



## Halifax Electric Membership Corporation

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Your Touchstone Energy® Partner



**OFFICIAL COPY**

October 14, 2010

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

**FILED**  
**OCT 15 2010**  
Clerk's Office  
N.C. Utilities Commission

*Re:      Docket No. E-100, Sub 124 and <sup>128</sup>~~129~~ and Docket <sup>EC</sup>~~E~~-33, Sub 58*

Dear Ms. Vance:

Enclosed for filing are the original and thirty (30) copies of the Halifax Electric Membership Corporation's 2009 REPS compliance report for Docket E-100, Sub 129, Renewable Energy and Energy Efficiency Portfolio Standard. The report includes adjustments in amounts from the Commission's review of the 2008 REPS compliance report in Docket E-33, Sub 58. The 2008 compliance report was filed in Docket E-100, Sub 124.

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The report provides a summary of compliance costs and RECs calculated by Halifax EMC. The only renewable energy generation facility from which RECs were received in 2009 was the Story Wind Project. Information required under Rule R8-67 (c)(1)(viii) regarding the project is available from North Carolina Electric Membership Corporation. No requirements for REPS under GS 62-133.8 (c), (d), (e), and (f) were applicable for 2009.

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

Sincerely,

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

Enclosures

cc:    Mr. Bobby Davis (Town of Enfield)

**FILED**

OCT 15 2010

RECs / EE Balances

Clerk's Office  
N.C. Utilities Commission

Halifax Electric Membership Corporation

Docket E-100, Sub 129 Renewable Energy and Energy Efficiency Portfolio Standard

Annual Compliance Report for 2009

October 15, 2010

|                                                  | Balance<br>December 31, 2008 |        |               | Additions<br>2009   |         |               | Retirements<br>2009 |        |         | Balance<br>December 31, 2009 |         |               |
|--------------------------------------------------|------------------------------|--------|---------------|---------------------|---------|---------------|---------------------|--------|---------|------------------------------|---------|---------------|
|                                                  | kWh<br>Contribution          | \$/kWh | Cost          | kWh<br>Contribution | \$/kWh  | Cost          | kWh<br>Contribution | \$/kWh | Cost    | kWh<br>Contribution          | \$/kWh  | Cost          |
| <b>Compact Fluorescent Lights</b>                |                              |        |               |                     |         |               |                     |        |         |                              |         |               |
| Direct costs                                     | 14,100                       |        | \$ 0.00       | 739,125             |         | \$ 28,829.27  | 0                   |        | \$ 0.00 | 753,225                      |         | \$ 28,829.27  |
| Labor/Administrative                             |                              |        | 0.00          |                     |         | 0.00          |                     |        | 0.00    |                              |         | 0.00          |
| Subtotal                                         | 14,100                       |        | \$ 0.00       | 739,125             |         | \$ 28,829.27  | 0                   |        | \$ 0.00 | 753,225                      |         | \$ 28,829.27  |
| <b>Residential Energy Efficiency Initiatives</b> |                              |        |               |                     |         |               |                     |        |         |                              |         |               |
| Appliance Credit                                 | 203,870                      |        | \$ 2,138.54   | 622,890             |         | \$ 7,620.56   | 0                   |        | \$ 0.00 | 826,760                      |         | \$ 9,759.10   |
| Labor/Administrative                             |                              |        | 21,967.00     |                     |         | 17,256.81     |                     |        | 0.00    |                              |         | 39,223.81     |
| Equipment/Materials                              |                              |        | 0.00          |                     |         | 5,913.00      |                     |        | 0.00    |                              |         | 5,913.00      |
| Subtotal                                         | 203,870                      |        | \$ 24,105.54  | 622,890             |         | \$ 30,790.37  | 0                   |        | \$ 0.00 | 826,760                      |         | \$ 54,895.91  |
| <b>Heat Pump Rebates</b>                         | 11,250                       |        | \$ 1,525.00   | 101,100             |         | \$ 8,550.00   | 0                   |        | \$ 0.00 | 112,350                      |         | \$ 10,075.00  |
| <b>NCMC: Story Wind Project</b>                  | 51,600                       |        | \$ 42.31      | 367,500             | 0.00188 | \$ 691.00     | 0                   |        | \$ 0.00 | 419,100                      | 0.00175 | \$ 733.31     |
| <b>Labor - Energy Efficiency</b>                 |                              |        | \$ 0.00       |                     |         | \$ 27,031.48  |                     |        | \$ 0.00 |                              |         | \$ 27,031.48  |
| <b>Advertising - Energy Effic.</b>               |                              |        | \$ 0.00       |                     |         | \$ 1,116.34   |                     |        | \$ 0.00 |                              |         | \$ 1,116.34   |
| <b>HEMC Solar Photovoltaic System</b>            | 0                            |        | \$ 0.00       | 0                   |         | \$ 0.00       | 0                   |        | \$ 0.00 | 0                            |         | \$ 0.00       |
| <b>Collective Work on Swine/Poultry</b>          |                              |        | \$ 0.00       |                     |         | \$ 0.00       |                     |        | \$ 0.00 |                              |         | \$ 0.00       |
| <b>SEPA</b>                                      | 3,467,631                    |        | \$ 254,548.17 | 7,508,422           | 0.03191 | \$ 239,597.01 | 0                   |        | \$ 0.00 | 10,976,053                   | 0.04502 | \$ 494,145.18 |
| <b>LED Outdoor Lighting</b>                      | 0                            |        | \$ 0.00       | 0                   |         | \$ 0.00       |                     |        | \$ 0.00 |                              |         | \$ 0.00       |
| <b>Enfield LED Streetlight Changes</b>           | 0                            |        | \$ 0.00       | 0                   |         | \$ 0.00       | 0                   |        | \$ 0.00 | 0                            |         | \$ 0.00       |
| <b>Outside Services</b>                          |                              |        | \$ 8,422.39   |                     |         | \$ 11,488.58  |                     |        | \$ 0.00 |                              |         | \$ 19,910.97  |
| <b>Total</b>                                     | 3,748,451                    |        | \$ 288,643.41 | 9,339,037           |         | \$ 348,094.05 | 0                   |        | \$ 0.00 | 13,087,488                   |         | \$ 636,737.46 |
| <b>Avoided Costs</b>                             |                              |        | 254,548.17    |                     |         | 239,597.01    |                     |        | 0.00    |                              |         | 494,145.18    |
| <b>Incremental Costs</b>                         |                              |        | \$ 34,095.24  |                     |         | \$ 108,497.04 |                     |        | \$ 0.00 |                              |         | \$ 142,592.28 |
| <b>Less: Recoveries</b>                          |                              |        | 0.00          |                     |         | 0.00          |                     |        | 0.00    |                              |         | 0.00          |
| <b>Balance for Recovery</b>                      |                              |        | \$ 34,095.24  |                     |         | \$ 108,497.04 |                     |        | \$ 0.00 |                              |         | \$ 142,592.28 |

**Total & Incremental Costs**

**Halifax Electric Membership Corporation**  
**NCUC Docket E-100, Sub 129 Renewable Energy and Energy Efficiency Portfolio Standard**  
**Annual Compliance Report for 2009**  
**October 15, 2010**

|                                                  | 2008 (as Filed)     |        |               | Adjustments to 2008 |         |               | 2008 (Revised)      |         |               | 2009                |         |               |
|--------------------------------------------------|---------------------|--------|---------------|---------------------|---------|---------------|---------------------|---------|---------------|---------------------|---------|---------------|
|                                                  | kWh<br>Contribution | \$/kWh | Cost          | kWh<br>Contribution | \$/kWh  | Cost          | kWh<br>Contribution | \$/kWh  | Cost          | kWh<br>Contribution | \$/kWh  | Cost          |
| <b>Compact Fluorescent Lights</b>                |                     |        |               |                     |         |               |                     |         |               |                     |         |               |
| Direct costs                                     | 14,100              |        | \$ 0.00 [1]   | 0                   |         | \$ 0.00       | 14,100              |         | \$ 0.00       | 739,125             |         | \$ 28,829.27  |
| Labor/Administrative                             |                     |        | 0.00          |                     |         | 0.00          |                     |         | 0.00          |                     |         | 0.00          |
| Subtotal                                         | 14,100              |        | \$ 0.00       | 0                   |         | \$ 0.00       | 14,100              |         | \$ 0.00       | 739,125             |         | \$ 28,829.27  |
| <b>Residential Energy Efficiency Initiatives</b> |                     |        |               |                     |         |               |                     |         |               |                     |         |               |
| Appliance Credit                                 | 203,870             |        | \$ 2,138.54   | 0                   |         | \$ 0.00       | 203,870             |         | \$ 2,138.54   | 622,890             |         | \$ 7,620.56   |
| Labor/Administrative                             |                     |        | 21,967.00     |                     |         | 0.00          |                     |         | 21,967.00     |                     |         | 17,256.81     |
| Equipment/Materials                              |                     |        | 0.00          |                     |         | 0.00          |                     |         | 0.00          |                     |         | 5,913.00      |
| Subtotal                                         | 203,870             |        | \$ 24,105.54  | 0                   |         | \$ 0.00       | 203,870             |         | \$ 24,105.54  | 622,890             |         | \$ 30,790.37  |
| <b>Heat Pump Rebates</b>                         | 11,250              |        | \$ 1,525.00   | 0                   |         | \$ 0.00       | 11,250              |         | \$ 1,525.00   | 101,100             |         | \$ 8,550.00   |
| <b>NCMC: Story Wind Project</b>                  | 0                   |        | \$ 0.00       | 51,600              | 0.00082 | \$ 42.31      | 51,600              | 0.00082 | \$ 42.31      | 367,500             | 0.00188 | \$ 691.00     |
| <b>Labor - Energy Efficiency</b>                 |                     |        | \$ 0.00       |                     |         | \$ 0.00       |                     |         | \$ 0.00       |                     |         | \$ 27,031.48  |
| <b>Advertising - Energy Effic.</b>               |                     |        | \$ 0.00       |                     |         | \$ 0.00       |                     |         | \$ 0.00       |                     |         | \$ 1,116.34   |
| <b>HEMC Solar Photovoltaic System</b>            | 0                   |        | \$ 0.00       | 0                   |         | \$ 0.00       | 0                   |         | \$ 0.00       | 0                   |         | \$ 0.00       |
| <b>Collective Work on Swine/Poultry</b>          |                     |        | \$ 0.00       |                     |         | \$ 0.00       |                     |         | \$ 0.00       |                     |         | \$ 0.00       |
| <b>SEPA</b>                                      | 0                   |        | \$ 0.00       | 3,467,631           | 0.07341 | \$ 254,548.17 | 3,467,631           | 0.07341 | \$ 254,548.17 | 7,508,422           | 0.03191 | \$ 239,597.01 |
| <b>LED Outdoor Lighting</b>                      | 0                   |        | \$ 0.00       | 0                   |         | \$ 0.00       | 0                   |         | \$ 0.00       | 0                   |         | \$ 0.00       |
| <b>Enfield LED Streetlight Changes</b>           | 0                   |        | \$ 0.00       | 0                   |         | \$ 0.00       | 0                   |         | \$ 0.00       | 0                   |         | \$ 0.00       |
| <b>Outside Services</b>                          |                     |        | \$ 8,422.39   |                     |         | \$ 0.00       |                     |         | \$ 8,422.39   |                     |         | \$ 11,488.58  |
| <b>Total</b>                                     | 229,220             |        | \$ 34,052.93  | 3,519,231           |         | \$ 254,590.48 | 3,748,451           |         | \$ 288,643.41 | 9,339,037           |         | \$ 348,094.05 |
| <b>Avoided Costs</b>                             |                     |        | 11,032.36     |                     |         | 243,515.81    |                     |         | 254,548.17    |                     |         | 239,597.01    |
| <b>Incremental Costs</b>                         |                     |        | \$ 23,020.57  |                     |         | \$ 11,074.67  |                     |         | \$ 34,095.24  |                     |         | \$ 108,497.04 |
| <b>Cost Cap</b>                                  |                     |        | \$ 191,050.00 |                     |         | \$ 0.00       |                     |         | \$ 191,050.00 |                     |         | \$ 190,140.00 |

[1] CFL's purchased in 2007 for '08 annual Meeting.

**Avoided Costs Detail**

**Halifax Electric Membership Corporation**  
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|                                     | 2008 (as Filed)     |        |                     | Adjustments to 2008 |         |                      | 2008 (Revised)      |         |                      | 2009                |         |                      |
|-------------------------------------|---------------------|--------|---------------------|---------------------|---------|----------------------|---------------------|---------|----------------------|---------------------|---------|----------------------|
|                                     | kWh<br>Contribution | \$/kWh | Cost                | kWh<br>Contribution | \$/kWh  | Cost                 | kWh<br>Contribution | \$/kWh  | Cost                 | kWh<br>Contribution | \$/kWh  | Cost                 |
| CFL                                 | 0                   |        | \$ 678.63           | 0                   |         | \$ (678.63)          | 0                   |         | \$ 0.00              | 0                   |         | \$ 0.00              |
| Residential Energy Efficiency Initi | 0                   |        | 9,812.26            | 0                   |         | (9,812.26)           | 0                   |         | 0.00                 | 0                   |         | 0.00                 |
| Heat Pump Rebates                   | 0                   |        | 541.46              | 0                   |         | (541.46)             | 0                   |         | 0.00                 | 0                   |         | 0.00                 |
| HEMC Solar Photovoltaic System      | 0                   |        | 0.00                | 0                   |         | 0.00                 | 0                   |         | 0.00                 | 0                   |         | 0.00                 |
| SEPA - Enfield                      | 0                   |        | 0.00                | 196,931             | 0.10620 | 20,914.38            | 196,931             | 0.10620 | 20,914.38            | 196,707             | 0.07223 | 14,208.74            |
| SEPA - HEMC                         | 0                   |        | 0.00                | 2,314,214           | 0.09504 | 219,949.63           | 2,314,214           | 0.09504 | 219,949.63           | 3,254,165           | 0.05182 | 168,630.70           |
| SEPA - HEMC (NCEMC Adjustm          | 0                   |        | 0.00                | 956,486             | 0.01431 | 13,684.16            | 956,486             | 0.01431 | 13,684.16            | 4,057,550           | 0.01399 | 56,757.57            |
| <b>Total Avoided Costs</b>          | <b>0</b>            |        | <b>\$ 11,032.36</b> | <b>3,467,631</b>    |         | <b>\$ 243,515.81</b> | <b>3,467,631</b>    |         | <b>\$ 254,548.17</b> | <b>7,508,422</b>    |         | <b>\$ 239,597.01</b> |

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**Annual Compliance Report for 2009**  
**October 15, 2010**

| Classification             | Consumers <sup>[1]</sup><br>(2008 EOY) | Cost Cap per<br>Consumer | Total 2009<br>Cost Cap | Billed<br>Recoveries |
|----------------------------|----------------------------------------|--------------------------|------------------------|----------------------|
| Residential                | 11,689                                 | \$ 10.00                 | \$ 116,890.00          | \$ 0.00              |
| Commercial/General Service | 1,455                                  | 50.00                    | 72,750.00              | 0.00                 |
| Industrial                 | 1                                      | 500.00                   | 500.00                 | 0.00                 |
| <b>Total</b>               | <b>13,145</b>                          |                          | <b>\$ 190,140.00</b>   | <b>\$ 0.00</b>       |

| 2009 NC <sup>[2]</sup><br>Sales (kWh) | 2009 Year End Consumers <sup>[1]</sup> |            |            |        |
|---------------------------------------|----------------------------------------|------------|------------|--------|
|                                       | Residential                            | Commercial | Industrial | Total  |
| 193,698,564                           | 11,640                                 | 1,405      | 1          | 13,046 |

<sup>[1]</sup> Halifax EMC and Town of Enfield.

<sup>[2]</sup> Total Halifax EMC energy sales including Town of Enfield.