

Qualifications of Stephen R. Eckberg

My name is Stephen R. Eckberg. I am employed as a Utility Analyst with the Electric Division of the New Hampshire Public Utilities Commission. My business address is 21 S. Fruit Street, Suite 10, Concord, New Hampshire 03301.

I earned a B.S. in Meteorology from the State University of New York at Oswego and an M.S. in Statistics from the University of Southern Maine.

After receiving my M.S. degree, I was employed as an analyst in the Boston office of Hagler Bailly, Inc, a consulting firm working with regulated utilities to perform evaluations of energy efficiency and demand-side management programs. From 2000 through 2003, I was employed at the NH Governor's Office of Energy and Community Services (now the Office of Strategic Initiatives) as the Director of the Weatherization Assistance Program. Following that, I was employed at Belknap Merrimack Community Action Agency as the Statewide Program Administrator of the NH Electric Assistance Program (EAP). In that capacity, I presented testimony before the NH Public Utilities Commission in dockets related to the design, implementation and management of the EAP. I have also testified before Committees of the New Hampshire General Court on issues related to energy efficiency and low income electric assistance. From 2007 – 2014 I was employed as a Utility Analyst with the New Hampshire Office of the Consumer Advocate (OCA). During my tenure with the OCA, I attended rate making and regulatory training at New Mexico State University's Center for Public Utilities.

In my position with the OCA, I entered pre-filed testimony jointly with Kenneth E. Traum, former Assistant Consumer Advocate, in the following dockets:

- DG 08-048 Unitil Corporation and Northem Utilities, Inc. Joint Petition for Approval of Stock Acquisition
- DW 08-070 Lakes Region Water Company Financing & Step Increase

- DW 08-098 Aquarion Water Company of New Hampshire
- DE 09-035 Public Service of New Hampshire Distribution Service Rate Case

I have also entered (non-joint) pre-filed testimony in the following dockets:

- DT 07-027 Kearsarge Telephone Company, Wilton Telephone Company, Hollis Telephone Company & Merrimack County Telephone Company Petition for Alternative Form of Regulation. Phase II & Phase III.
- DW 08-073 Pennichuck Water Works, Inc. Petition for Rate Increase
- DW 08-070 Lakes Region Water Company Third Step Increase.
- DW 08-065 Hampstead Area Water Company Petition for Rate Increase.
- DE 09-170 2010 CORE Energy Efficiency Programs.
- DW 10-090 Pittsfield Aqueduct Company Petition for Rate Increase.
- DW 10-091 Pennichuck Water Works Petition for Rate Increase.
- DW 10-141 Lakes Region Water Petition for Rate Increase.
- DE 10-188 2011-2012 CORE and Natural Gas Energy Efficiency Programs.
- DE 11-250 PSNH Installation of a Wet Flue-Gas Desulphurization Scrubber
- DE 12-262 2013-2014 CORE and Natural Gas Energy Efficiency Programs.
- DE 12-292 PSNH 2013 Energy Service Rate.
- DE 12-262 2014 CORE Energy Efficiency Programs Update Filing
- DE 13-108 PSNH 2012 Energy Service Reconciliation
- DG 14-091 Liberty Utilities Special Contract and Lease Agreement with Innovative Natural Gas, LLC dba iNATGAS

In August 2014, I joined the PUC's Sustainable Energy Division. While employed there, I filed testimony in:

- DE 18-140 Liberty Utilities Petition for Approval of a Renewable Natural Gas Supply and Transportation Contract

In October 2019, I joined the PUC's Electric Division. Since joining I have filed testimony in:

- DE 17-136 2018-2020 New Hampshire Statewide Energy Efficiency Plan - 2020 Third Year Programs

Qualifications of Jason J. Morse

My name is Jason J. Morse. I am employed as a Utility Analyst with the Sustainable Energy Division of the New Hampshire Public Utilities Commission. My business address is 21 S. Fruit Street, Suite 10, Concord, New Hampshire 03301.

I earned a B.S. in Business Administration from the University of New Hampshire's Whittemore School of Business and Economics in 2010. I also earned a M.L.A. in Sustainability from Harvard University's Extension School in 2018.

After receiving my B.S. degree, I was employed as an Analyst in the Manchester, NH office of GDS Associates, a consulting firm specializing in energy efficiency, renewable energy, and utility matters. I performed various roles during my seven years at GDS Associates, including analysis, consulting, and studies for entities such as Public Utilities Commissions and NYSERDA. In addition, I consulted with clients such as business owners, facilities managers, finance directors, builders, architects, and homeowners and performed energy audits, benchmarking ratings, and inspections. I also helped administer and deliver energy efficiency programs for a variety of utilities. I received a variety of certifications during this time, including Certified Energy Manager and Home Energy (HERS) Rater.

In January 2019 I was employed as a Utilities Analyst at the New Hampshire Public Utilities Commission in the Sustainable Energy Division. In this role I have specialized in matters regarding renewable and sustainable energy including the New Hampshire Renewable Portfolio Standard and Renewable Energy Fund. I serve as the manager of multiple incentive programs. I have also provided analysis for a variety of other matters at the Commission, such as rulemaking proceedings. During 2019 I attended rate making and regulatory training at New Mexico State University's Center for Public Utilities.

This pre-filed joint testimony in DE 19-197 is the first time that I have submitted testimony.

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03/14/2019 1030s
8May2019... 1719h

2019 SESSION

19-1025
06/05

SENATE BILL ***284-FN***

AN ACT establishing a statewide, multi-use online energy data platform.

SPONSORS: Sen. Fuller Clark, Dist 21; Sen. Dietsch, Dist 9; Rep. Balch, Hills. 38; Rep.
 McGhee, Hills. 40

COMMITTEE: Energy and Natural Resources

AMENDED ANALYSIS

This bill establishes a statewide online energy data platform regulated by the public utilities commission and operated by the state's electric and natural gas utilities.

Explanation: Matter added to current law appears in ***bold italics***.
 Matter removed from current law appears ~~[in brackets and struckthrough.]~~
 Matter which is either (a) all new or (b) repealed and reenacted appears in regular type.

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STATE OF NEW HAMPSHIRE

In the Year of Our Lord Two Thousand Nineteen

AN ACT establishing a statewide, multi-use online energy data platform.

Be it Enacted by the Senate and House of Representatives in General Court convened:

1 286:1 Findings. The general court finds that:

2 I. In order to accomplish the purposes of electric utility restructuring under RSA 374-F, to
3 implement fully the state energy policy under RSA 378:37, and to make the state's energy systems
4 more distributed, responsive, dynamic, and consumer-focused, it is necessary to provide consumers
5 and stakeholders with safe, secure access to information about their energy usage. Access to
6 granular energy data is a foundational element for moving New Hampshire's electric and natural
7 gas systems to a more efficient paradigm in which empowering consumers is a critical element. By
8 enabling the aggregation and anonymization of community-level energy data and requiring a
9 consent-driven process for access to or sharing of customer-level energy usage data, the state can
10 open the door to innovative business applications that will save customers money, allow them to
11 make better and more creative use of the electricity grid as well as other utility services, and
12 facilitate municipal and county aggregation programs authorized by RSA 53-E. Such a program of
13 robust data is also likely to be useful in local planning, conducting market research, fostering
14 increased awareness of energy consumption patterns, and the adoption of more efficient and
15 sustainable energy use.

16 II. Implementation of a multi-use, online data platform is, in light of electric industry
17 restructuring pursuant to RSA 374-F, well calculated to advance the objectives of recent and ongoing
18 proceedings at the public utilities commission, including IR 15-296 (Grid Modernization), DE 16-576
19 (Alternative Net Metering Tariffs), DE 15-137 (Energy Efficiency Resource Standard), and DE 17-
20 136 (implementation of Energy Efficiency Resource Standard for 2018-2020).

21 286:2 New Subdivision; Multi-Use Energy Data Platform. Amend RSA 378 by inserting after
22 section 49 the following new subdivision:

23 Multi-Use Energy Data Platform

24 378:50 Definitions. In this subdivision:

25 I. "Data sharing" means providing data and accessing data provided by others.

26 II. "Individual customer data" means the customer's name, address, opt-in status pursuant
27 to RSA 374:62, energy usage as recorded by meters supplied by electric and natural gas utilities, and
28 other data segments established and authorized by the commission.

29 III. "Third party" means:

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- 1 (a) Any service provider within the meaning of RSA 363:37, II other than a utility; and
2 (b) The office of the consumer advocate established pursuant to RSA 363:28.

3 378:51 Online Energy Data Platform Established.

4 I. The commission shall require electric and natural gas utilities to establish and jointly
5 operate a statewide, multi-use, online energy data platform. The data platform shall:

6 (a) Consist of a common base of energy data for use in wide range of applications and
7 business uses.

8 (b) Adhere to specific and well-documented standards.

9 (c) Provide a user-friendly interface.

10 (d) Adhere to a common statewide logical data model that defines the relationships
11 among the various categories of data included in the platform.

12 (e) Allow for sharing of individual customer data consistent with the opt-in requirements
13 for third-party access specified in RSA 363:38.

14 (f) Protect from unauthorized disclosure the personally identifying information of utility
15 customers in a manner that advances applicable constitutional and statutory privacy rights,
16 including the protections of RSA 363:38.

17 (g) Provide for the voluntary participation of municipal utilities and deregulated rural
18 electric cooperatives in data sharing and the operation of the online energy data platform, subject to
19 terms, conditions, and cost sharing which are reasonable and in the public interest.

20 II. The commission shall open an adjudicative proceeding within 90 days of the effective
21 date of this subdivision, to which all electric and natural gas utilities shall be mandatory parties, to
22 determine:

23 (a) Governance, development, implementation, change management, and versioning of
24 the statewide, multi-use, online energy data platform.

25 (b) Standards for data accuracy, retention, availability, privacy, and security, including
26 the integrity and uniformity of the logical data model.

27 (c) Financial security standards or other mechanisms to assure compliance with privacy
28 standards by third parties.

29 III. The commission shall defer the implementation of the statewide, multi-use, online
30 energy data platform pursuant to paragraph I if it determines that the cost of such platform to be
31 recovered from customers is unreasonable and not in the public interest.

32 IV. The commission may adopt rules pursuant to RSA 541-A as necessary to implement this
33 section.

34 378:52 Platform Requirements. The utilities shall:

35 I. Design and operate the energy data platform to provide opportunities for utilities, their
36 customers, and third parties to access the online energy data platform and to participate in data
37 sharing.

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1 II. Require, as a condition of accessing the online energy data platform, that a third party
2 complete a qualification and registration process to ensure that any customer data downloaded from
3 the platform remains in a safe, secure environment according to data privacy standards established
4 by the commission.

5 III. Administer the online energy data platform in a manner consistent with RSA 363:38.
6 378:53 Certification. The platform established under RSA 378:51 shall be certified by the Green
7 Button Alliance and support the Energy Service Provider Interface of the North American Energy
8 Standards Board and the Green Button "Connect My Data" initiative of the Green Button Alliance.

9 378:54 Cost Recovery. The utilities may:

10 I. Impose reasonable charges to third parties for access to data via the multi-use, online
11 energy data platform; and

12 II. Otherwise recover costs from customers in a timely manner as approved by the
13 commission.

14 286:3 Effective Date. This act shall take effect 60 days after its passage.

Approved: July 19, 2019
Effective Date: September 17, 2019