



# MICHIGAN PUBLIC SERVICE COMMISSION



MPSC Update

**Michigan Wind Working Group Meeting  
October 12, 2011**

**Julie Baldwin  
Renewable Energy Section Manager  
Michigan Public Service Commission**

**[baldwinj2@michigan.gov](mailto:baldwinj2@michigan.gov)**

**517 241-6115**

# MPSC News

---

- Governor Snyder appointed John D. Quackenbush as our new Chairman effective October 17



MICHIGAN PUBLIC SERVICE COMMISSION

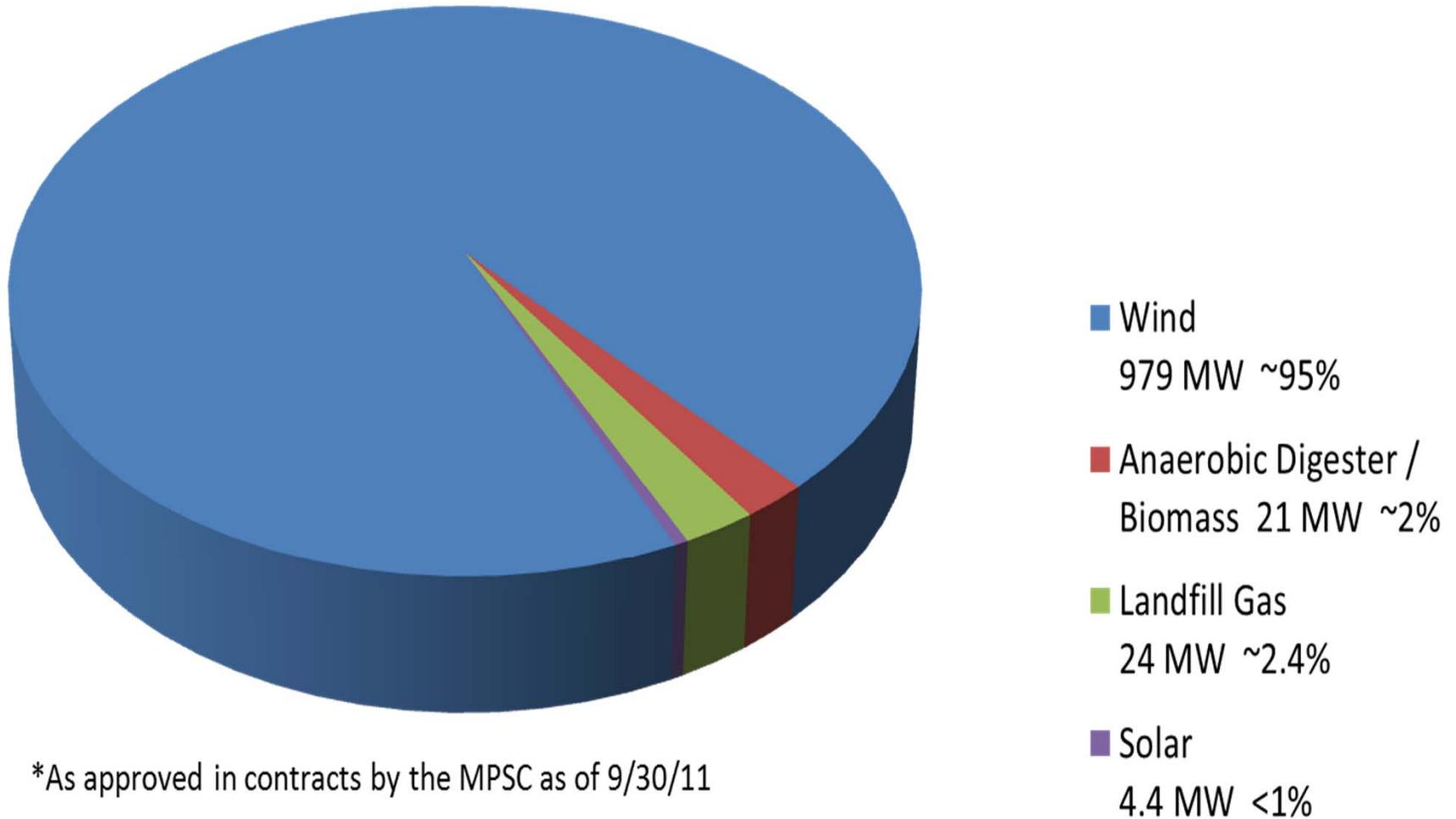
# MPSC News

---

- MPSC office building basement flooding update
  - Phone and email are working as usual



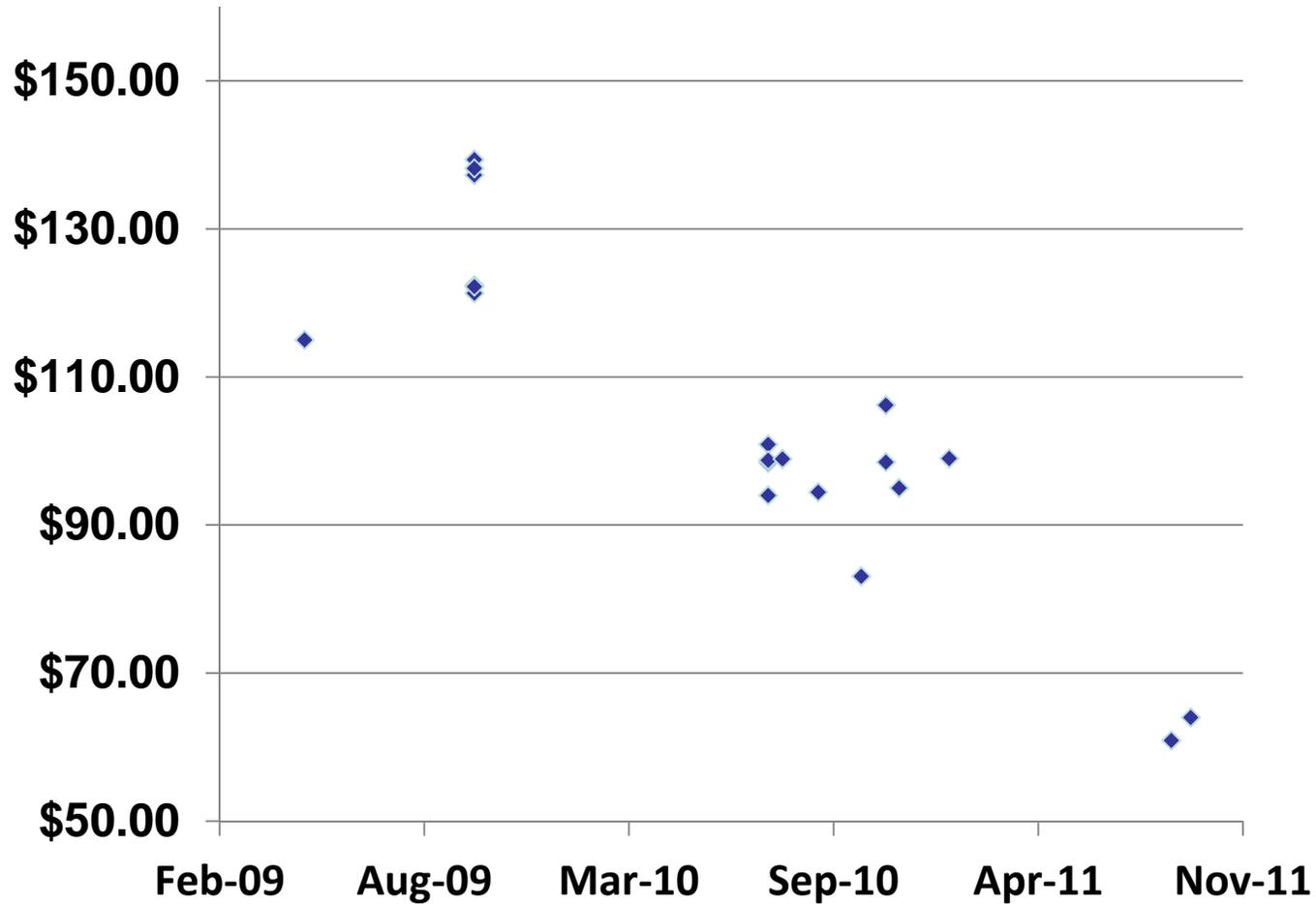
## New Capacity (MW) by Technology



\*As approved in contracts by the MPSC as of 9/30/11

All MW expected to be operational by 12/31/12

# Levelized Cost (\$/MWh) of MPSC Approved Renewable Energy Contracts Over Time

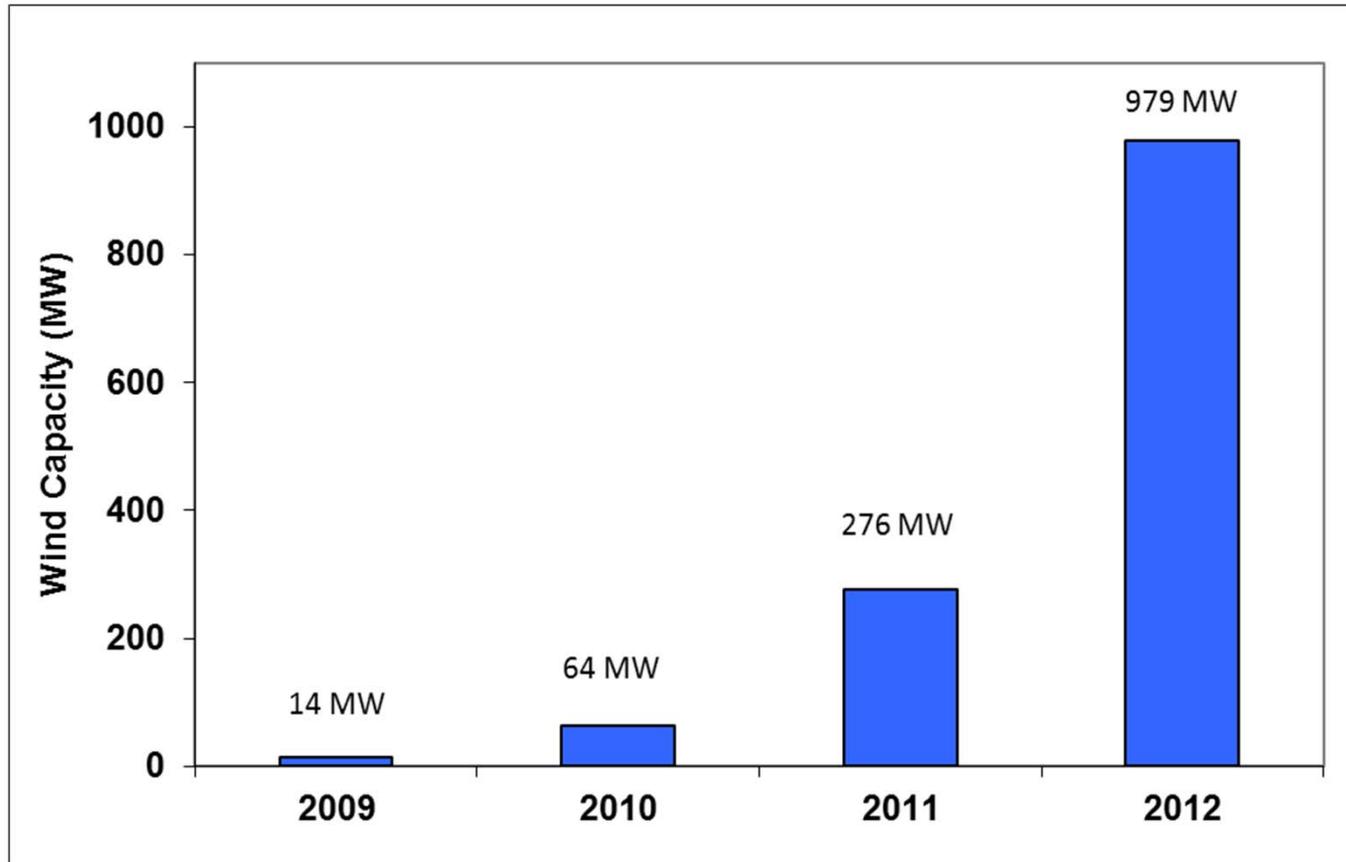


MICHIGAN PUBLIC SERVICE COMMISSION



# Cumulative New Wind Capacity

---



MICHIGAN PUBLIC SERVICE COMMISSION

# Michigan

## Utility Scale Wind Farms\*

Project Name	County	Capacity (MW)	Turbine Size (MW)	Number of Turbines	Turbine Manufacturer	Developer/Owner	Power Purchaser	Commercial Operation Date
Blissfield	Lenawee	81	Unknown			Exelon & Great Lakes Wind	Consumers Energy	Expected 2012
Cross Winds	Expected Tuscola & Huron	150	Unknown			Consumers Energy	N/A	Expected 2014
Garden I	Delta	28.6	Unknown			Heritage Sustainable Energy	Consumers Energy	Expected 2012
Gratiot County	Gratiot	110.4	1.6	69	GE Energy	Invenergy	Detroit Edison	Expected 2011
Gratiot County	Gratiot	102.4	1.6	64	GE Energy	Detroit Edison	N/A	Expected 2011
Harvest	Huron	52.8	1.65	32	Vestas	Exelon	Wolverine Power Cooperative	2008
Harvest II	Huron	59.4	Unknown			Exelon	Consumers Energy	Expected 2012
Lake Winds	Mason	100.8	1.8	56	Vestas	Consumers Energy	N/A	Expected 2012
Laker Elementary	Huron	0.2	0.067	3	Nordtank		Laker Elementary	2006
	Mackinaw						Consumers	

# Improving the Integration of Wind Generation

---

- **ERGIS – Eastern Renewable Generation Integration Study initiated by NREL, September 2011.**
  - **Objectives**
    - **Explore grid planning and operations with significant renewable generation in an uncertain future.**
    - **Build on earlier studies, such as EWITS, ask new questions, examine stakeholder concerns.**
  - **Study expected to take 18 months**

<http://wind.nrel.gov/public/ergis/>



MICHIGAN PUBLIC SERVICE COMMISSION

# Questions?

---

Julie Baldwin

[baldwinj2@michigan.gov](mailto:baldwinj2@michigan.gov)

517 241-6115

[www.michigan.gov/renewables](http://www.michigan.gov/renewables)

Join the MREP Email Distribution List  
(MPSC-MREP), from link at  
[www.michigan.gov/mrep](http://www.michigan.gov/mrep)



MICHIGAN PUBLIC SERVICE COMMISSION