potential Human Impacts – Visual Resource Studies
- Evaluation of Potential Biological Impacts – Avian Resource Studies
- Evaluation of Potential Physical Impacts – Transportation Studies
- Other Studies of Interest
- Summary

PROJECT DESCRIPTION SUMMARY

- 130 Wind Turbines, Producing up to 468 MW of Emission Free Power
- Grid Spacing of Approximately 1/2 by 1/3 mile
- 246 Feet Hub Height, 417 Feet Height (at the blade tip)
- No Prohibition of Watersheet Uses
- Decommissioning Plan

- Viewshed Reconnaissance
- Selection of Viewpoints for Visual Simulations
- Visual Simulation Methodology
- Historic Structures and Districts
- Visual Impact Assessment
- Mitigation

- Literature Reviews
- Land, Boat and Airplane Surveys
- Radar Studies
- Collision Risk Evaluations
- Population Viability Analyses
- Assess Disturbance from Wind Park and Vessel Traffic

| PHYSICAL IMPACTS - TRANSPORTATION

- Agency Consultations - FAA, USCG, MASS HWY, Local DOT
- Aeronautical Study – Determination of No Hazard to Air Navigation
- Navigational Risk Assessment
- Collision Risk for Shipping and Recreational Boating
- Search and Rescue Operations
- Submarine Cable Installation

- Fisheries – Potential Economic Impact
 - Agency data for federally licensed boats
 - Agency data for state licensed boats
 - Applicant-developed survey of commercial and recreational fisherman
 - GIS application for locations of fishing effort
 - Developing a range of potential economic impact

- Significant scientific information has been compiled & issued
- Thus far, no significant negative impacts determined
- Project continues to move FORWARD through the regulatory process

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