

A photograph of a construction site showing a large area of rebar grid laid out on a prepared surface. Several construction workers in high-visibility vests and hard hats are visible, some standing near a concrete pump truck. The background shows a large excavation site with earthen walls and a cloudy sky.

*** Wind Working Group
Michigan Public Service
Commission**

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Presented by:

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Construction on August 16, 2011

First turbine erected



Invenergy Project: Gratiot County Wind, LLC.

* Greater Gratiot Development, Inc.

* 501C-3 “foundation”

* Incorporated in 1978 as a public/private partnership to work collaboratively to manage economic development in Gratiot County

* Mission Statement:

To retain, expand and attract business and industry, and to participate in activities which enhance the economic climate within the Gratiot Community

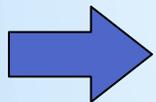
* Corporate Structure

The GGDI “umbrella”

- * Utilize legislated corporate structures as economic development tools - NOT separate organizations of economic development activity
- * Economic Development Corp. - 1978
- * SBA 503 - 1980
- * Hospital Finance Authority - 1998
- * Brownfield Redevelopment Corp. - 1998

* Process to Collaboration

- * **1991-1st County wide Strategic Plan**
 - * 3 plans and several iterations of each
 - * Very successful/ gives “permission” and provides model for norms
- * **February 2007 -Alma/St. Louis/Pine River Twp. Agreement**
 - * Agreement for infrastructure development and annexation
- * **2008 - County Wide Master Planning begins**
 - * Initiated by Alma, St. Louis and Pine River Twp. after initial development, infrastructure and annexation agreement
 - * Other municipalities join the process
 - * LIAA grant applied for JAN received MAY - \$65,000



Wind development 1st major opportunity

From the community perspective...

*** What's necessary to have a VIABLE wind opportunity?**

1. Wind

2. Land owner participation

3. Some place to "Plug In"

4. Amenable regulatory structure

* Wind Development

- * Education with community
 - * MSU Extension
 - * Gratiot County Farm Bureau
 - * Potential Developers

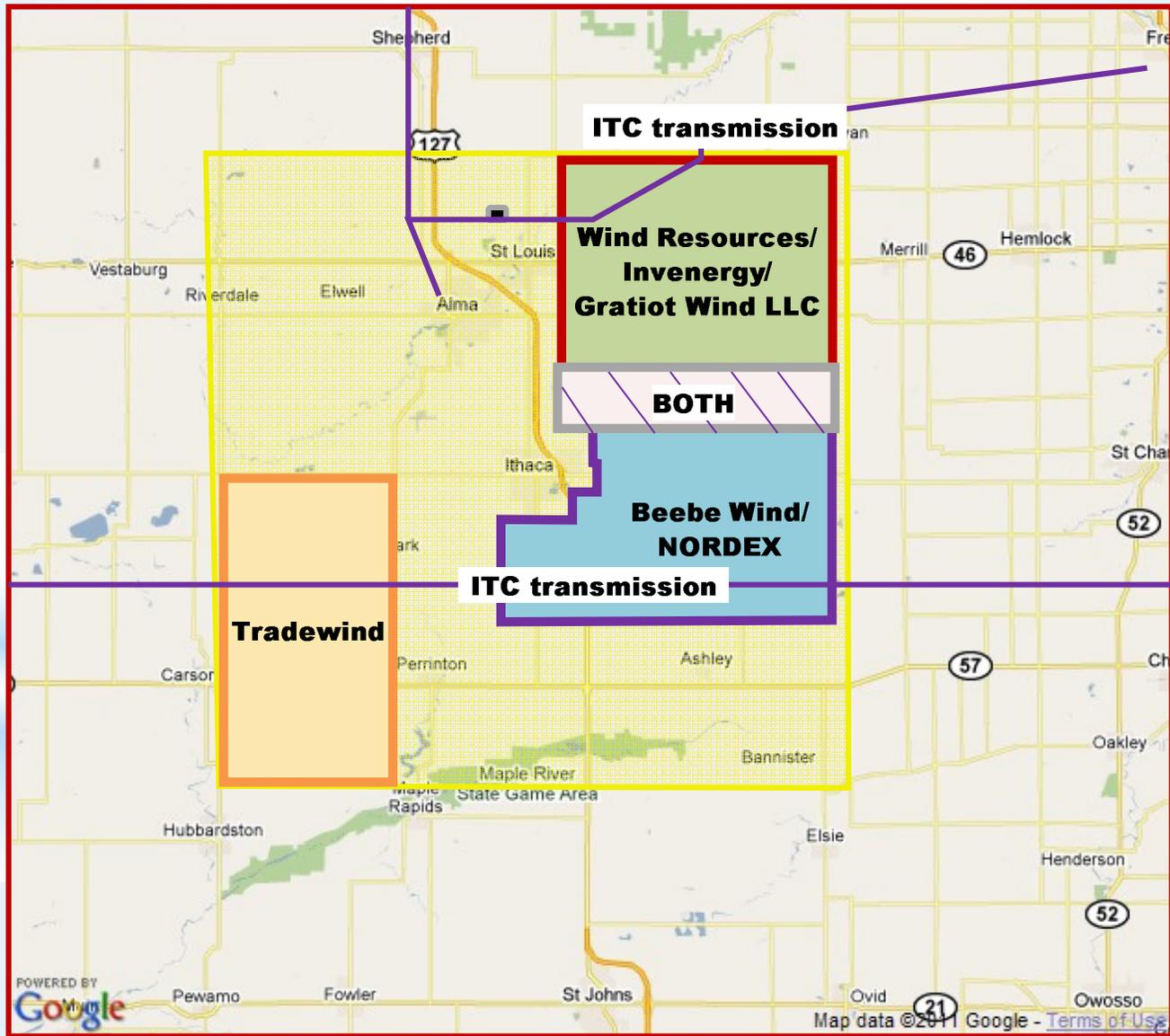
- * Wind ordinance negotiated with all interested municipal parties participating

- * County “model” ordinance - May 5th 2009
 - * Zoned townships follow

- * 3 Projects emerge from process

- * Special use permits
 - * Spicer Engineering hired for permitting and planning coordination
 - * County Planning Commission leads the way
 - * Individual townships follow





* Wind Development Areas

Invenergy

Project Name: Gratiot County Wind LLC

Early Stage Development: Wind Resource LLC

- * Land owner leases: +/- 250 families in lease pool
- * Special Use Permit - issued March 2010
- * Public Service Commission approval of Power Purchase Agreement with DTE Energy - September 2010
- * 133 Wind Turbines
- * Investment: +/- \$450 million
 - * Stated public estimate
- * Initiated Construction: April 2011
- * Invenergy is the first tenant in the Breckenridge Industrial & Technology Park (located on M46)



Early Stage Development: Beebe Community Wind LLC

- * Land owner leases: in process
- * Special Use Permit passed: January 2011
- * Replying to RFP(s) for Power Purchase Agreements
- * 100-115 Wind Turbines proposed
- * Investment: +/- \$500 million
 - * Stated public estimate



- * Land owner leases: in process
- * Special Use Permit passed: February 2011
- * Replying to current RFP(s) for Power Purchase Agreement
- * 80-100 Wind Turbines purposed/estimated
- * Investment: not started

*Community Benefits

*Direct economic benefits

- * Construction Jobs

- * Local Taxes

- * Permanent Jobs

- * Royalty payments

*Indirect economic benefits

- * Spin-off Jobs (1.46:1)

- * Leveraged investment for Breckenridge Technology Park





Questions?

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