



The State of New Hampshire
Department of Environmental Services



Robert R. Scott, Commissioner

NHPUC 2FEB'18PM3:46

February 1, 2018

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

Re: 4th Quarter Emissions Verification Summary for Certified Renewable Energy Sources (DE 08-024, DE 08-044, DE 08-051, DE 09-008, 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 and REC 15-081)

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_x), 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) (formerly Eversource formerly Public Service Company of New Hampshire (PSNH)) 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

Springfield Power LLC
54 Fisher Corner Rd.
Springfield, NH 03284

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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

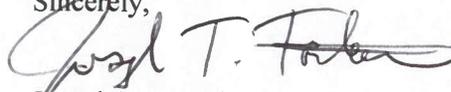
Froling Energy
590 Hancock Road
Peterborough, NH

Keene State College (one boiler only)
229 Main St.
Keene, NH 03435

One newly eligible small (<3 mmBtu/hr) thermal renewable energy sources, namely Bantam Realty Trust, was reported for this quarter. 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: Barbara Bernstein, NH PUC

4th Quarter 2017 Summary		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	0.070	Jun-17	0.002	
PT Bethlehem 900026	0.072	02-May-17 3-year test frequency approved by DES	0.003	
PT Fitchburg	0.067	Jun-17	0.005	
PSNH SR5 1500012	0.066	May-17 3-year test frequency approved by DES	0.0022	
Whitefield 700010	0.071	Jun-17	0.020	
Indeck Energy 900029	not operating	20-Apr-17	0.004	
Springfield Power 1900031	0.060	Jun-17	0.010	
Berlin 790137	0.063	1-Aug-17	0.001	
Bridgewater Power 900021	0.069		n/a under Alternative Plan	
Ryegate	0.074	Jun-17	0.0012	
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 quarterly reporting of <90% capacity required	0.081 0.095
Grafton County Complex	annual tune-up & CE test	1-time test	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 1-time test 1-time test 26-Apr-17	pending pending 0.009	
City of Claremont	annual tune-up & CE test	1-time test	pending	
Merrimack County 1300164	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	0.009	
Littleton Regional Healthcare 990224	99.99% CE annual tune-up & CE test	1-time test 17-Mar-14 18-Mar-14	boiler #1 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	