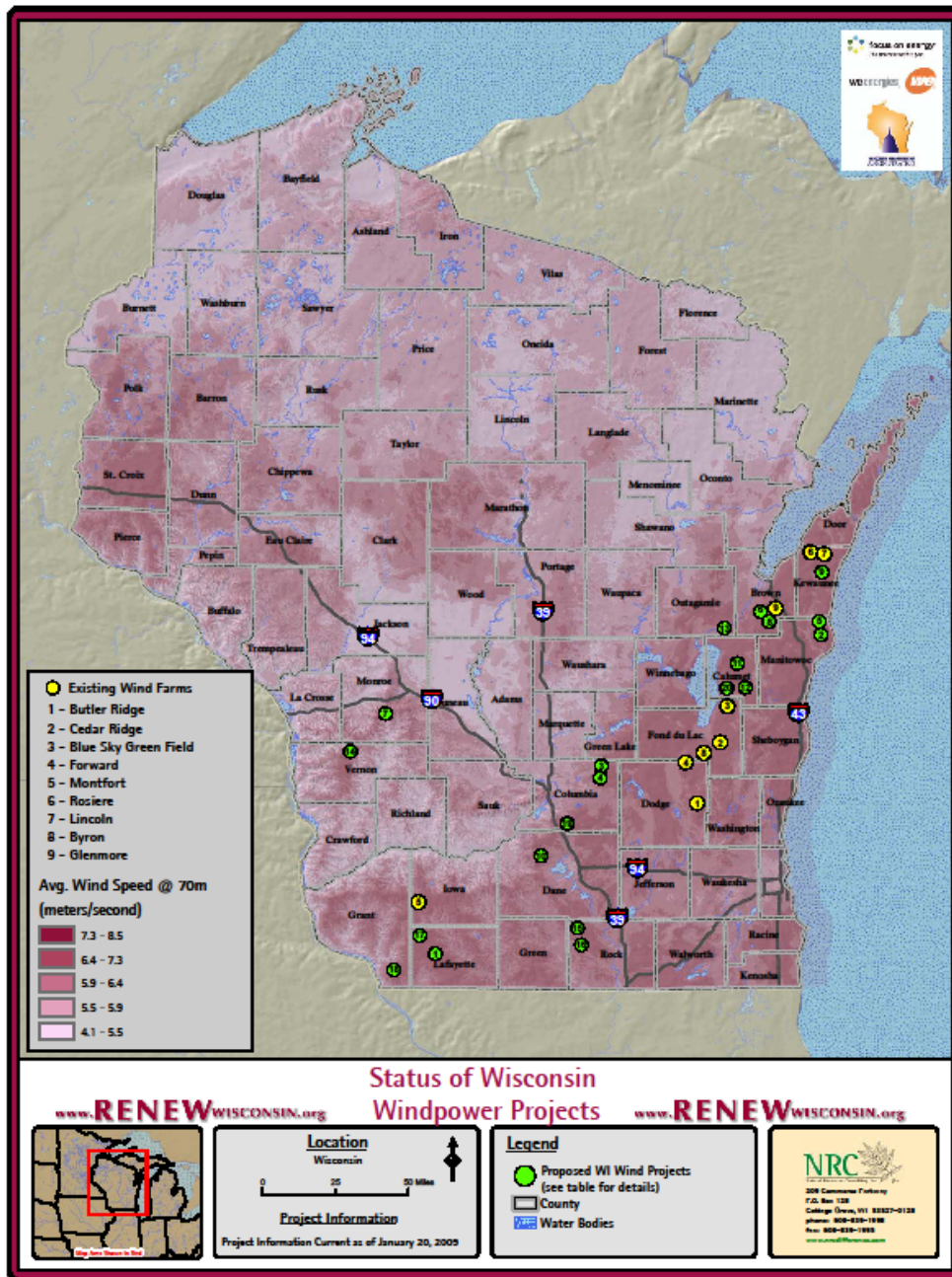


# Windpower in Wisconsin: The Permitting Crisis

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**April 2009**

**www.RENEW**WISCONSIN.org



Q. Where are the wind projects in Wisconsin located?

A. The majority are located near the load centers of eastern Wisconsin, in Fond du Lac and Dodge counties

# Wind Projects - Class of 2008/2009

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<b>Project</b>	<b>MW/WTG</b>	<b>Owner</b>	<b>Utilities Served</b>
Blue Sky Green Field	145/88	We Energies	We Energies
Forward	129/86	Invenergy	WPS, WPPI, MGE, WPL
Cedar Ridge	68/41	Alliant-WPL	Alliant-WPL
Butler Ridge	54/36	Babcock & Brown	WPPI
<b>Total</b>	<b>396/251</b>		

# Revenues to Local Economy - Governments

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<b>Project</b>	<b>Towns</b>	<b>Counties</b>	<b>Annual Payments</b>
Blue Sky Green Field	Marshfield, Calumet	Fond du Lac	\$580,000
Forward	Byron, Oakfield, Leroy, Lomira	Fond du Lac, Dodge	\$532,000
Cedar Ridge	Eden, Empire	Fond du Lac	\$272,000
Butler Ridge	Herman	Dodge	\$216,000
<b>Total</b>			<b>\$1,584,000</b>

# Revenues to Local Economy - Landowners

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<b>Projects</b>	<b>MW</b>	<b>Annual Payments to Landowners</b>
Blue Sky Green Field	145	\$725,000
Forward	129	\$645,000
Cedar Ridge	68	\$340,000
Butler Ridge	54	\$270,000
<b>Total</b>	<b>396</b>	<b>\$1,980,000</b>

Assumes \$5,000 per turbine per year

# Revenues to Local Economy - Total

Project	Governments	Landowners	Combined Payments
Blue Sky Green Field	\$580,000	\$725,000	\$580,000
Forward	\$532,000	\$645,000	\$532,000
Cedar Ridge	\$272,000	\$340,000	\$272,000
Butler Ridge	\$216,000	\$270,000	\$216,000
<b>Total</b>	<b>\$1,584,000</b>	<b>\$1,980,000</b>	<b>\$3,564,000</b>

# Other States Are Benefiting from Wisconsin's RES

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By 2010, more than one-half of the wind energy serving Wisconsin utilities will come from neighboring states.

<u>Projects</u>	<u>Year</u>	<u>MW</u>	<u>WI Utilities</u>
Top of Iowa 2	'08	80	WPPI, MGE
Top of Iowa 3*	'08	30	MGE
Endeavor 2 (IA)	'08	50	MGE
Barton (IA)	'09	80	WPPI
Crane Creek* (IA)	'09	99	WPS*
Bent Tree* (MN)	'10	200	WP&L*

Utility-owned

# Question No. 1

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Why are so many wind projects serving WI utilities located out of state?

# Two Reasons Stand Out

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1. The wind resource is stronger in states to our west, which reduces the per/MWH cost of development.
2. It is proving exceptionally challenging to secure a permit to build wind projects in Wisconsin, especially those under 100 MW.

# A Tale of Two Projects

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**Crane Creek**, a 99 MW project located in Iowa that Green Bay-based WPS will own, was permitted in late 2007 and will be operating by 12/31/09.

**Twin Creeks**, a 98 MW project located in Manitowoc County in WPS territory, received a permit in early 2005. Due to a combination of litigation and ordinance changes, ground was never broken. Under the current ordinance, it is highly unlikely that the Twin Creeks project will be built, even though it has a permit.

# If Twin Creeks Is Not Built ...

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## Consequences

Local governments lose \$392,000/year in future revenues.

Local landowners lose \$490,000/year in future rents.

A local component manufacturer loses a 98 MW order to build towers

Construction jobs are outsourced to Iowa.

# Who Permits Wind Projects?

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**Public Service Commission of  
Wisconsin**

<-----100 MW----->

**Local Jurisdictions**

# Solar and Wind Siting Law

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## State Statute 66.0401

No county, city, town or village may place any restriction, either directly or in effect, on the installation or use of a solar energy system or a wind energy system unless the restriction satisfies one of the following conditions:

- ✓ Serves to preserve or protect the public health and safety.
- ✓ Does not significantly increase the cost of the system or decrease its efficiency.
- ✓ Allows for an alternative system of comparable cost and efficiency.

# Projects Blocked by Local Opposition

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<b>Projects</b>	<b>MW</b>	<b>County</b>
Twin Creeks	98	Manitowoc
Mishicot	19	Manitowoc
Stony Brook	80	Calumet
Ecomet	80	Calumet
New Holstein	6	Calumet
Summit Ridge	75	Monroe
White Oak	99	Grant
Evansville	5	Rock

# Question No. 2

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When was the last time a local government approved a permit application to build commercial wind turbines?

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**Answer:** March 26, 2007

On that date, the Town of Glenmore in Brown County approved Emerging Energy's application to build and operate eight turbines.

# What Are a Developer's Current Options?

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- 1) Get Big – Expand project to >100 MW and obtain a CPCN from the PSC
  - Rely on agency's pre-emptive authority
  - Expensive and time-consuming
  - Reasonable probability of success
  - Only a handful of locations can accommodate 60 turbines
  
- 2) Get Out of Wisconsin

# What SB 185 Would Do

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- 1) Require PSC to establish, by rule, uniform siting standards (similar to the state's livestock operation siting law), covering:
  - ✓ Setbacks
  - ✓ Sound levels
  - ✓ Shadow flicker
  - ✓ Studies and testing requirements
  
- 2) Create process for appealing local decisions to PSC (also similar to the livestock facility siting law)

# For More Information

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