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: 4th 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-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 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

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 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 300019	0.133 ineligible	26-Apr-18	0.016
PT Bethlehem 900026	0.176 ineligible	02-May-17 3-year test frequency approved by DES	0.003
PT Fitchburg	**0.068**	May-18	0.006
PSNH SR5 1500012	**0.066**	May-17 3-year test frequency approved by DES	0.002
Whitefield 700010	**0.066**	May-18	0.010
Indeck Energy 900029	not operating	20-Apr-17	0.004
Springfield Power 1900031	**0.067**	Jun-18	0.006
Berlin 790137	**0.060**	1-Aug-17	0.001 3-year test frequency approved by DES
Bridgewater Power 900021	**0.068**		n/a under Alternative Plan
Ryegate	**0.074**	May-18	0.0003
Thermal Sources	**99% CE**	**maximum allowed**	**0.1 lb/mmbtu**
Sullivan County Complex	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 0.081 boiler #2 0.095 quarterly reporting of <90% capacity required
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 13-Dec-17 1-time test 13-Dec-17 1-time test 26-Apr-17	boiler #2 0.007 boiler #3 0.024 boiler #4 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	13-Mar-15 1-time test 8/21/2018	0.009 0.004
Littleton Regional Healthcare 990224	99.99% CE annual tune-up & CE test	17-Mar-14 1-time test 18-Mar-14	boiler #1 0.056 boiler #2 0.032
Warwick Mills 110129	99.89% CE annual tune-up & CE test	30-Sep-14 1-time test 1-Oct-14	0.018
AVH 7007	99.99% CE annual tune-up & CE test	4-Jun-14 1-time test	0.067