

THE STATE OF NEW HAMPSHIRE
BEFORE THE NEW HAMPSHIRE PUBLIC UTILITIES COMMISSION
PREPARED KENNETH B. BOWES
TRANSMISSION COST ADJUSTMENT MECHANISM (TCAM)
Docket No. DE 17-081

1 **Q. Please state your name, business address and your present position.**

2 A. My name is Kenneth B. Bowes. My business address is 56 Prospect Street,
3 Hartford, CT 06141. I am a Vice President of Transmission Performance at
4 Eversource Energy (“Eversource”).

5 **Q. Have you previously testified before the Commission?**

6 A. No, but I have testified before the New Hampshire Site and Evaluation Committee,
7 as well as the Federal Energy Regulatory Commission and state regulatory
8 agencies in Massachusetts and Connecticut.

9 **Q. What are your current responsibilities?**

10 A. I am responsible for the leadership and direction of the Eversource Energy
11 transmission business unit with respect to short and long term customer impacts
12 and benefits as measured by transmission performance indicators, development of
13 plans for compliance with FERC and state regulatory requirements, and
14 compliance of transmission operations with regulatory requirements and
15 Eversource Energy benchmarks. I serve as a technical consultant for various large
16 transmission projects, and provide expert testimony in regulatory proceedings

1 concerning them. I am currently actively involved with the siting and permitting of
2 Northern Pass Transmission and the Seacoast Reliability Project, both before the
3 New Hampshire Site Evaluation Committee.

4 **Q. Please describe your educational background.**

5 A. I hold a Bachelor of Science degree in Electrical Engineering from the University
6 of New Hampshire in Durham, New Hampshire and a Master's of Science degree
7 in Electrical Engineering from Rensselaer Polytechnic Institute in Hartford,
8 Connecticut.

9 **Q. Please describe your professional experience.**

10 A. I presently serve on the Edison Electric Institute ("EEI") Transmission Committee
11 and the EEI Security Committee. As a result of my work at Eversource, I have
12 received awards from EEI for Emergency Recovery Award in 2013, Emergency
13 Assistance Award in 2013, the Institute of Electrical and Electronic Engineers
14 ("IEEE"), Power Engineering Society, Working Group Award in 1998. I have
15 considerable engineering and operations experience in the many areas of
16 transmission and distribution, including engineering, construction, maintenance
17 and operations. I have overseen the entire project life-cycle for numerous
18 transmission line and substation projects for Eversource and have served as a
19 company officer and director in a variety of roles in support of our transmission
20 and distribution systems. I previously held the role of Director of Transmission
21 Projects where I was responsible for the siting, permitting, engineering, design,

1 construction, testing and commissioning of more than 500 transmission projects in
2 New England totaling more than \$2 billion in investments. Specific projects
3 included the: Long Island Replacement Cable, Glenbrook Cables Projects,
4 Killingly Substation, Fitzwilliam Substation, 345-kV autotransformer additions at
5 Haddam, Barbour Hill, Scobie Pond, Deerfield, Berkshire and Ludlow. Prior to
6 this role, I was the Director of Transmission Construction, Test & Maintenance
7 responsible for the field operations, construction and maintenance of the
8 Eversource transmission system. Previous to this position I was the Director of
9 Transmission & Distribution maintenance responsible for the field operations and
10 maintenance of the Eversource transmission, substation and distribution systems
11 including the transmission rights-of-way maintenance.

12 **Q. What is the purpose of your testimony?**

13 A. The purpose of my testimony is to describe the transmission planning process at
14 ISO-NE and to provide a detailed description of the projects included in the LNS
15 rates that have been included as part of this TCAM filing consistent with the
16 directive of Order No. 25,912 dated June 28, 2016 in Docket No. DE 16-566.

17 **Q. Will anyone else be providing testimony in support of this filing?**

18 A. Yes. Lois B. Jones will be filing testimony in support of the proposed retail
19 transmission rates. In her testimony, she will detail the rates applicable to each
20 individual rate class. Christopher J. Goulding will be filing testimony of the
21 calculation of Eversource's TCAM rates effective July 1, 2017 as well as the

1 reconciliation of actual transmission costs through the reconciliation period ending
2 May 2017.

3 **Q. What information have you provided to meet the requirements of Order No.**
4 **25,912, dated June 28, 2016, in Docket No. DE 16-566?**

5 A. With respect to the ISO-NE transmission planning process, it is a regionally
6 coordinated process conducted periodically to reliably meet customer demand
7 throughout the region. Broadly speaking, there is an extensive stakeholder process
8 to identify the various needs of the electrical system and the potential solutions to
9 those needs through the development of a regional system plan. As part of that
10 process ISO-NE will review potential transmission solutions, and, in parallel,
11 market participants can develop and propose market alternatives that would
12 resolve the identified needs. Eventually, a preferred solution is selected to address
13 the identified need.

14 Eversource employs similar methods to develop a local system plan to address
15 more localized needs of the electric system. A more complete description of this
16 process is contained in the latest Least Cost Integrated Resource Plan submitted on
17 June 19, 2015 in Docket No. 15-248. Bates pages 18-20 of that filing provide
18 descriptions and links to information on both the regional and local system
19 planning processes.

1 Additionally, as Attachment KBB-1, I have provided the Actual 2016 Projects in
2 Service greater than \$5 million included in Schedule 21-ES, Category A (Local
3 Network Service) for The Connecticut Light and Power Company (“CL&P”),
4 Public Service Company of New Hampshire (“PSNH”), and Western
5 Massachusetts Electric Company (“WMECO”) that are included in the LNS
6 expenses in this filing. The attachment includes CL&P, PSNH and WMECO
7 because all LNS customers (including PSNH retail customers) pay an average rate
8 under Schedule 21-ES. The attachment details the projects by individual company,
9 project title, total project investment amount and what portion of the project is
10 classified by ISO-New England as a Pool Transmission Facility (“PTF”).

11 **Q. Does this conclude your testimony?**

12 **A. Yes, it does.**