



The State of New Hampshire
Department of Environmental Services

Robert R. Scott, Commissioner



October 30, 2018

#PUC 31OCT18AM10:45

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

Re: 3rd 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 (NOx), respectively:

Pinetree Power, Inc.
1241 Whitefield Rd
Bethlehem, NH 03574
GIS Unit ID #: MSS337

Pinetree Power-Tamworth, Inc.
469 Plains Rd
Tamworth, NH 03886
GIS Unit ID #: MSS592

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

Indeck – did not operate
151 Smith River Road
Alexandria, NH 03222
GIS Unit ID #: MSS14211

**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

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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 NOx, respectively:

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

Newly eligible small (<3 mmBtu/hr) thermal renewable energy sources include: the University of New Hampshire Northwest Heat Plant at Sage Way in Durham. DES communicated directly with PUC staff regarding eligibility for this source.

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

Sincerely,



Joseph T. Fontaine
Trading Programs Manager
Air Resources Division

cc: Deandra Perruccio, NH PUC

3rd 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 300019	0.075	26-Apr-18	0.016	
PT Bethlehem 900026	0.074 July 1-9 only	02-May-17 3-year test frequency approved by DES	0.003	
PT Fitchburg	0.067	May-18	0.006	
PSNH SR5 1500012	0.066	May-17 3-year test frequency approved by DES	0.002	
Whitefield 700010	0.067	May-18	0.010	
Indeck Energy 900029	not operating	20-Apr-17	0.004	
Springfield Power 1900031	0.063	Jun-18	0.006	
Berlin 790137	0.060	1-Aug-17	0.001 3-year test frequency approved by DES	
Bridgewater Power 900021	0.071		n/a under Alternative Plan	
Ryegate	0.073	May-18	0.0003	
Thermal Sources	99% CE	maximum allowed	0.1 lb/mmbtu	
Sullivan County Complex	annual tune-up & CE test	1-time test	pending	
Conway Memorial 300006	99.999% 99.993% annual tune-up & CE test	1-time test	9-Sep-15 boiler #1 10-Sep-15 boiler #2	0.081 0.095
Grafton County Complex	annual tune-up & CE test	1-time test	quarterly reporting of <90% capacity required pending	
Froling Energy 1100242	99.99% CE annual tune-up & CE test	1-time test	18-Apr-17	0.089
Keene State College 500003	99.999% CE annual tune-up & CE test	1-time test	13-Dec-17 boiler #2 13-Dec-17 boiler #3 26-Apr-17 boiler #4	0.007 0.024 0.009
City of Claremont	annual tune-up & CE test	1-time test	pending	
Merrimack County 1300164	99.95% CE annual tune-up & CE test	1-time test	6-Dec-17	0.022
Rockingham County 3301500014	99.99% annual tune-up & CE test	1-time test	11-Apr-18	0.0187
Weeks Medical Center	annual tune-up & CE test	1-time test	pending	
Holderness School 900137	99.998% annual tune-up & CE test	1-time test	15-Dec-15	0.0075 quarterly reporting of <90% capacity required
EMD Millipore 500056	99.95% CE annual tune-up & CE test	1-time test	13-Mar-15 8/21/2018	0.009 0.004
Littleton Regional Healthcare 990224	99.99% CE annual tune-up & CE test	1-time test	17-Mar-14 boiler #1 18-Mar-14 boiler #2	0.056 0.032
Warwick Mills 110129	99.89% CE annual tune-up & CE test	1-time test	30-Sep-14 1-Oct-14	0.018
AVH 7007	99.99% CE annual tune-up & CE test	1-time test	4-Jun-14	0.067