

Pennichuck Water Works, Inc.
Proposed 2014 WICA Water Main Projects
Revised 6/12/2014 - PAT

PIPE SEGMENT OR PROJECT NAME	CITY/TOWN	MATERIAL	ORIGINAL LENGTH (FEET)	CURRENT LENGTH (FEET)	EXISTING PIPE DIAMETER (INCHES)	PROPOSED NEW PIPE DIAMETER (INCHES)	ORIGINAL ESTIMATED COST	CURRENT ESTIMATED COST 4/25/14	AGE OF PIPE	PIPE AGE USEFUL LIFE	FULLY DEPREC	BREAK HISTORY	KEY CUSTOMERS	WATER QUALITY	FIRE PROTECTION FLOWS ²	Work coordination with Sewer or Storm Drain Replacement	Subtotal prior to Geographical Area Points	GEOGRAPHICAL PROXIMITY	TOTAL	
Baldwin St - Bridge/RR Crossing	NASHUA	CAST IRON UNLINED	100	100	8	12	\$84,000.00	\$84,000.00	1938	70	YES	1				5	6	2	8	
Baldwin St	NASHUA	CAST IRON UNLINED	1198	1198	8	12	\$280,000.00	\$280,000.00	1938	70	YES	1				5	6	2	8	
Park St	NASHUA	CAST IRON UNLINED	312	312	6	8	\$68,950.00	\$68,950.00	1890	70	YES					5	5		5	
Court St	NASHUA	CAST IRON UNLINED	435	435	8	8	\$47,000.00	\$47,000.00	1931	70	YES					5	5	2	7	
Foundry Street ⁵	AMHERST	TRANSITE	1465	0	6	8	\$234,400.00	\$0.00	1950	70	No					5	5	2	7	
Mack Hill Road (Bridge Crossing) ⁷	AMHERST	TRANSITE	150	300	6	12	\$70,500.00	\$141,000.00	1950	70	No					5	5	2	7	
Boston Post Road	AMHERST	TRANSITE	2052	2052	6	12	\$471,960.00	\$471,960.00	1950	70	No	1				5	6	2	8	
Cross St	AMHERST	TRANSITE	410	410	4	6	\$65,600.00	\$65,600.00	1950	40	YES					5	5	2	7	
Burke St	NASHUA	CAST IRON UNLINED	3160	3160	6	12	\$537,200.00	\$537,200.00	1892-1906	70	YES	1		2		5	8		8	
Eldrige St	NASHUA	CAST IRON UNLINED	410	410	6	6	\$143,500.00	\$143,500.00	1888	70	YES					5	5		5	
Grove Street	NASHUA	CAST IRON UNLINED	260	260	4	4	\$49,400.00	\$49,400.00	1888	70	YES					5	5		5	
Oak Street	NASHUA	CAST IRON UNLINED	520	520	4	6	\$106,600.00	\$106,600.00	1887-1924	40	YES	1		3		5	9	2	11	
Robinson Court	NASHUA	CAST IRON UNLINED	260	260	2	4	\$98,800.00	\$98,800.00	1888	40	YES					5	5	2	7	
Ridge Street ⁵	NASHUA	CAST IRON UNLINED	325	0	4	4	\$71,500.00	\$0.00	1092-1959	40	YES					5	5	2	7	
Cross Street	NASHUA	CAST IRON - LINED IN 2010	350	350	6	6	\$77,000.00	\$77,000.00	1891	70	YES					5	5	2	7	
Broad Street	NASHUA	CAST IRON UNLINED	260	260	6	8	\$81,900.00	\$81,900.00	1903	70	YES			1		5	6	0	6	
North Street ⁶	NASHUA	GALV. STEEL LINED	0	627	2	4	\$0.00	\$102,000.00	1952-1953	50	YES			1		5	6	0	6	
Mulberry Street ⁶	NASHUA	CAST IRON UNLINED	0	50	8	8	\$0.00	\$46,500.00	1932	70	YES			1		5	6	0	6	
Essex Street ⁶	NASHUA	CAST IRON UNLINED	0	372	8	8	\$0.00	\$74,360.00	1897	70	YES			1		5	6	0	6	
Farmount Street ⁶	NASHUA	CAST IRON UNLINED	0	215	6	4	\$0.00	\$31,500.00	1887	70	YES			1	3	5	9	0	9	
Temple Street	NASHUA	CAST IRON UNLINED	1030	1030	10	12	\$278,100.00	\$278,100.00	1908	85	YES					5	5	0	5	
Franklin Street ⁵	NASHUA	CAST IRON UNLINED	264	0	24	24	\$138,735.00	\$0.00	1897	100	YES					5	5	2	7	
Total LF -			12961	12321	Total -		\$2,905,145.00	\$2,791,370.00												
Paving from 2013 projects							\$110,000.00	\$110,000.00												
Valve Replacements			15	@	@	\$ 2,000	=	\$30,000.00	\$30,000.00											
Service Replacements ³ -			28	@	@	\$ 1,962	=	\$54,936.00	\$54,936.00											
Hydrant Replacements			4	@	@	\$ 5,700	=	\$22,800.00	\$22,800.00											
									Planning Contingency ^{8,9} *											
									\$145,257.25											
									\$259,032.25											
Total Estimated WICA \$\$ in 2014 -							\$3,268,138.25	\$3,268,138.25												

- Material Integrity - Rating of 1 point for each break in the last 20 years.
- ISO Fire Ratings - A rating of 1 for each 500 gpm that the flow in the watermain is less than the ISO required rating.
- Number of Service Replacements is the average of the past 5 years. The average cost of a service replacement is the average cost over the past 4 years.
- The City has added to its FY14 projects with projected FY15 projects PWW must complete replacement of its mains when the City replaces its sewer mains.
- Deferred until 2015
- New Projects
- Change in Project Scope
- Contingency revised to reflect difference in \$\$ between original 2014 Estimated WICA amount and the revised 2014 Estimated WICA amount.

A contingency of 5% is carried to account for this.