



The State of New Hampshire
Department of Environmental Services



Robert R. Scott, Commissioner

October 29, 2020

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, REC 15-081, REC 16-546, RREC 16-1214, RREC 17-90015, RREC 17-90017, RREC 18-0351, RREC 18-0485, RREC 18-0492, RREC 19-0181, and RREC 20-0106)

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. not operating

469 Plains Rd
Tamworth, NH 03886
GIS Unit ID #: MSS592

Pinetree Power-Fitchburg, Inc.

2 Rowtier Drive
Westminster, MA 01473
GIS Unit ID #: MSS538

Granite Shore Power (GSP)

Schiller Station #5 not operating

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 not operating

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

Springfield Power LLC not operating

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

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

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_x, 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

Sullivan County Complex
Unity, NH

Maplewood
Westmoreland, NH

Weeks Medical Center
Lancaster, NH

DES communicated directly with PUC staff regarding eligibility for newly eligible small (<3 mmBtu/hr) thermal renewable energy sources.

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: Jason Morse, NH PUC

3rd Quarter 2020		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	not operating	14-Jun-19	0.002	
PT Bethlehem 900026	0.073	17-May-18 3-year test frequency approved by DES	0.004	
PT Fitchburg	0.064	Jun-20	0.005	
GSP SR5 1500012	not operating	May-17 3-year test frequency approved by DES	0.002	
Whitefield 700010	not operating	May-18	0.010	
Springfield Power 1900031	not operating	Jun-18	0.006	
Berlin 790137	0.061	16-Oct-19 3-year test frequency approved by DES	0.003	
Bridgewater Power 900021	0.069		n/a under Alternative Plan	
Ryegate	0.073	Jun-20	0.0009	
Thermal Sources	99% CE	maximum allowed	0.1 lb/mmbtu	
Sullivan County Complex 1900026	99.97% annual tune-up & CE test	5-Dec-18 1-time test	0.049	
Conway Memorial 300006	99.999% 99.993% annual tune-up & CE test	9-Sep-15 10-Sep-15 1-time test	boiler #1 boiler #2	0.081 0.095
Grafton County Complex 900014	annual tune-up & CE test	1-time test	pending	
Froling Energy 500069	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 13-Dec-17 26-Apr-17	boiler #2 boiler #3 boiler #4 0.007 0.024 0.009
Maplewood 500010	99.99% CE annual tune-up & CE test	1-time test	11-Dec-19	0.038
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 790088	99.999% annual tune-up & CE test	1-time test	6/18/2020	0.062
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 990284	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	4-Jun-14 1-time test	0.067	