

# Timeline for Analysis and Roles

## Wind Zone Designation Timeline

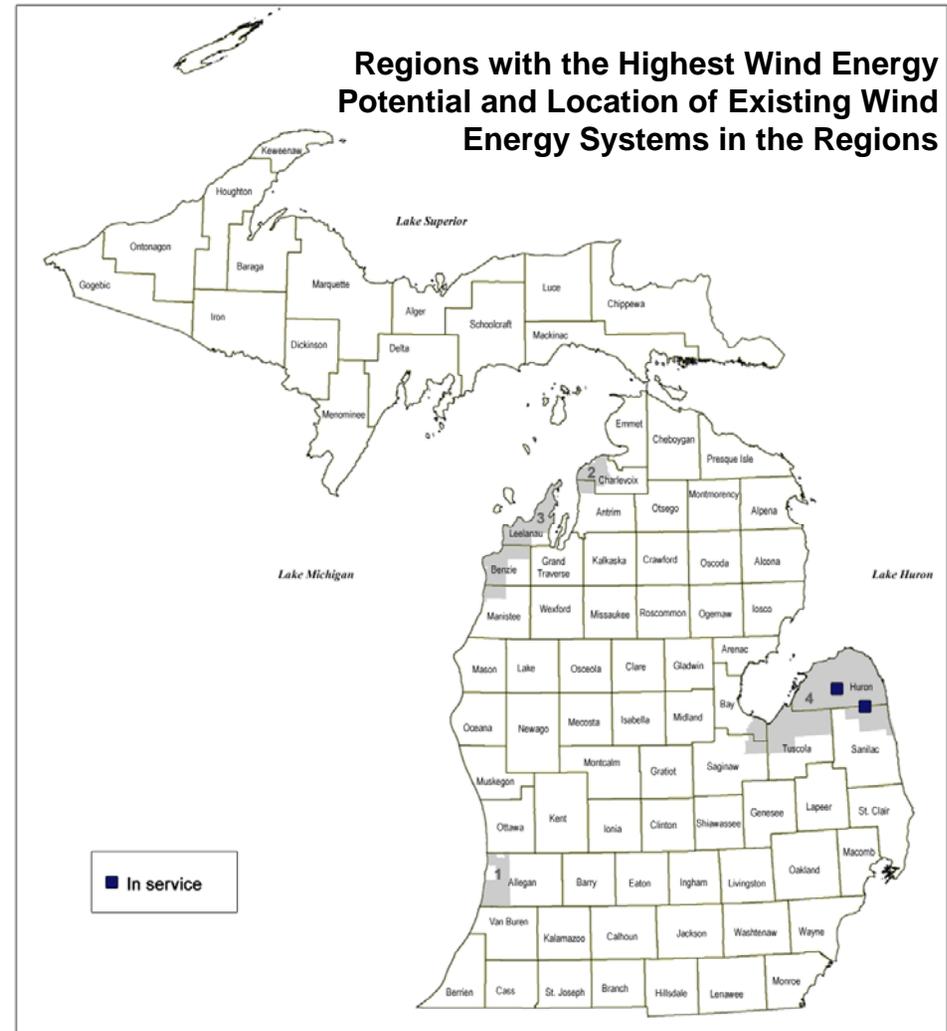


## Roles Related to Wind Energy Zone Planning and Designation

|   |   |
|---|---|
| Wind Energy Resource Zone Board             | Conduct studies and issue proposed and final reports identifying the regions in the state with highest wind potential<br>Accept comments from local governments and hold at least one public hearing prior to issuing a final report  |
| Local governments                           | Consult with the WERZ Board and provide comments on the board's proposed report; carry out any existing duties and authorities for local siting of wind turbines  |
| MPSC  | Designate one or more wind zones in the state; represent the state in RTO transmission planning processes; review and approve applications for an expedited transmission siting certificate; provide report to legislature on the effect of setback requirements and noise limitations under local zoning or other ordinances after holding public hearings in various parts of the state to receive public input |
| Transmission owners and electric utilities* | Identify transmission infrastructure to deliver wind energy production potential from identified regions  |
| Regional transmission organizations (RTOs)  | Review proposed transmission facilities and facilitate related stakeholder processes under FERC-approved tariff   |
| Public and other stakeholders               | Provide comments as part of the board's public hearing(s), MPSC processes,** and RTO stakeholder processes  |

# Selection Process and Regional Map

- These tiers were established using a statistical method to group together townships with similar characteristics in terms of the wind potential.
- The board selected only those clusters of townships that were in the top tier out of five tiers total.
- The board also included within the region the adjacent townships that were in the second tier (i.e., next highest) and an additional ring of adjacent townships beyond that (to account for potential error in the wind speed data).



# Regional Power Estimates

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Estimated Minimum and Maximum Number of Turbines, Capacity, and Annual Energy Production, by Identified Region

| Region       | Counties                                      | Minimum            |               |                               | Maximum            |               |                               |
|--------------|---|--------------------|---------------|-------------------------------|--------------------|---------------|-------------------------------|
|              |   | Number of turbines | Capacity (MW) | Annual energy potential (MWh) | Number of turbines | Capacity (MW) | Annual energy potential (MWh) |
| 1            | Allegan                                       | 166                | 249           | 747,938                       | 296                | 445           | 1,338,415                     |
| 2            | Antrim<br>Charlevoix                          | 109                | 163           | 470,062                       | 195                | 292           | 841,164                       |
| 3            | Benzie<br>Leelanau<br>Manistee                | 435                | 652           | 1,991,679                     | 778                | 1,167         | 3,564,058                     |
| 4            | Huron<br>Bay<br>Saginaw<br>Sanilac<br>Tuscola | 1,578              | 2,367         | 6,723,472                     | 2,824              | 4,236         | 12,031,477                    |
| <b>TOTAL</b> |   | <b>2,288</b>       | <b>3,431</b>  | <b>9,933,151</b>              | <b>4,093</b>       | <b>6,140</b>  | <b>17,775,114</b>             |

**STATE OF MICHIGAN  
DEPARTMENT OF ENERGY, LABOR & ECONOMIC GROWTH**

**MICHIGAN PUBLIC SERVICE COMMISSION  
WIND ENERGY RESOURCE ZONE BOARD**

**August 24, 2009  
11 a.m.**

**Meeting Location:**

Huron County Expo Center  
170 West Soper Road  
Bad Axe, MI 48413

**AGENDA**

- I. Welcome and Introductions.
- II. Overview of the Board's proposed report.
- III. Public comments.

Each commenter will have 3 minutes to present comments and will be invited to comment based on the order of names on the sign-in sheet. Additional commenters may comment after those indicating a desire to comment on the sign-in sheet have completed their comments.

Wind Energy Resource Zone Board Website: [www.michigan.gov/windboard](http://www.michigan.gov/windboard)