



Highlights From Recent MPSC Reports

Michigan Wind Working Group
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MICHIGAN PUBLIC SERVICE COMMISSION

Two New MPSC Annual Reports

- **February 15** - Report on the Implementation of the PA 295 Renewable Energy Standard and the Cost-Effectiveness of the Energy Standards
- **March 7** – Report on the Implementation of the PA 295 Wind Energy Resource Zones
- www.michigan.gov/rendocs



RPS Annual Report

- Includes data provided in 74 electric provider annual reports for 2009
- Information provided as part of renewable energy contract review and approval cases through 2010
 - 30 renewable energy contracts approved

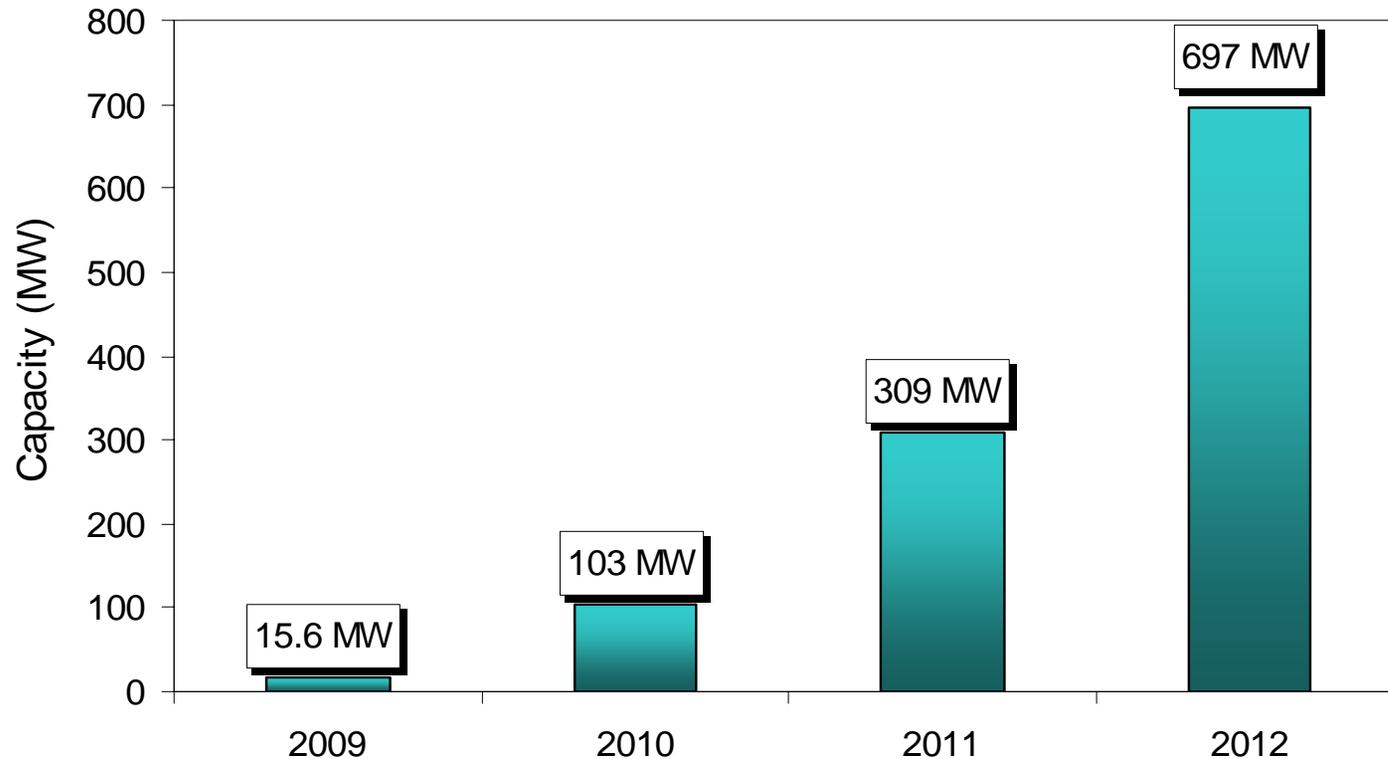


Average Levelized Contract Prices

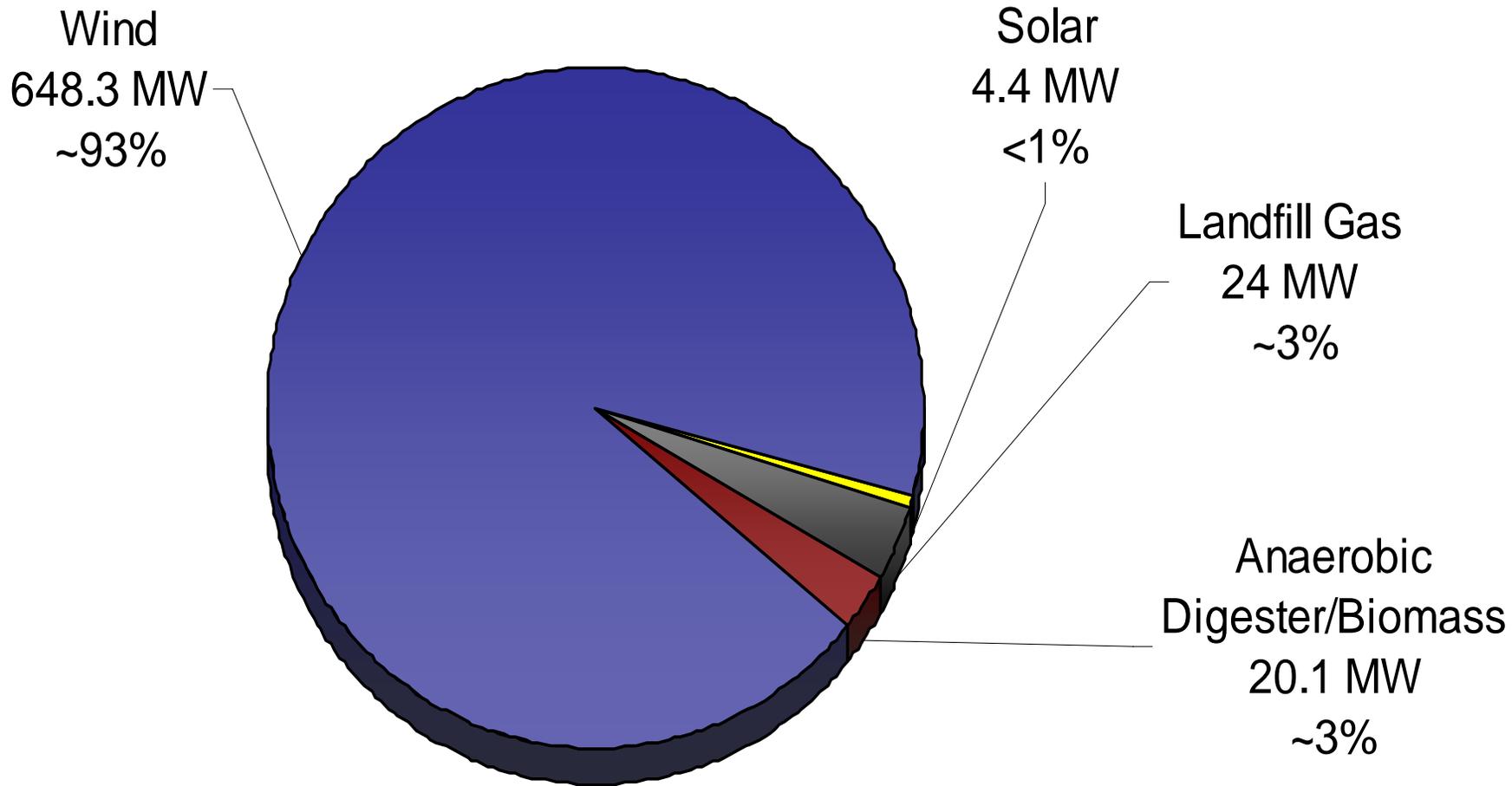
Consumers Energy					
Technology	Wind	Anaerobic Digester	Biomass	Landfill Gas	Hydro
Average	\$98.83	\$128.14	--	\$127.53	\$143.50
Detroit Edison					
Technology	Wind	Anaerobic Digester	Biomass	Landfill Gas	Hydro
Average	\$104.72		\$98.94	\$98.97	--
Combined Average	\$101.78	\$128.14	\$98.94	\$113.25	\$143.50



Cumulative New Renewable Energy Capacity and Commercial Operation Dates

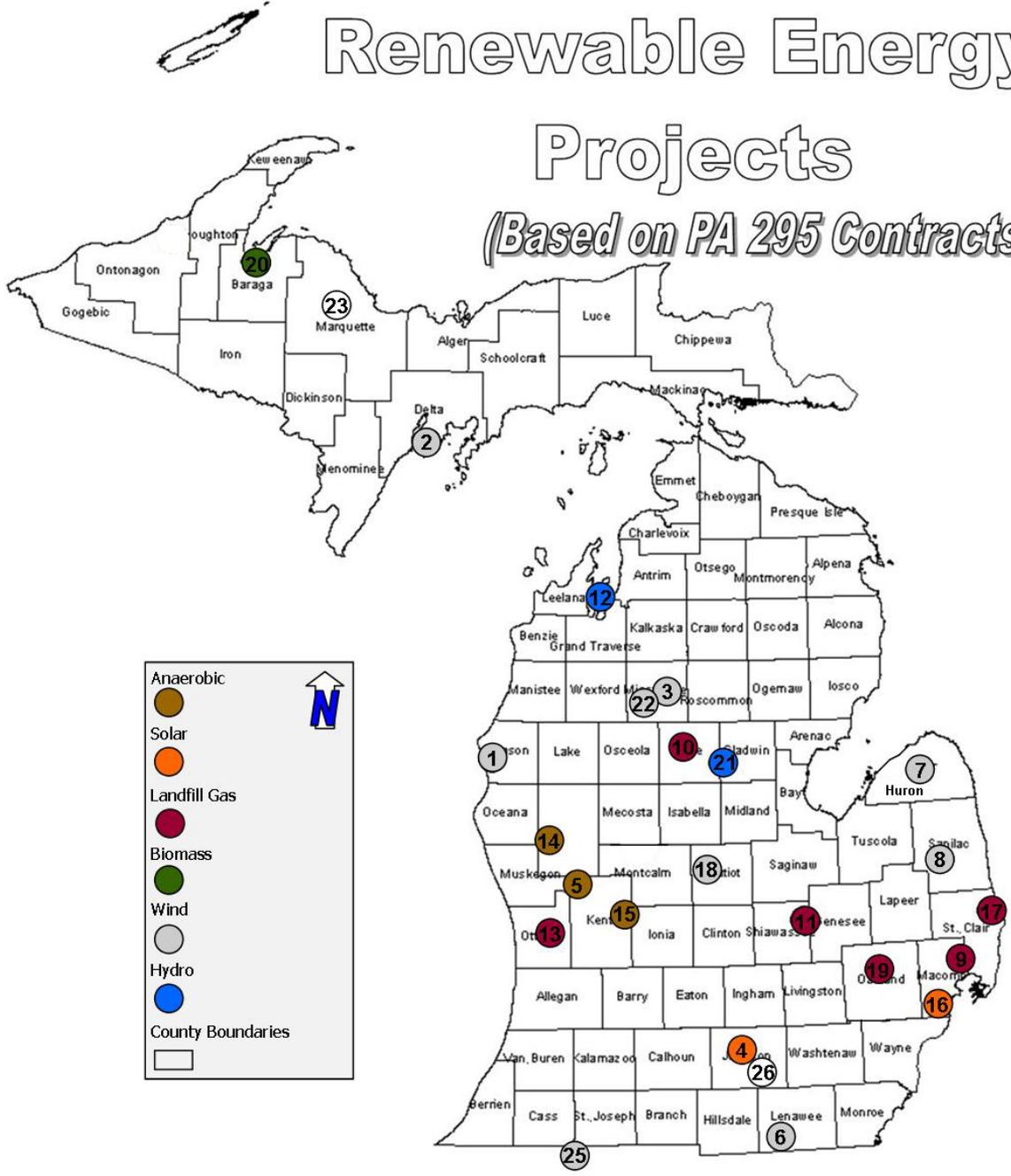


New Capacity (MW) by Technology



Renewable Energy Projects

(Based on PA 295 Contracts)



Wind Zone Report

- ...“summarizing the impact of establishing wind energy resource zones, expedited transmission line siting applications, estimates for future wind generation within wind zones, and recommendations for program enhancements or expansion.”

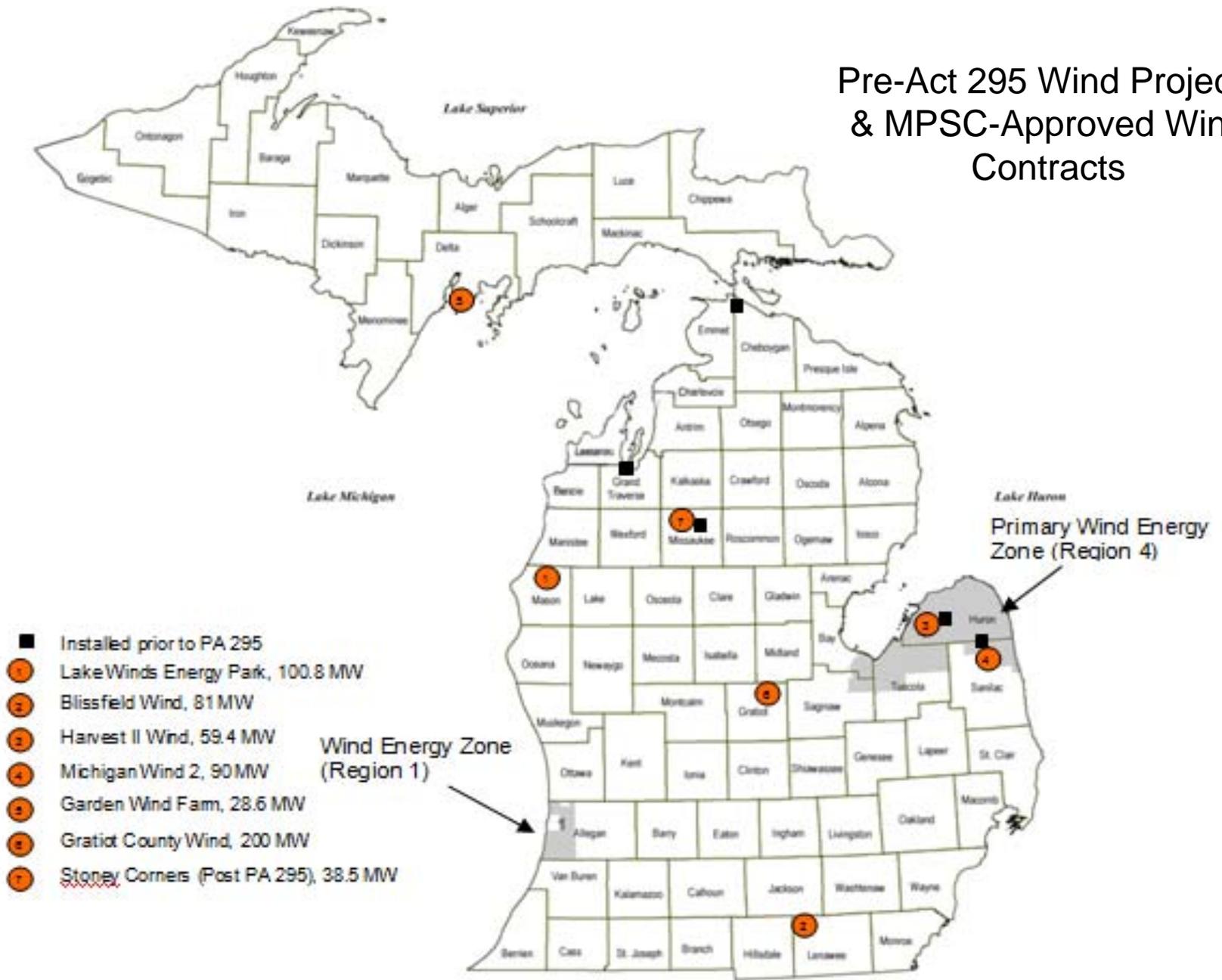


Estimated Minimum and Maximum Number of Turbines, Capacity, and Annual Energy Production, by Identified Region

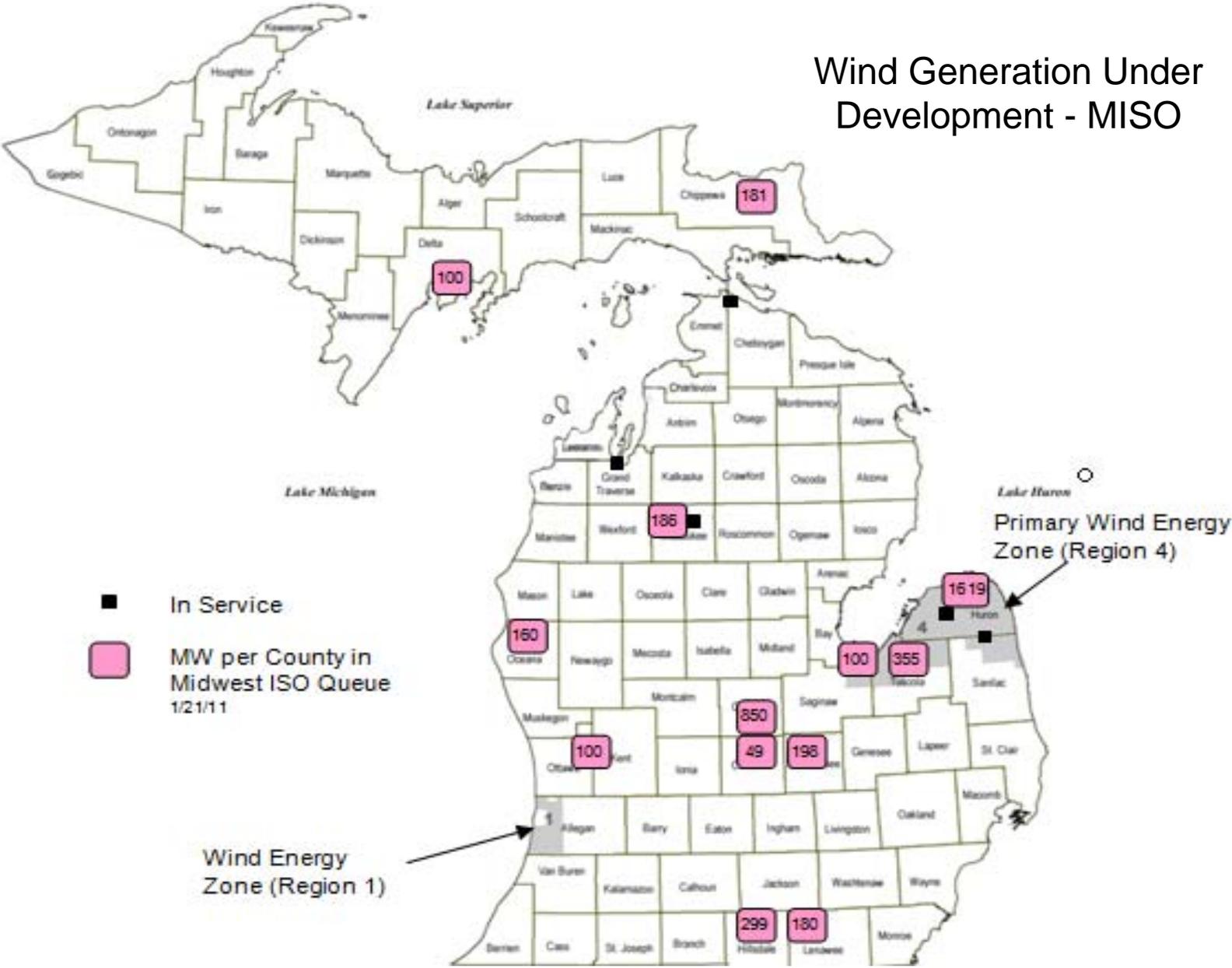
Region	Counties	Minimum			Maximum		
		Number of turbines	Capacity (MW)	Annual energy potential (MWh)	Number of turbines	Capacity (MW)	Annual energy potential (MWh)
1	Allegan	166	249	747,938	296	445	1,338,415
2	Antrim Charlevoix	102	153	439,555	183	274	786,572
3	Benzie Leelanau Manistee	435	652	1,991,679	778	1,167	3,564,058
4	Huron Bay Saginaw Sanilac Tuscola	1,578	2,367	6,723,472	2,824	4,236	12,031,477
TOTAL		2,281	3,421	9,902,644	4,081	6,122	17,720,522

SOURCE: Research and findings from Michigan State University Land Policy Institute, 2009, prepared for WERZ Board.
 NOTE: These estimates are based on the board's base-case analysis described in the Methodology section and assume a 1.5-megawatt (MW) wind turbine with a hub height of 80 meters. The MW capacity is calculated by multiplying the nameplate capacity of the wind turbine times the number of estimated turbines. The annual energy production in megawatt hours (MWh) is the amount of energy that these turbines are expected to produce over the year, taking into account variability in wind speeds and other factors.

Pre-Act 295 Wind Projects & MPSC-Approved Wind Contracts



Wind Generation Under Development - MISO





Questions?

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