

STATE OF NEW HAMPSHIRE
BEFORE THE
PUBLIC UTILITIES COMMISSION

ORIGINAL	
N.H.P.U.C. Case No.	DW 13-126
Exhibit No.	#3
Witness	L. Goodhue D. Ware J. Laflamme
DO NOT REMOVE FROM FILE	

Pennichuck East Utility, Inc.

DW 13-126

SUPPLEMENTAL TESTIMONY OF JOHN J. BOISVERT
IN SUPPORT OF STEP ADJUSTMENT RATES

September 2013

Q. Please state your full name and business address.

A. My name is John J. Boisvert. I am the Chief Engineer for Pennichuck Water Works, Inc., Pennichuck East Utility, and Pittsfield Aqueduct Company located at 25 Manchester Street in Merrimack, New Hampshire.

Q. Have you provided written testimony in this proceeding?

A. Yes, I provided written testimony dated May 31, 2013 in this proceeding

Q. What is the purpose for this supplemental testimony?

A. The purpose of this supplemental testimony is to provide detail on specific capital projects completed or to be completed in 2013 for which rate relief is requested as described in Mr. Ware's testimony and detailed in Tab 11 of the filing.

Q. Does this supplemental testimony change your prefiled testimony or any part of it?

A. No.

Q. What is the nature of the supplemental testimony that you will be providing?

A. I will be describing five (5) projects that the Company is requesting as part of the Step Increase. The projects are as follows:

1. Locke Lake Dam Site Road Area Phase 2 Main Replacement

Project Amount: \$400,000.00

This project includes the replacement of approximately 6,800 LF of small diameter PVC water main in the Locke Lake Water System located in Barnstead, New Hampshire. This project is another phase in the long term plan to replace all of the substandard water main in Locke Lake. The project is under contract and will be receiving financing through the New Hampshire Department of

Environmental Services (NHDES) Revolving Loan Fund (SRF). The Commission approved the financing in Order 25,541 on July 9, 2013.

2. The Avery Water System and Hudson Interconnection

Project Amount: \$450,000.00

The Avery Water System (Avery Project), located in Londonderry, will be interconnected with the Town of Hudson Water system via a new water booster station and 2,400 LF of new water main. The Avery Water System is an independent Community Water System that provides water service to 47 customers. The Avery Water System is located in Londonderry, NH. The existing Avery Station, treatment and atmospheric tanks are in need of replacement. The Company currently treats the water for hardness, arsenic, iron & manganese control, corrosion control, disinfection, sediment filtration and radon. The Company evaluated three options to correct the current water quality problems, deteriorating building and rusting atmospheric tanks:

1. Rebuild the Avery Booster Station, storage and treatment systems.
2. Interconnect the Avery CWS to the Town of Hudson water system.
3. Interconnect the Avery CWS to the Londonderry Core Water System.

The Company completed a detailed analysis of whether onsite treatment or one of the interconnection options provided the lowest life cycle cost as part of financing testimony in Docket DW 13-125. The project will be financed through the SRF.

The Commission approved the financing in Order 25,541 on July 9, 2013.

3. Emergency Generator Installations

Emergency generators along with the required electrical system modifications and fuel supplies were installed at the following community water systems in 2013.

This is an ongoing effort by the Company to ensure uninterrupted water service during a short term or extended power outage.

Location: Pine Haven CWS Londonderry Project Amount: \$20,705.33

Location: Hardwood CWS Windham Project Amount: \$31,439.59

Location: Sunrise Estates CWS Middleton Project Amount: \$15,961.33

Location: Shaker Heights CWS Chester Project Amount: \$17,955.33

Location: Gage Hill CWS, Pelham Project Amount: \$15,961.33

Location: Forest Hills CWS, Londonderry Project Amount: \$18,499.52

Location: Farmstead CWS, Derry Project Amount: \$15,969.52

Location: Beaver Hollow CWS, Sandown Project Amount: \$16,175.33

4. Liberty Tree Estates Station Replacement

The Liberty Tree water system serves 72 residential customers. The project replaces the existing undersized and deteriorated pumping and treatment station located on Washington Drive in Raymond, New Hampshire. The existing station includes the electrical controls for the well pumps, booster pumps and the treatment system. Treatment consists of softening to reduce hardness and to some extent reduce iron and manganese. Softening is followed by phosphate addition and chlorination. The existing wells have sufficient capacity for the water system. However, levels of iron and manganese have risen over time such that treatment by filtration is necessary as sequestering those elements is no longer feasible. The

existing station is too small to accommodate additional equipment. Treatment equipment that has been added post construction has filled the entire space within the existing building. The existing building has deteriorated due to age. Constructing an addition to the existing building was considered but was ruled out due to the condition of the existing structure and current site conditions. An interconnection to the Town of Raymond water system was evaluated but was ruled out due to distance and pipeline cost. Complete station replacement was the least cost option. The new station will house all of the treatment equipment, pumps, electrical systems, emergency generator, and communications equipment. The project will be financed through the SRF. The Commission approved the financing in Order 25,248 on July 7, 2011.

5. The Northern Shores Treatment and Generator Improvements

Project Cost: \$4,761.81

The project cost reflects work that carried over from 2012 into 2013. This is for work that could not be completed in the winter of 2012 -2013 including final site grading, loam & seed and final cleanup. This project is described on Page 12 of my original testimony.

Q. Does this complete your supplemental testimony?

A. Yes