



Wisdom to make a difference.

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

January 28, 2019

Dear Ms. Howland:

Keene State College (KSC) is pleased to submit this application documenting its newest system expansion for the increased use of the renewable biofuel, **LR100**, and the continued generation of Class 1 Thermal Renewable Energy Credits at the campus heat plant. KSC began using LR100 in 2016 with the first of its three boilers, Boiler No. 4. KSC conducted a stack test with LR100 for Boiler's No. 2 and No. 3 on December 12-13, 2017 in order to expand its use. Since that date, and with PUC's system-expansion approval, KSC started firing LR100 with Boiler No. 2.

KSC has yet again expanded the use of LR100 in Boiler No. 3 as of September 14, 2018. This latest expansion means that the KSC heat plant is now fossil-free, running on 100% renewable fuel. This is a major accomplishment for the College, the University System, and our region.

Please see the accompanying system expansion application and supporting documents. KSC requests that the PUC approve this system expansion starting October 1, 2018. This application includes verification that the monitoring method meets PUC standards, which is the same procedure and data acquisition in place for boilers No. 2 and No. 4. The independent monitor, Twin State Engineering, confirms that data from boiler No. 3 is accurately reported to the New England Power Pool General Information System (NEPOOL GIS) as required. The PUC will find that no mechanical or data acquisition equipment, processes or procedures have changed to allow for this expansion. Rather, Boiler No.3 systematically reports its thermal energy production to our independent monitor, as it has for Boilers 2 and 4. It has been our objective from the start to be able to seamlessly expand our system, avoiding extraneous cost, as we increased our use of LR100.

KSC is proud to have now converted 100% of our heat plant fuel to a renewable source, thus improving the air quality in the Monadnock region. We are so grateful to the PUC and The Thermal REC program, as both have made this project financially viable for this campus.

Sincerely,



Diana Duffy

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