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Halifax Electric Membership Corporation

208 West Whitfield Street • Post Office Box 667
Enfield, North Carolina 27823-0667
Telephone: (252) 445-5111

Your Touchstone Energy® Partner



September 1, 2011

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SEP 01 2011

Clerk's Office
N.C. Utilities Commission

Ms. Renne C. Vance, Chief Clerk
North Carolina Utilities Commission
4325 Mail Service Center
Raleigh, North Carolina 27699-4325

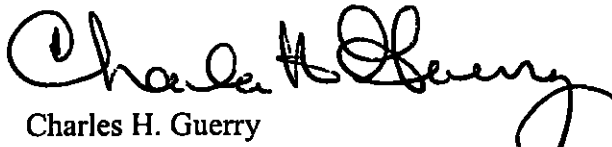
Re: Docket No. E-100, Sub-131/28

Dear Ms. Vance:

Enclosed for filing are the original and thirty (30) copies of the Halifax Electric Membership Corporation's 2010 REPS compliance report for Docket E-100, Sub 131, 2011 REPS Compliance Plans and 2010 REPS Compliance Reports.

Please let us know if clarification of any of the information is needed.

Sincerely,


Charles H. Guerry
Executive Vice President & General Manager
Halifax Electric Membership Corporation

Enclosures

cc: Ms. Jannie Burnette (Town of Enfield)

Clerk's Office
AL
7 Comm
Watson
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Ericson
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Halifax Electric Membership Corporation
NCUC Docket E-100, Sub 131 Renewable Energy and Energy Efficiency Portfolio Standard
Annual REPS Compliance Report for 2010 (NCUC Rule R8-67(c))
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Rule R9-67 (c) REPS compliance report.

(1) Each year, beginning in 2009, each electric power supplier shall file with the Commission a report describing the electric power supplier's compliance with the requirements of G.S. 62-133.8(b), (c), (d), (e) and (f) during the previous calendar year. The report shall include all of the following information, including supporting documentation and direct testimony and exhibits of expert witnesses:

(i) the sources, amounts, and costs of renewable energy certificates, by source, used to comply with G.S. 62-133.8(b), (c), (d), (e) and (f) Renewable energy certificates for energy efficiency may be based on estimates of reduced energy consumption through the implementation of energy efficiency measures, to the extent approved by the Commission;

Response:

	<u>RECs</u>	<u>Incremental Cost</u>
G.S. 62-133.8 (b) Not Applicable	0 kWh	\$ 0.00
G.S. 62-133.8 (c) 2010 Overall REPS Requirement	0 kWh ⁽¹⁾	\$ 0.00 ⁽¹⁾
G.S. 62-133.8 (d) 2010 Solar Energy Resources Requirement		
HEMC Solar Photovoltaic System	18,740 kWh	\$ 31,441.44
EnergyUnited Solar REC's	20,000	2,000.00
G.S. 62-133.8 (e) 2010 Swine Waste Resources Requirement	0 kWh	\$ 0.00
G.S. 62-133.8 (f) 2010 Poultry Waste Resources Requirement	0 kWh	\$ 0.00

⁽¹⁾ Excludes set-asides.

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(ii) the actual North Carolina retail sales and year-end number of customer accounts by customer class;

Response:

2010 NC ^[1] Sales (kWh)	2010 Year End Consumers ^[1]			
	Residential	Commercial	Industrial	Total
207,893,214	11,598	1,389	1	12,988

^[1] Halifax EMC and Town of Enfield.

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(iii) the current avoided cost rates and the avoided cost rates applicable to energy received pursuant to long-term power purchase agreements;

Response: HEMC's avoided cost rates are provided by its principal energy supplier, North Carolina Electric Membership Corporation. A copy is provided in Appendix B.

	2010 (Filed 9/1/2011)	
	kWh	
	<u>Contribution</u>	<u>Avoided Cost</u>
HEMC Solar Photovoltaic System	20,400	\$ 857.26

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(iv) the actual total and incremental costs incurred to comply with G.S. 62-133.8(b), (c), (d), (e) and (f):

Response:

	<u>Actual Total Cost</u>	<u>Incremental Cost</u>
G.S. 62-133.8 (b) Not Applicable	\$ 0.00	\$ 0.00
G.S. 62-133.8 (c) 2010 Overall REPS Requirement	87,053.66 ^[1]	86,196.40 ^[1]
G.S. 62-133.8 (d) 2010 Solar Energy Resources Requirement	37,083.80	36,226.54
G.S. 62-133.8 (e) 2010 Swine Waste Resources Requirement	286.00	286.00
G.S. 62-133.8 (f) 2010 Poultry Waste Resources Requirement	18.91	18.91

^[1] Includes costs for all set-asides.

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(v) a comparison of actual compliance costs to the annual cost caps;

Response:

Classification	Consumers ⁽¹⁾ (2009 EOY)	Cost Cap per Consumer	Total 2010 Cost Cap	2010 Compliance Costs
Residential	11,640	\$ 10.00	\$ 116,400.00	
Commercial/General Service	1,405	50.00	70,250.00	
Industrial	1	500.00	500.00	
Total	13,046		\$ 187,150.00	\$ 86,196.40

⁽¹⁾ Halifax EMC and Town of Enfield.

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(vi) the status of compliance with the requirements of G.S. 62-133.8(b), (c), (d), (e) and (f);

Response:

		<u>Requirement</u>	<u>Retirements</u>
G.S. 62-133.8	(b) Not Applicable	0 kWh	0 kWh
G.S. 62-133.8	(c) 2010 Overall REPS Requirement 0% of 2009 sales	0 kWh ^[1]	0 kWh ^[1]
G.S. 62-133.8	(d) 2010 Solar Energy Resources Requirement 0.02% of 2009 sales	38,740 kWh	38,740 kWh
G.S. 62-133.8	(e) 2010 Swine Waste Resources Requirement 0% of 2009 sales	0 kWh	0 kWh
G.S. 62-133.8	(f) 2010 Poultry Waste Resources Requirement 0 MWh (statewide)	0 kWh	0 kWh

^[1] Excludes set-asides.

2009 kWh Sales 193,698,564 kWh
Total Halifax EMC energy sales including Town of Enfield.

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(vii) the identification of any renewable energy certificates to be carried forward pursuant to G.S. 62-133.8(b)(2)f or (c)(2)f;

Response:

	<u>RECs Carried Forward</u>
G.S. 62-133.8 (b) Not Applicable	0 kWh
G.S. 62-133.8 (c) 2010 Overall REPS Requirement	25,122,215 kWh ⁽¹⁾
G.S. 62-133.8 (d) 2010 Solar Energy Resources Requirement	1,660 kWh
G.S. 62-133.8 (e) 2010 Swine Waste Resources Requirement	0 kWh
G.S. 62-133.8 (f) 2010 Poultry Waste Resources Requirement	0 kWh

⁽¹⁾ Includes all set-asides.

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(viii) For each renewable energy facility providing renewable energy certificates used by the electric power supplier to comply with G.S. 62-133.8(b), (c), (d), (e) and (f): the name, address, and owner of the renewable energy facility; and an affidavit from the owner of the renewable energy facility certifying that the energy associated with the renewable energy certificates was derived from a renewable energy resource, identifying the renewable technology used, and listing the dates and amounts of all payments received from the electric power supplier and all meter readings; and

Response:

1. EnergyUnited

P.O. Box 1831

Statesville, NC 28687-1831

Date

December 28, 2010

Quantity

20.00

Cost/REC

\$ 100.00

Total

\$ 2,000.00

Solar Thermal REC's

Certification of the energy as a solar renewable resource and the RECs transferred to Halifax EMC are available through NC-RETS (NC-RETS ID: GEN212, Unit Name: Nomad Aquatics and Fitness STM, Fuel/Project Type: Solar - Thermal). Confirmation of payments can be provided through bank transactions if necessary.

2. NextEra Wind Energy Facility

Story County, Iowa

(coordinated by NCEMC)

Date

2010

Quantity

412.02

Cost

\$ 2.00

Total

\$ 824.04

Wind REC's

Certification of the energy as a wind renewable resource and the RECs transferred to Halifax EMC are available through NC-RETS (NC-RETS ID: IMP293, Unit Name: Story County Wind Project, Fuel/Project Type: Wind). Confirmation of payments can be provided through bank transactions if necessary.

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(ix) *for electric membership corporations and municipal electric suppliers, reduced energy consumption achieved after January 1, 2008, through the implementation of a demand-side management program.*

Response: None

RECs / EE Balances

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Appendix A

	Balance December 31, 2009 (Filed 9/1/2011)			Additions 2010 (Filed 9/1/2011)			Retirements 2010 (Filed 9/1/2011)			Balance December 31, 2010 (Filed 9/1/2011)		
	kWh			kWh			kWh			kWh		
	Contribution	\$/kWh	Cost	Contribution	\$/kWh	Cost	Contribution	\$/kWh	Cost	Contribution	\$/kWh	Cost
Compact Fluorescent Lights												
Direct costs	753,225		\$ 0.00	1,340,773		\$ 0.00	0		\$ 0.00	2,093,998		\$ 0.00
Labor/Administrative			0.00			0.00			0.00			0.00
Subtotal	753,225		\$ 0.00	1,340,773		\$ 0.00	0		\$ 0.00	2,093,998		\$ 0.00
Residential Energy Efficiency Initiatives												
Appliance Credit	826,760		\$ 0.00	1,461,590		\$ 0.00	0		\$ 0.00	2,288,350		\$ 0.00
Labor/Administrative			0.00			0.00			0.00			0.00
Equipment/Materials			0.00			0.00			0.00			0.00
Subtotal	826,760		\$ 0.00	1,461,590		\$ 0.00	0		\$ 0.00	2,288,350		\$ 0.00
Heat Pump Rebates	112,350		\$ 0.00	371,620		\$ 0.00	0		\$ 0.00	483,970		\$ 0.00
Labor - Energy Efficiency			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00
Advertising - Energy Effic.			\$ 0.00			\$ 0.00			\$ 0.00			\$ 0.00
NCEMC: Story Wind Project	419,100	0.00175	\$ 733.31	412,020	0.00200	\$ 824.04	0		\$ 0.00	831,120	0.00187	\$ 1,557.35
HEMC Solar Photovoltaic System	0		\$ 0.00	20,400	1.71979	\$ 35,083.80	18,740	1.71979	\$ 32,228.94	1,660	1.71980	\$ 2,854.86
EnergyUnited Solar REC's	0		0	20,000	0.10000	2,000.00	20,000	0.10000	2,000	0		0
Total Solar	0		\$ 0.00	40,400	0.91792	\$ 37,083.80	38,740	0.88356	\$ 34,228.94	1,660	1.71980	\$ 2,854.86
Collective Work on Swine	0		\$ 0.00	0		\$ 286.00			\$ 0.00			\$ 286.00
Collective Work on Poultry	0		\$ 0.00	0		\$ 18.91			\$ 0.00			\$ 18.91
SEPA	10,976,053		\$ 0.00	8,447,064		\$ 0.00	0		\$ 0.00	19,423,117		\$ 0.00
LED Outdoor Lighting	0		\$ 0.00	0		\$ 0.00			\$ 0.00			\$ 0.00
Enfield LED Streetlight Changes	0		\$ 0.00	0		\$ 0.00	0		\$ 0.00	0		\$ 0.00
Outside Services			\$ 19,910.97			\$ 48,840.91			\$ 0.00			\$ 68,751.88
Total	13,087,488		\$ 20,644.28	12,073,467		\$ 87,053.66	38,740		\$ 34,228.94	25,122,215		\$ 73,469.00
Avoided Costs			0.00			857.26			787.50			69.76
Incremental Costs			\$ 20,644.28			\$ 86,196.40			\$ 33,441.44			\$ 73,399.24
Less: Recoveries			0.00			100,335.04			33,441.44			66,893.60
Balance for Recovery			\$ 20,644.28			\$ (14,138.64)			\$ 0.00			\$ 6,505.64
Annual Cost Cap						\$ 187,150.00						

Appendix B: Avoided Costs Rates

From: Stephenson, Wendy [Wendy.Stephenson@ncemcs.com]
Sent: Monday, August 23, 2010 9:51 AM
To: Burnette, Mike; Steve Miller
Subject: RE: Halifax REPS Compliance Plan: Avoided Costs

Attached are the avoided cost rates for 2010-2011.



2010 QF -
Rates.docx

From: Burnette, Mike
Sent: Monday, August 23, 2010 9:49 AM
To: Steve Miller
Cc: Stephenson, Wendy
Subject: RE: Halifax REPS Compliance Plan: Avoided Costs

Good Morning Steve,

Back in March the BOD approved for NCEMC a new set of avoided cost rates. The new schedule is similar to that filed by the IOUs in that it provides for a 2 year variable and a 5 and 10 year fixed option. In addition, the rates will be calculated on a biannual basis. So the rates that we currently have will be effective until December 31, 2011.

Wendy, will you please send Steve the avoided cost rate sheet.

Thanks,
Mike

SCHEDULE QF – 2010 DRAFT

POWER PURCHASES FROM QUALIFYING FACILITIES

RATES

NCEMC shall pay eligible Qualifying Facilities for energy and /or capacity furnished to NCEMC the credits set forth below as applicable. Such payments shall be reduced by both the Administrative charge and any applicable Interconnection Facilities Charges.

Effective Dates: January 1, 2010 through December 31, 2011 or until revised

\$ / MWh		Variable	5 Year	10 Year
Energy	On-Peak Hours	40.22	48.04	54.27
	Off-Peak Hours	26.84	32.96	38.14
Capacity	On-Peak Months	34.46	35.48	37.10
	Off-Peak Months	16.50	16.92	17.68

On/Off-peak Definition

- On-Peak Hours (Mon – Fri)
 - Apr 1st - Sep 30th 10:00 am thru 10:00 pm
 - Oct 1st - Mar 31st 6:00 am thru 1:00 pm and 4:00 pm thru 9:00 pm
- Off-Peak Hours: all other weekday hours not defined in above, plus weekends and holidays
 - Holidays: New Year's Day, Good Friday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day & Day After, Christmas Day
 - If the holiday falls on Saturday, the Friday before will be considered off-peak
 - If the holiday falls on Sunday, the Monday after will be considered off-peak
- On-Peak Months (Capacity Credit): June through September and December through February

Capacity Credit

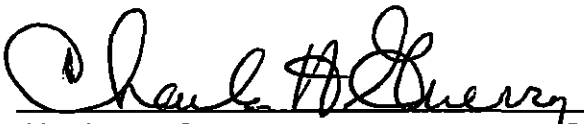
- Applicable to only On-Peak Hours

STATE OF NORTH CAROLINA

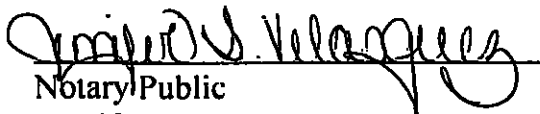
COUNTY OF HALIFAX

Charles H. Guerriy, having been first duly sworn, deposes and says:

1. He has read the foregoing 2010 REPS Compliance Report and knows its contents.
2. The matters stated in this instrument are true of his knowledge, except as to those matters that are stated to be on information and belief, and, as to those matters, he believes them to be true.


Charles H. Guerriy
Executive Vice President

Sworn to and subscribed before me
this 26th day of August, 2011.


Notary Public
Jennifer S. Velasquez

My Commission Expires: 02/17/2015

[SEAL]

