

**Zeeland Board of Public Works
Renewable Energy Plan Annual Report for 2009
MPSC Case No. U-15888**

SECTION 1: PA 295 SECTION 51 SUBSECTIONS 1-3 REQUIREMENTS

Section 51. (1) By a time determined by the commission, each electric provider shall submit to the commission an annual report that provides information relating to the actions taken by the electric provider to comply with the renewable energy standards. By that same time, a municipally-owned electric utility shall submit a copy of the report to the governing body of the municipally-owned electric utility, and a cooperative electric utility shall submit a copy of the report to its board of directors.

During 2009 Zeeland BPW installed 2 – 50 KW wind turbines manufactured by Entegrity Wind Systems. These are estimated to supply approximately 85,000 kwh each per year. They are connected directly to our distribution system and began production in March, 2009. These will supply less than 1% of the system needs.

Additionally, in August, 2008 we signed a purchase power agreement with North American Natural Resources to purchase the entire output of their landfill gas generation plant, known as Autumn Hills. We began receiving power in August, 2009. Plant capacity started with 0.8 MW and is planned to reach full capacity of 4.0 MW by 2012. It is estimated this will be 9-10% of our system load.

(2) An annual report under subsection (1) shall include all of the following information:

(a) The amount of electricity and renewable energy credits that the electric provider generated or acquired from renewable energy systems during the reporting period and the amount of renewable energy credits that the electric provider acquired, sold, traded, or otherwise transferred during the reporting period.

Electricity	Renewable Energy Generated or Acquired Including Michigan Incentive RECs	RECs Sold, Traded or Otherwise Transferred
MWh	RECs	RECs
1510	1660	0

(b) The amount of electricity that the electric provider generated or acquired from advanced cleaner energy systems pursuant to this act during the reporting period.

Electricity	Advanced Cleaner Energy Credits Generated or Acquired	ACECs Sold, Traded or Otherwise Transferred
MWh	ACECs	ACECs

(c) The capacity of each renewable energy system and advanced cleaner energy system owned, operated, or controlled¹ by the electric provider, the total amount of electricity generated by each renewable energy system or advanced cleaner energy system during the reporting period, and the percentage of that total amount of electricity from each renewable energy system that was generated directly from renewable energy.

For reporting purposes, the Project Names used in this report should match the Project Name used for reporting data to MIRECs (Michigan Renewable Energy Certification System).

Renewable Energy Systems Owned by Electric Provider					
Project Name	System Technology Type	Nameplate Capacity	Electricity Generated	Percentage Generated from Renewable Energy	RECs Generated
		MW	MWh	%	RECs
Helder Park	Wind	0.1	45.3	100	49
Total					

¹ For the purposes of this report, the term “controlled” refers to renewable or advanced cleaner energy systems providing, under contract, RECs or ACECs with or without nameplate capacity or energy.

Advanced Cleaner Energy Systems w/ACECs Purchased Under Contract					
Project Name	Source	Electricity Generated	Percentage Generated from Advanced Cleaner Energy	ACECs Generated	Is This an ACEC-Only Contract?
		MWh	%	ACECs	Y or N
Total					
For ACEC-only contracts, provide Project Name, Source, Electricity Generated, and Percentage Generated from Advanced Cleaner Energy data if available.					

(d) Whether, during the reporting period, the electric provider began construction on, acquired, or placed into operation a renewable energy system or advanced cleaner energy system.²

Renewable Energy Systems					
Project Name	System Technology Type	Nameplate Capacity	Construction Start Date Or Acquisition Date (May be forecast)	Commercial Operation Date (May be forecast)	Is Project Owned by Electric Provider?
		MW			Y or N
Helder Park	Wind	0.1	December 2008	March 2009	Y
Autumn Hills	Landfill Gas	0.8	August 2008	August 2009	N

² Report information for projects owned by the electric provider and projects where the provider is purchasing renewable or advanced cleaner energy credits with or without energy or capacity.

Advanced Cleaner Energy Systems					
Project Name	System Technology Type	Nameplate Capacity	Construction Start Date Or Acquisition Date (May be forecast)	Commercial Operation Date (May be forecast)	Is Project Owned by Electric Provider?
		MW			Y or N

(e) Expenditures made in the past year and anticipated future expenditures to comply with this subpart.

Include all expenditures to be recovered via the revenue recovery mechanism (renewable energy surcharge). Electric providers without a renewable energy surcharge may leave this table blank.

2009 Actual Expenditures*	2010 Anticipated Expenditures*

****This table has been left blank because there is no renewable energy surcharge***

(f) Any other information that the commission determines necessary.

1. Provide the electric provider's retail sales in MWh. Determine the retail sales number using the method (a) or (b) below that corresponds with the method approved by the Commission in the investor-owned electric utility's renewable energy plan:
 - a. The number of weather-normalized megawatt hours of electricity sold by the electric provider during the previous year to retail customers in this state. **For purposes of this calculation, electric providers using this option are directed to provide a forecasted retail sales estimate for 2011.**
 - b. The average number of megawatt hours of electricity sold by the electric provider annually during the previous 3 years to retail customers in this state. **For purposes of this calculation, electric providers using this option are directed to provide a forecasted retail sales average using 2009, 2010 and 2011.**

*used method b for determining Retail Sales (MWh)

1. Retail Sales (MWh)	300,070*
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2. Provide the total available RECs for the electric provider. Include available banked RECs from previous periods, Michigan Incentive RECs and RECs generated/acquired during the reporting period.

2. Total Available RECs	1660
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3. Calculate the electric provider's estimated available renewable energy percentage for the reporting period by dividing the total available RECs (Item number 2 above) by the retail sales (Item number 1 above) and multiplying by 100.

3. Estimated Available Renewable Energy % for Reporting Period	0.55%
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