

**STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION**

Pittsfield Aqueduct Company, Inc.

Petition for Authority to Issue Long Term Debt

State Revolving Loan Fund

Catamount Road Transmission Main Improvement

DW 15-__

DIRECT PREFILED TESTIMONY OF JOHN J. BOISVERT

February 2, 2015

1 **Professional and Educational Background**

2 **Q. What is your name and what is your position with Pennichuck East Utility, Inc.?**

3 A. My name is John J. Boisvert. I am the Chief Engineer of Pennichuck Water Works, Inc.
4 ("PWW"), which provides services to Pittsfield Aqueduct Company ("PAC" or the
5 "Company") pursuant to a management allocation agreement. I have worked for PWW
6 since February 1, 2006. I am a licensed professional engineer in New Hampshire and
7 Maine.

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

9 A. I have a Bachelor of Science degree and a Master of Science degree in Civil Engineering
10 from the University of New Hampshire in Durham, New Hampshire. I also have a
11 Master's degree in Environmental Law and Policy from Vermont Law School in South
12 Royalton, Vermont.

13 **Q. Please describe your professional background.**

14 A. Prior to joining PWW, I served as a Team Leader for Weston & Sampson Engineers of
15 Portsmouth, New Hampshire in their Water Practices Group from 2000 to 2006. Prior to
16 Weston & Sampson I was employed by the Layne Christensen Company of Shawnee
17 Mission, Kansas as Regional Manager for their Geosciences Division in Dracut,
18 Massachusetts from 1994 to 2000. I completed graduate school in 1992 and was
19 employed by Hoyle, Tanner, & Associates of Manchester, New Hampshire as a Project
20 Engineer from 1992 to 1994. Prior to entering full time graduate programs at the
21 University of New Hampshire and Vermont Law School I was employed by Civil
22 Consultants of South Berwick, Maine as a Project Engineer from 1986 to 1989 and by

1 Underwood Engineers of Portsmouth, New Hampshire as a project Engineer from 1985
2 to 1986.

3 **Q. What are your responsibilities as Chief Engineer of the Company?**

4 A. As Chief Engineer, I am responsible for the planning, design, permitting, construction,
5 and startup of major capital projects, including pipelines, reservoirs/dams, building
6 structures, pumping facilities, treatment facilities, and groundwater supplies. I provide
7 regular technical assistance to PWW's Water Supply Department, Operations
8 Department, Customer Service Department, and Senior Management.

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

10 A. I will be describing the proposed Company project to install approximately 1,350 linear
11 feet ("LF") of 8-inch diameter PVC water main on Fairview Road in Pittsfield, New
12 Hampshire (hereinafter referred to as the "Project"). The Company is seeking approval
13 to finance the Project with the proceeds of a loan to be issued by the New Hampshire
14 Department of Environmental Services ("NHDES") through the State Revolving Fund
15 ("SRF"). Please see Exhibit JJB-1 for the NHDES letter offering SRF Loan funds for
16 this project.

17 **Q. What is the purpose of the Project?**

18 A. The source of water supply for Pittsfield is Berry Pond. Water from Berry Pond is
19 treated at the Company's Water Treatment Plant (WTP) on Catamount Road as shown in
20 the map included in Exhibit JJB-2. The WTP also includes the water system's only
21 storage reservoir of 500,000 gallons. The reservoir buffers peak demand and provides for
22 fire flow. Treated water is conveyed to customers in the downtown area of Pittsfield by a
23 single water main of 12-inch diameter ductile iron and 10-inch diameter cast iron. The

1 single pipeline travels approximately 7,000 feet from the WTP before it connects to other
2 distribution lines that offer parallel pathways for water to flow into town. A failure of
3 this single transmission main separates the vast majority of customers from the water
4 source and fire protection until repairs can be made. In addition, failure of the
5 transmission main would increase the risk of system wide contamination. Adding 1,300
6 feet of water main on Fairview Road will provide an interconnection between two dead
7 end pipes. This addition will reduce the length of the transmission main that is not
8 paralleled (backed up) by approximately 2,700 feet.

9 **Q. Is the Company planning to address the remaining 4,300 feet of un-paralleled**
10 **transmission main in the future?**

11 A. Yes. The Company has identified projects in 2016 and 2017 that complete the additional
12 4,300 feet of water main to complete a redundant pipeline.

13 **Q. Please describe the estimated timeline required to complete the projects in 2015.**

14 A. The NHDES would like to finalize the loan documents associated with this loan on or
15 before May 1, 2015. The NHDES cannot finalize the loan documents without the
16 NHPUC approving the proposed financing for this project. The list below provides an
17 estimated timeline for the project:

18 Regulatory Approvals and Permits with Estimated Dates

- 19 1. Company Board of Directors approved the SRF loan and Pennichuck
20 Corporation guarantee) – January 23, 2015. (COMPLETED)
- 21 2. File financing petition with Commission – February 2, 2015.
- 22 3. File for Shareholder approval of financing – request for approval filed with City
23 of Nashua – February 2, 2015.

1 4. NHPUC approval of Financing – request for order approving financing, on or
2 before April 18, 2015.

3 5. Sign SRF Loan Documents for all Projects – on or before May 15, 2015.

4 Pittsfield Water Main Project Design and Construction with Estimated Dates

5 1. Complete Engineering Design – April 15, 2015.

6 2. NHDES approval of proposed design – May 1, 2015 for Pittsfield

7 3. Bid Pittsfield water main replacement project – May 15, 2015.

8 4. Open bids for Pittsfield water main replacement project – June 10, 2015.

9 5. Construction begins on Pittsfield project – June 30, 2015.

10 6. Pittsfield project substantial completion – November 30, 2015

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

12 **A. Yes.**