



The State of New Hampshire  
**Department of Environmental Services**



**Robert R. Scott, Commissioner**

January 31, 2019

NHPUC 1FEB'19PM4:16

Debra A. Howland, Executive Director and Secretary  
New Hampshire Public Utilities Commission  
21 South Fruit Street, Suite 10  
Concord, NH 03301-2429

**Re: 4<sup>th</sup> Quarter Emissions Verification Summary for Certified Renewable Energy Sources (DE 08-024, DE 08-044, DE 08-051, DE 09-104, DE 12-091, DE 13-265, DE 14-007, DE 14-182, DE 14-209, DE 14-296, DE 14-301, DE 14-302, DE 14-303, DE 14-304, REC 15-081, REC 16-546, RREC 16-1214, RREC 17-90015, RREC 18-0351, and RREC 18-0485)**

Dear Ms. Howland:

Based on the attached summary, the New Hampshire Department of Environmental Services (DES) recommends certification of the following wood-fired power plants as renewable energy sources, because the facilities meet average emission rates of 0.02 lb/MMBtu (or an alternative plan) and 0.075 lb/MMBtu, for particulate (TSP) and nitrogen oxides (NO<sub>x</sub>), respectively:

**Pinetree Power-Fitchburg, Inc.**  
2 Rowtier Drive  
Westminster, MA 01473  
GIS Unit ID #: MSS538

**Granite Shore Power (GSP)  
Schiller Station #5**  
400 Gosling Rd  
Portsmouth, NH 03801  
GIS Unit ID #: MSS557

**Bridgewater Power Company**  
Route 3  
Bridgewater, NH 03222  
GIS Unit ID #: MSS357

**Berlin Station, LLC**  
One Community Street  
Berlin, NH 03570  
GIS Unit ID #: MSS16653

**Ryegate Power Station**  
247 Weesner Drive  
East Ryegate, VT 05042  
GIS Unit ID #: MSS2433

**DG Whitefield LLC**  
260 Airport Rd.  
Whitefield, NH 03598  
GIS Unit ID #: MSS618

**Springfield Power LLC**  
54 Fisher Corner Rd.  
Springfield, NH 03284  
GIS Unit ID #: MSS436

Based on the attached summary, DES recommends certification of the following wood-fired boilers as thermal renewable energy sources, because the facilities meet average emission rates of 0.10 lb/MMBtu for TSP and best management practices (BMP) for NO<sub>x</sub>, respectively:

[www.des.nh.gov](http://www.des.nh.gov)

29 Hazen Drive • PO Box 95 • Concord, NH 03302-0095  
(603) 271-3503 • Fax: 271-2867 TDD Access: Relay NH 1-800-735-2964

**Littleton Regional Healthcare (LRH)**  
600 Saint Johnsbury Road  
Littleton, NH 03561

**Androscoggin Valley Hospital (AVH)**  
59 Page Hill Road  
Berlin, NH 03570

**Warwick Mills**  
301 Turnpike Rd.  
New Ipswich, NH

**EMD Millipore**  
11 PRESCOTT RD  
Jaffrey, NH

**Memorial Hospital**  
3073 White Mountain Highway  
North Conway, NH 03860

**Holderness School**  
21 Mt. Prospect Road  
Holderness, NH 03245

**Froling Energy**  
590 Hancock Road  
Peterborough, NH

**Keene State College (three boilers)**  
229 Main St.  
Keene, NH 03435

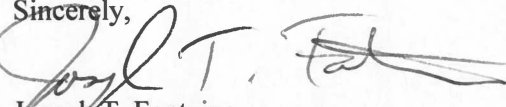
**Merrimack County DoC**  
Boscawen, NH

**Rockingham County Complex**  
Brentwood, NH

**Sullivan County Complex (new)**  
Unity, NH

Newly eligible small (<3 mmBtu/hr) thermal renewable energy sources include: the University of New Hampshire Northwest Heat Plant at Sage Way in Durham, the Hopkinton School District Maple Street School in Hopkinton, and John Stark Regional High School in Weare, NH. DES communicated directly with PUC staff regarding eligibility for these sources.

If you have any questions regarding DES's recommendations, please contact me at [joseph.fontaine@des.nh.gov](mailto:joseph.fontaine@des.nh.gov) or (603) 271-6794.

Sincerely,  
  
Joseph T. Fontaine  
Trading Programs Manager  
Air Resources Division

cc: Deandra Perruccio, NH PUC

| 4th Quarter 2018                        |  | 0.075 lb/mmbtu                                       | maximum allowed   | 0.02 lb/mmbtu           |
|---|--|--|---|-------------------------|
| Source Name                             | NOx #/MMBTU Quarter Average                    | TSP Test Date  | TSP Emission Average #/mmbtu  |                         |
| PT Tamworth<br>300019                   | 0.133<br>ineligible                            | 26-Apr-18  | 0.016   |                         |
| PT Bethlehem<br>900026                  | 0.176<br>ineligible                            | 02-May-17<br>3-year test frequency approved by DES   | 0.003   |                         |
| PT Fitchburg                            | 0.068  | May-18   | 0.006   |                         |
| PSNH SR5<br>1500012                     | 0.066  | May-17<br>3-year test frequency approved by DES      | 0.002   |                         |
| Whitefield<br>700010                    | 0.066  | May-18   | 0.010   |                         |
| Indeck Energy<br>900029                 | not operating                                  | 20-Apr-17  | 0.004   |                         |
| Springfield Power<br>1900031            | 0.067  | Jun-18   | 0.006   |                         |
| Berlin<br>790137                        | 0.060  | 1-Aug-17   | 0.001<br>3-year test frequency approved by DES                          |                         |
| Bridgewater Power<br>900021             | 0.068  |  | n/a under Alternative Plan  |                         |
| Ryegate                                 | 0.074  | May-18   | 0.0003  |                         |
| <b>Thermal Sources</b>                  | <b>99% CE</b>                                  | <b>maximum allowed</b>                               | <b>0.1 lb/mmbtu</b>   |                         |
| Sullivan County Complex                 | 99.97%<br>annual tune-up & CE test             | 5-Dec-18<br>1-time test                              | 0.049   |                         |
| Conway Memorial<br>300006               | 99.999%<br>99.993%<br>annual tune-up & CE test | 9-Sep-15<br>10-Sep-15<br>1-time test                 | boiler #1<br>boiler #2<br>quarterly reporting of <90% capacity required | 0.081<br>0.095          |
| Grafton County Complex                  | annual tune-up & CE test                       | 1-time test  | pending   |                         |
| Froling Energy<br>1100242               | 99.99% CE<br>annual tune-up & CE test          | 1-time test<br>18-Apr-17                             | 0.089   |                         |
| Keene State College<br>500003           | 99.999% CE<br>annual tune-up & CE test         | 1-time test<br>13-Dec-17<br>1-time test<br>26-Apr-17 | boiler #2<br>boiler #3<br>boiler #4                                     | 0.007<br>0.024<br>0.009 |
| City of Claremont                       | annual tune-up & CE test                       | 1-time test  | pending   |                         |
| Merrimack County<br>1300164             | 99.95% CE<br>annual tune-up & CE test          | 1-time test<br>6-Dec-17                              | 0.022   |                         |
| Rockingham County<br>3301500014         | 99.99%<br>annual tune-up & CE test             | 1-time test<br>11-Apr-18                             | 0.0187  |                         |
| Weeks Medical Center                    | annual tune-up & CE test                       | 1-time test  | pending   |                         |
| Holderness School<br>900137             | 99.998%<br>annual tune-up & CE test            | 1-time test<br>15-Dec-15                             | 0.0075<br>quarterly reporting of <90% capacity required                 |                         |
| EMD Millipore<br>500056                 | 99.95% CE<br>annual tune-up & CE test          | 1-time test<br>13-Mar-15<br>8/21/2018                | 0.009<br>0.004  |                         |
| Littleton Regional Healthcare<br>990224 | 99.99% CE<br>annual tune-up & CE test          | 1-time test<br>17-Mar-14<br>18-Mar-14                | boiler #1<br>boiler #2  | 0.056<br>0.032          |
| Warwick Mills<br>110129                 | 99.89% CE<br>annual tune-up & CE test          | 1-time test<br>30-Sep-14<br>1-Oct-14                 | 0.018   |                         |
| AVH<br>7007                             | 99.99% CE<br>annual tune-up & CE test          | 1-time test<br>4-Jun-14                              | 0.067   |                         |