

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

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In the matter, on the Commission's own motion, )  
regarding the regulatory reviews, revisions, )  
determinations, and/or approvals necessary for ) Case No. U-15850  
the CITY OF CHARLEVOIX to fully )  
comply with Public Act 295 of 2008 )  
\_\_\_\_\_ )

**SUBMITTAL OF RENEWABLE ENERGY PLAN ANNUAL REPORT**

In accordance with the Commission's Order issued March 2, 2010 (Doc. No. 14), the City of Charlevoix hereby submits its renewable energy plan annual report for 2010. A copy of this annual report, including any exhibits, is attached.

Respectfully submitted,

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Dated: June 30, 2011

# **ATTACHMENT**

**City of Charlevoix  
Renewable Energy Plan Annual Report for 2010  
MPSC Case No. U-15850**

**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.***

The primary source of RECs is participation in the Michigan Public Power Agency (MPPA) Granger and North American Natural Resources (NANR) Projects. These projects will utilize landfill gas for electric power generation from a variety of locations in Michigan and possibly in neighboring states. The current schedule calls for additional Granger and NANR project to begin commercial operation between 2011 and 2014.

***(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.***

<b>Electricity</b>	<b>Renewable Energy Generated or Acquired Including Michigan Incentive REC</b>	<b>REC Sold, Traded or Otherwise Transferred</b>
<b>MWh</b>	<b>REC</b>	<b>REC</b>
370	416	

***(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.***

<b>Electricity</b>	<b>Advanced Cleaner Energy Credits Generated or Acquired</b>	<b>ACEC Sold, Traded or Otherwise Transferred</b>
<b>MWh</b>	<b>ACEC</b>	<b>ACEC</b>

***(c) The capacity of each renewable energy system and advanced cleaner energy system owned, operated, or controlled<sup>1</sup> 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).**

<b>Renewable Energy Systems Owned by Electric Provider</b>					
<b>Project Name</b>	<b>System Technology Type</b>	<b>Nameplate Capacity</b>	<b>Electricity Generated</b>	<b>Percentage Generated from Renewable Energy</b>	<b>REC Generated</b>
		<b>MW</b>	<b>MWh</b>	<b>%</b>	<b>REC</b>
<b>Total</b>					

<sup>1</sup> For the purposes of this report, the term “controlled” refers to renewable or advanced cleaner energy systems providing, under contract, REC or ACEC with or without nameplate capacity or energy.

Renewable Energy Systems Under Contract						
Project Name	System Technology Type	Nameplate Capacity	Electricity Generated	Percentage Generated from Renewable Energy	REC Generated	Is This a REC-Only Contract?
		MW	MWh	%	REC	Y or N
Brent Run #1	Landfill Gas	.065	248	100	270	N
Brent Run #2	Landfill Gas	.024	17	100	21	N
Grand Blanc – GB #2	Landfill Gas	.033	105	100	125	N
<b>Total</b>		.122	370		416	

If the electric provider is not purchasing 100% of the Project output, a pro-rata Nameplate Capacity may be reported if applicable.  
For REC-only contracts, provide Project Name, System Technology Type, Nameplate Capacity, Electricity Generated, and Percentage Generated from Renewable Energy data if available.

Advanced Cleaner Energy Systems Owned by Electric Provider				
Project Name	System Technology Type	Electricity Generated	Percentage Generated from Advanced Cleaner Energy	ACEC Generated
		MWh	%	ACEC
<b>Total</b>				

Advanced Cleaner Energy Systems/ ACEC Purchased Under Contract					
Project Name	Source	Electricity Generated	Percentage Generated from Advanced Cleaner Energy	ACEC Generated	Is This an ACEC-Only Contract?
		MWh	%	ACEC	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.<sup>2</sup>***

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

<sup>2</sup> 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. The figures below should include only the incremental costs of compliance and not transfer price data.

2010 Actual and 2011 Anticipated Expenditures were reported on the 2011 Amended Renewable Energy Plan for the City of Charlevoix (Case No. U-16601)

2010 Actual Expenditures	2011 Anticipated Expenditures
\$21,190	\$55,357

**(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 actual 2009 and 2010 data and forecasted 2011 data.**

<b>1. Retail Sales (MWh)</b>	<b>60,343</b>
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2. Provide the total available REC, at yearend, for the electric provider. Include available banked REC from previous periods, Michigan Incentive REC and REC generated/acquired during the reporting period.

<b>2. Total Available REC</b>	<b>416</b>
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3. Calculate the electric provider's estimated available renewable energy percentage for the reporting period by dividing the total available REC (Item number 2 above) by the retail sales (Item number 1 above) and multiplying by 100.

<b>3. Estimated Available Renewable Energy % for Reporting Period</b>	<b>.69%</b>
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