

**THE STATE OF NEW HAMPSHIRE  
BEFORE THE  
SITE EVALUATION COMMITTEE  
DOCKET NO. 2015-04**

**AMENDED PRE-FILED TESTIMONY OF WILLIAM H. BAILEY**

**APPLICATION OF PUBLIC SERVICE COMPANY OF NEW HAMPSHIRE  
D/B/A EVERSOURCE ENERGY  
FOR A CERTIFICATE OF SITE AND FACILITY FOR CONSTRUCTION OF A NEW  
115 kV TRANSMISSION LINE**

**THE SEACOAST RELIABILITY PROJECT**

**March 29, 2017**

1 **Qualifications**

2 **Q. Please state your name and business address.**

3 A. My name is William H. Bailey. I am employed by Exponent, Inc. (“Exponent”), a  
4 scientific and engineering firm, located in the Maryland Science and Technology Center at  
5 17000 Science Drive, Suite 200, Bowie, Maryland, 20715.

6 **Q. What is your position at Exponent?**

7 A. I am a Principal Scientist in the Center for Health Sciences.

8 **Q. Please describe your background, experience and qualifications.**

9 A. My background and qualifications were included in my direct pre-filed testimony  
10 filed with the NH SEC Application dated April 12, 2016 and have not changed since then.

11 **Purpose of Testimony**

12 **Q. What is the purpose of this supplemental testimony?**

13 A. The purpose of my testimony is to provide additional information to the SEC in  
14 support of PSNH’s Amendment to the original Application dated April 12, 2016.

15 **Amended Project Description**

16 **Q. Have you reviewed the amended Project Description submitted to the SEC?**

17 A. Yes, I have. I have also reviewed the *Electric and Magnetic Fields Summary*,  
18 *Seacoast Reliability Project, Amended Calculations* prepared by Eversource Energy and  
19 submitted along with the Application Amendment as Appendix 41(a).

20 **Q. Does the amended Project Description change anything in your previously**  
21 **filed testimony?**

22 A. While the range of electric and magnetic field levels associated with Project  
23 operation that I evaluated and summarized in my pre-filed testimony are not changed by the  
24 proposed modifications to the original design in the Application, these modifications are  
25 calculated to lead to small increases and decreases in levels of electric and magnetic fields at the  
26 edges of right-of-way of those modified sections of the route. The amended calculations are  
27 provided in the *Electric and Magnetic Fields Summary Seacoast Reliability Project, Amended*  
28 *Calculations*, Appendix 41(a).

29 Among these sections, the most notable change—the undergrounding of just over 0.5  
30 additional miles of the Project transmission line in the areas of the Flynn Pit Town Forest, Darius  
31 Frink Farm, and the Hannah Lane neighborhood—will result in lower post-project levels of both

1 electric and magnetic fields. Altogether, the calculated levels of electric and magnetic fields  
2 associated with the operation of some segments of the proposed Project are similar to the field  
3 levels associated with unmodified line sections and also are not markedly different from the  
4 existing field levels along the route.

5 **Q. In consideration of these changes, do the conclusions in your pre-filed**  
6 **testimony of April 4, 2016 remain the same?**

7 A. Yes, they do.

8 **Q. Does this conclude your amended testimony?**

9 A. Yes, it does.