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**State of Vermont
Public Service Board
MEMORANDUM**

To: Members of the Legislative Committee on Administrative Rules

From: Kevin Fink, ^{KF} Policy Analyst, Vermont Public Service Board

Date: May 16, 2017

Subject: Final Proposed Rule Entitled "Rule on Sound Levels from Wind Generation Facilities"

Due to the lengthy content and technical nature of a number of the standards incorporated by reference in the Public Service Board ("Board") proposed rule entitled "Rule on Sound Levels from Wind Generation Facilities," the Board has not included copies of each of the incorporated standards for each member of the committee. In lieu of such inclusion, a description of the standards proposed to be incorporated is provided below. In addition, the Board is happy to provide a copy of the text of the standards if needed.

ISO 9613-2:1996: ISO 9613-2 provides a methodology for modeling the attenuation of sound from a source in order to predict sound levels at various distances from that source.

ANSI S1.13, Annex A: This standard provides a measurement protocol used to identify whether a sound results in prominent discrete-frequency tones.

IEC 61400-11: This standard prescribes measurement procedures that standardize the process for measuring the sound power level of a wind turbine at the source.

American National Standard Specifications for Sound Level Meters, ANSI S1.4: This standard sets requirements for the accuracy of sound level meters used in sound monitoring.

IEC 61672-1: This standard establishes performance specifications for sound level meters.

American National Standard Specification for Octave-Band and Fractional Octave-Band Analog and Digital Filters, ANSI S1.11: This standard establishes requirements for measuring the tonal quality of sound using filters within specified frequencies.

IEC 61260: This standard prescribes requirements for the periodic testing of octave-band and fractional-octave-band filters used to measure the tonal quality of sound.

American National Standard Specification for Acoustical Calibrators, ANSI S1.40: This standard prescribes performance requirements for acoustical calibrators used to confirm the accuracy of acoustical measurement instruments.

ISO 1996-2: This standard provides a methodology for determining sound pressure levels at a site, including a methodology for measuring the tonal quality of sounds and incorporating assessments of tonality into an overall sound level measurement.

Vermont Department of Public Service Protocol for Handling Complaints about a Violation of the Terms and Conditions of a Certificate of Public Good: This protocol adopted by the Vermont Department of Public Service (“Department”) establishes a procedure that the Department uses to investigate complaints of violations of a certificate of public good (“CPG”), including procedures that CPG holders are required to abide by when handling complaints.