

NHPUC 13JUN17AM11:50

June 9, 2017

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Debra Howland  
Executive Director  
NH PUC  
21 S. Fruit St.  
Concord, NH 03301

RE: Mascoma Valley Regional School District: Enfield Village School (GIS Code 43519)  
Thermal Renewable Energy Credit – Alternative Compliance Request

Dear Ms. Howland,

It has come to the attention of the Mascoma Valley Regional School District that the site metered TREC data for the Enfield Village School has become unreliable during Q4 2016 (October, November, December) and Q1 2017 (January, February, March). During this time period the data shows times when the reported output of the system is greater than that of its rated thermal heating capacity, which is 191,000 Btu/Hr, making the data unreliable. While it is unknown exactly why this has occurred, it is possible that the BTU meter was experiencing turbulent flow and/or temperature mixing from other systems. The single pellet boiler in this system acts as a base load and there is a fuel oil boiler that provides supplemental heat to the system.

Adam Kohler, PE, the independent TREC monitor for the School, informed the school in February 2017 that data for Q4 2016 was unable to be reported. At that time corrective action began between the School, Wilson Engineering Services, PC, Adam Kohler, PE, and Johnson Controls fix the BTU Meter. It was decided to purchase and install a new Onicon System 40 BTU Meter to replace the current system.

The new meter is installed and commissioned as of 5/4/17. The data reported from the new meter proves accurate and reliable.

I am writing to request approval for a “one time” alternative compliance method to be used for 2016 Q4 (Oct, Nov, Dec) and 2017 Q1 (Jan, Feb, Mar) reporting periods. The method that I propose to use is the alternative compliance method that was approved for sites to use during the 2014 reporting periods. By using this methodology, the Enfield Village School has produced 166 RECs for the period of Q4 2016 and Q1 2017. See following page for further documentation and methodology for how this amount was calculated.

Enfield		
Delivery Date	Pellets (Tons)	Cost
11/11/2016	11	\$ 2,398
12/9/2016	11	\$ 2,398
12/28/2016	4	\$ 872
1/16/2017	8	\$ 1,744
2/20/2017	13	\$ 2,834
Total	47	\$ 10,246

$$Q = Td * HHV * Eff *.98$$

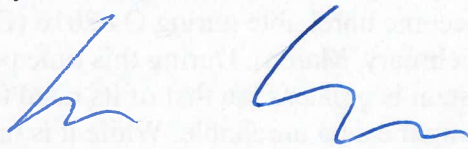
$$Q / Td = (16.4 \text{ MMBtu/ton}) * .75 *.98 = 12.054 \text{ MMBtu/Ton}$$

$$47 \text{ Tons} * 12.054 \text{ MMBtu/Ton} = 566.538 \text{ MMBtu}$$

$$566.538 \text{ MMBtu} = \mathbf{166 \text{ MWh/TREC}}$$

Please let me know if this proposed methodology is acceptable, or if you would like any additional information. I have included with this letter a copy of the wood pellet delivery receipts as listed above for the Enfield School.

Thank you for your consideration,



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cc: Barbara Bernstein, NH PUC  
cc: Debra Ford, Business Administrator, Mascoma Valley Regional School District  
cc: Adam Kohler, P.E. Kohler Engineering  
cc: Ned Raynolds, Johnson Controls, Inc.