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 the HOLLAND BOARD OF PUBLIC WORKS to fully comply with Public Act 295 of 2008	)	Case No. U-16617

SUBMITTAL OF RENEWABLE ENERGY PLAN ANNUAL REPORT

In accordance with the Commission's Order issued, December 6, 2012, the Holland Board of Public Works hereby submits its renewable energy plan annual report for 2012. A copy of this annual report, including any exhibits, is attached.

Respectfully submitted,

DICKINSON WRIGHT PLLC
Attorneys for the Holland Board of Public Works

Adam M. Wenner Digitally signed by Adam M. Wenner DN: CN=Adam M. Wenner,O=Dickinson Wright PLLC,OU=OU,E=awenner@dickinson-wright.com,C=US Date: 2013.06.28 11:34:07 -04:00

By: _____

Peter H. Ellsworth (P23657)
Adam M. Wenner (P75309)
Business Address:
215 South Washington Square
Suite 200
Lansing, MI 48933-1816
Telephone: (517) 371-1730

Dated: June 28, 2013

Renewable Energy Annual Report

Revised April 2013

Electric Provider: **Holland Board of Public Works**
Reporting Period: Calendar Year 2012

- Section 51(1) of 2008 PA 295 requires the filing of this document with the Michigan Public Service Commission.
- Many of the requested figures are available from MIRECS reports; names of which are noted within this template. If your figures agree with those within MIRECS, you may submit the MIRECS report as an attachment to this annual report. If your figures differ from those within MIRECS, please explain any discrepancies. Staff from the MPSC and MIRECS Administrator, APX, Inc., are available to help reconcile.

Section 51(1).
Within this section, list and describe actions taken by the electric provider to comply with the renewable energy standards.

a. Filings to the Commission (case numbers)

U-16617

b. Summary of actions taken during reporting period

The primary source of RECs is participation in the Michigan Public Power Agency (MPPA) Landfill Gas Project (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. In addition, Holland has PPAs for supply from the CMS-Grayling biomass source for a 5-year term and a 20-year supply arrangement with North American Natural Resources (NANR) for landfill-gas based generation in Berrien County.

Section 51(2)(a).

Within this section, list the type of and number of energy credits (either renewable energy credits or incentive renewable energy credits) obtained and the MWh of electricity generated or otherwise acquired during the reporting period. Distinguish between different vintages (years) obtained.

Credits From	Renewable Energy Credits	Incentive Credits	MWh Electricity Generated/Acquired
Existing, Co. Owned, pre PA 295			
Built, Co. Owned (post PA 295)			
Contracted (credits only)			
Contracted (energy and credits)	2009 – 5,287 2010 – 1,662 2011 – 35,207 2012 – 8,676	2011 – 2,840 2012 – 757	2009 - 5,287 2010 – 1,662 2011 – 35,207 2012 – 8,676
Total Credits acquired	50,832	3,597	50,832

This data may be found in MIRECS reports titled: My Generation Report and My Credit Transfers.

Explain any differences between total credits acquired and the sum of the first four rows above.

Some 2012 vintage credits may have been transferred in 2013.

Within this section, list the type of and number of energy credits (either renewable energy credits or incentive renewable energy credits) sold, traded or otherwise transferred during the reporting period.

Credit no longer owned	Renewable Energy Credits	Incentive Credits	List sub-account name (indicate compliance year)
Sold, traded or otherwise transferred			NA
Expired (not in compliance sub-account)			NA
Moved to compliance sub-account[1]	17,929	984	2012 Compliance-City of Holland-BPW

[1]Report separate compliance sub-accounts on different rows.

This data may be found in MIRECS reports titled: My Sub-Accounts (filtered by Michigan eligibility and its end date) and My Credit Transfers.

Within this section, report the total inventory of energy credits at the end of the reporting period. Inventory shall be reported by vintage year and not include credits within the current reporting year compliance sub-account.

Renewable Energy Credits	Incentive Credits	Advanced Cleaner Energy Credits
106,408	5,582	0

This data may be found in the MIRECS report titled: My Credit Breakdown.

Section 51(2)(b).

Within this section, list the number of advanced cleaner energy credits obtained and the MWh of advanced cleaner energy generated or otherwise acquired during this reporting period.

Credits From	Advanced Cleaner Energy Credits	MWh Electricity Generated/Acquired
Existing, Co. Owned, pre PA 295		
Built, Co. Owned (post PA 295)		
Contracted (credits only)		
Contracted (energy and credits)		
Total Credits acquired		

This data may be found in MIRECS reports titled: My Generation Report and My Credit Transfers.

Did the percentage limits in Section 27(7) affect development of advanced cleaner energy by the electric provider? How so?

Electric provider does not receive ACEC credits.

Section 51(2)(c).

Within this section, list each renewable energy system (RES) and advanced cleaner energy system (ACES) owned, operated or controlled by the electric provider. List the capacity of each system, the amount of electricity generated by each system and the percentage of electricity which was generated from renewable energy (RE) or advanced cleaner energy (ACE).

System Name[1]	System Type (RES or ACES)	Nameplate Capacity (MW)	Electricity Generated (MWh)	% of Electricity generated by RE/ACE

[1]System name should agree with the project name listed within MIRECS.
This data may be found in the Project Management module within MIRECS.

Within this section, list the renewable energy system (RES) and advanced cleaner energy systems (ACES) the electric provider is purchasing energy credits from. These include purchase power agreements. However, unbundled (credit only) purchases do not need to be listed here. Projects (generators) serving multijurisdictional electric providers should be listed here.

System Name	System Type (RES or ACES)	Electricity Purchased (MWh)	Energy Credits Purchased[1]	Allocation Factor and Method
Landfill Gas Project – Granger	RES	5,904	5,903 REC 858 IREC	Percentage – 16.26%
Landfill Gas Project – NANR	RES	472	472 REC 90 IREC	Percentage – 16.26%
CMS-Grayling	RES	13,268	13,268 REC 1,149 IREC	

[1]Distinguish between different types of credits.
Allocation Factor and Method: For use if 100% of system output is not purchased. For instance, a system selling to multiple parties: list how the energy and credits are allocated – if by percentage, list the percentage as well.
Allocation Factor and Method: If used by multijurisdictional electric providers please include which percentage of energy and credits are to be distributed to Michigan (list allocation method as well, for example: system load).

Section 51(2)(d).

Within this section, list whether, during the reporting period, the electric provider entered into a contract for, began construction on, continued construction of, acquired, or placed into operation a renewable energy (RE) system or advanced cleaner energy (ACE) system.

System Name[1]	Resource (technology, RE/ACE)		Nameplate Capacity (MW)	Construction start date or acquisition date	Commercial operation date	Owned by electric provider?
Beebe 1B Wind Farm	RE		16.801 of 26.4 total capacity	TBD	1st quarter of 2013	No
EON Windfarm	RE		15 of 202.5 total capacity	January 2015	1st quarter of 2013	No

[1]System name should agree with the project name listed within MIRECS.
Dates may be forecast.

Section 51(2)(e).
Within this section, list the total expenditures incurred during the reporting period to comply with the renewable energy standards. Also, electric providers with an approved or planned renewable energy surcharge (as per Section 45), list the incremental cost of compliance (ICC) incurred during the reporting period.

Total Transfer Cost for 2012	Total ICC for 2012
0	0

Transfer Cost: The component of renewable energy and capacity revenue recovered from PSCR clause.

Capital Expenditures for 2012
0

Capital Expenditure: An investment in a renewable energy capital asset.

List the forecasted total expenditures for the remaining plan period. Also, electric providers with an approved or planned renewable energy surcharge (as per Section 45), list the forecasted incremental cost of compliance (ICC) for the remaining plan period.

Forecast of total remaining expenditures for the residual plan period of 2013-2029	Forecast of the ICC for the remaining plan period (2013-2029)
0	0

Total Expenditures: ICC + Transfer Cost

Section 51(2)(f).
Within this section, list the method and the retail sales in MWh for the reporting period.

List the Method: either average of 2009-2011 retail sales or the 2011 weather normalized retail sales.

Average of 2009-2011 retail sales

The method chosen should be consistent with the method approved in the initial plan case from 2009. All sales are retail (net of wholesale).

(A) List the sales in MWh based on the method selected above. Please show the calculation of this figure (including listing the sales of each year if the three year average method is used).

(885,787 + 958,681 + 992,482)/3 = 945,650

(B) Inventory: List the number of non-expired energy credits available after submittal of the 2012 MIRECS compliance report. These energy credits may have 2010, 2011 and 2012 vintages. Do not include credits within the 2012 compliance sub-account. This number may differ from the inventory figure given in **Section 51(2)(a)** above. List green pricing program, energy optimization and advanced cleaner energy credits separately and only if they are to be used for RPS compliance in a future year.

140,004

(C) 2012 Renewable Energy: List the number of energy credits with a 2012 vintage. Include 2012 vintage energy credits used for compliance in 2012 as well as those 2012 vintage energy credits not yet used for compliance. Again, take into account green pricing program credits and energy optimization or advanced cleaner energy credit substitutions with a 2012 vintage.

List credits from energy generated during 2012
53,213

Calculate the estimated renewable energy percentage. Figure above (C) divided by sales in MWh above (A).

Estimated Renewable Energy Percentage based on 2012 vintage energy credits (C divided by A)
5.6%

(D) Compliance: List the energy credits used for compliance for the 2012 compliance year. This number should agree with the compliance requirement listed in the 2012 compliance subaccount in MIRECS. Take into account any energy optimization or advanced cleaner energy credit substitutions and limits on their use.

18,913

Calculate the renewable energy percentage. Figure above divided by sales in MWh above (D divided by A).

2.0%

Does the “energy credits used for compliance in this reporting year” figure above include any credits representing energy generated within 120 days after the start of the next calendar year? Yes/No.

No

If yes, how many credits from 2013 generation are included?

To be used for 2013 Compliance Year

Similar to (A) from Section 51(2)(f) above.

List the sales in MWh based upon the same method selected above. Sales should either be the average of 2010-2012 retail sales or the 2012 weather normalized retail sales. Please show the calculation of this figure (including listing the sales of each year if the three year average method is used).

(958,681 + 992,482 + 1,039,814)/3 = 996,992