Exhibit 1 2017-2020 QCPAC Revenue Requirement

Pennichuck Water Works, Inc. DW 18-xxx Schedule A - Modified Revenue Requirement per DW-16-806 Computation of QCPAC Surcharge 1/30/2018

	Step	806 Approved Revenue uirements	I	Requested QCPAC For 2017 Capital Additions pro formas		Su	equested QCPAC archarge for 2017 apital Additions	F	rojected QCPAC For 2018 Capital ditions pro formas (7,8)	Su	ojected QCPAC rcharge for 2018 apital Additions	QCPAC For 2019 Capital Additions pro formas (7,8)	_	CPAC Surcharge for 2019 Capital Additions	QCPAC For 2020 Capital Additions pro formas (7,8)	_	CPAC Surcharge or 2020 Capital Additions
City Bond Fixed Revenue Requirement (CBFRR)		\$7,729,032	\$	-		\$	7,729,032	\$	-	\$	7,729,032	\$ -	\$	7,729,032	\$ -	\$	7,729,032
Operating Expense Revenue Requirement		\$16,927,242	(1) \$	130,538	(4)	\$	17,057,780	\$	314,360	\$	17,372,141	\$ 320,811	\$	17,692,951	\$ 271,909	\$	17,964,860
Annual Principal and Interest Payments		\$6,218,648	(2)	\$344,214	(5)	\$	6,562,862		\$784,156	\$	7,347,018	\$780,799	\$	8,127,817	\$647,483	\$	8,775,300
Principal and Interest Coverage Requirement		1.10	(3)				1.10				1.10			1.10			1.10
Principal and Interest Revenue Requirement	\$	6,840,513				\$	7,219,148			\$	8,081,720		\$	8,940,599		\$	9,652,830
Proposed Revenue Requirement	\$	31,496,787				\$	32,005,960			\$	33,182,892		\$	34,362,582		\$	35,346,722
Current Water Revenues excluding CBFRR		\$20,694,038				\$	23,767,755			\$	24,276,928		\$	25,453,860		\$	26,633,550
Add: City Bond Fixed Revenue Requirement		\$7,729,032				\$	7,729,032			\$	7,729,032		\$	7,729,032		\$	7,729,032
Current Water Revenues with CBFRR	\$	28,423,070				\$	31,496,787			\$	32,005,960		\$	33,182,892		\$	34,362,582
Precent QCPAC Surcharge (9)							1.62%	•			3.68% 5.35%			3.56% 9.10%			2.86% 12.22%

30 year bond with an interest rate of

5%

that was not recovered in DW16-806

- (1) Operating Expense Revenue requirement is the sum of the Total Operating Expenses, Property Tax Expense, Amoritzation Expense and Payroll Tax Expenseas approved in DW16-806
- (2) Annual Principal and interest payments for PWW debt associated with all plant in service as approved in DW16-806
- (3) Principal and interest coverage of 1.10 is as approved in DW16-806
- (4) Reflects the net increase in property taxes associated with the plant placed in service between 1/1/2017 and 12/31/2017 that was not included in DW16-806.
- (5) Annual Principal and interest payments for debt associated with plant placed in service between 1/1/2017 and 12/31/2017 based on a
- (7) QCPAC operating expenses are based on the property taxes for plant added during the year
- year bond with interest rate of 5.0% (8) QCPAC Principal and Interest expenses are based on 30
- (9) QCPAC percent revenue surcharges based on increase in revenues from the previous year, inclusive of QCPAC surcharges.

Exhibit 2 Page 1, 2017 QCPAC Capital Expenditures

Pennichuck Water Works, Inc. DW 18-xxx 2017 QCPAC Capital Expenditures 1/30/2018

	Burlow Develotion	Work Order #	Financing Docket No.	NHPUC Order No.	NH	ate of Fund -FPUC in DV Order 806.5	/16 Project Cost	as of P	Estimated roject Cost as of 11/15/2017	Final Unauditted Project Costs at of 1/19/2018	Community	Taxable	Tax Rate (1)	QCPAC Eligible Annual Tax Expense	t Explanation for Change/Addition/Deletion since 1/18/2017
Project Name/Description Heavy Dump Truck Replacement (#12)	Project Description Heavy Dump Truck Replacement (#12)	1702309	DW14-130			7/2014 Ye			Paid 2014 Bond	A/ 17/ 1010	Merrimack	Tunuoic		S	P&I and property taxes recovered in DW16-806 Step Increase
THE COLUMN TWO IS A SECOND TO THE COLUMN TWO IS A SECOND TWO I	9 Renewed Services with 2014 Bond Fund	Monthly 21, 22, 23	DW14-130	25,735	11/7	7/2014 Part	al		Paid 2014 Bond		Nashua			\$ -	P&I and property taxes recovered in DW16-806 Step Increase
Replace Aging Services	23 Renewed Services with 2018 Bond Fund	Monthly 21, 22, 23	DW17-183	26,101	2/	/2/2018 No	\$ 80	,000 s	40,000	\$ 100,454	Nashua	Yes	.\$ 31.13	5 3,127	
Replace Aging Hydrants	3 Hydrants replaced with 2014 Bond Fund	Monthly 31	DW14-130	25,735	11/7	7/2014 Part	al s 43	2,000	Paid 2014 Bond		Nashua			\$ -	P&I and property taxes recovered in DW16-806 Step Increase
Replace Aging Hydrains	5 Flydrants replaced with 2018 Bond Fund		DW17-183	26,101		/2/2018 No		3	11,000	\$ 18,643	Nashua	Yes	\$ 31.13	\$ 580	the contract of the contract o
Replace Aging Valves	3 Valve Replacements	Monthly 12, 13	DW17-183			/2/2018 No		3	50,000	5 53,122		Yes	\$ 31.13	\$ 1,654	Based on final valve replacement expenditured in 2017.
New Services	2 New Services for Single Family Residential, owner build, per Tarri		DW14-130	25,735	11/7	7/2014 Part	al \$	3	Paid 2014 Bond	\$ 29,648	Nashua	37	S 31-13	8 022	P&I and property taxes recovered in DW16-806 Step Increase P&I and property taxes to be recovered in 2018 QCPAC
	5 New Services for Single Family Residential, owner build, per Tarit		DW17-183	26,101	2/	72/2018 No		2	34,537	\$ 29,648	Nashua	Yes	5 31-13	8 923	P&I and property taxes to be recovered in 2018 QCFAC
Replace Leaded Brass Meters with Lead free brass meters	410 New Meters for Lead Meter exchanges - 5/8"-6	Monthly 50	DW14-130 DW17-183	25,735 26,101	11///	7/2014 Part	al \$ 832	2,000	Paid 2014 Bond 247,266	\$ 267,950	Nashua Nashua	Yes	S 31.13	\$ 8341	P&I and property taxes to be recovered in 2018 OCPAC
<u> </u>	1,410 New Meters for Lead Meter exchanges - 5/8"-6' (NEED ACTUAL 332 Replace 99 failed radios		DW14-130	25,735	11/7	7/2014 Par		-13	Paid 2014 Bond	2 201,230	Nashua	1105	2 34.45	9	P&I and property taxes recovered in DW16-806 Step Increase
Replace Aging meter reading Radios	Replace 238 failed radios	Monthly 54	DW17-183	26,101		/2/2018 Remai	\$ 28	3,000	22,729	S 22.802	Nashua	Yes	\$ 31-13	s 710	P&I and property taxes to be recovered in 2018 QCPAC
E	Ferromagnetic Pipe locators (3)		DW17-183			1/2/2018 No	\$ 10	500 5	10,500	2 22,002	Merrimack	7.00	S	\$	None acquired
Ferromagnetic Pipe locators (3) Heavy Dump Truck Replacement (#86)	Heavy Dump Truck Replacement (#86)		DW17-183			$\overline{}$		0.000 \$	100,000	\$ 102,176	Merrimack	No	S -	5 -	
Service Truck replacement (#47)	Service Truck replacement (#47		DW17-183					0.000 \$	38,950			No	S .	\$ -	
Replacement of Foreman truck	Replacement of Foreman truck					QCPAC sought		2,000	75,000		Mernmack		S =	S =	Deferred until 2018
Replace Dump Truck Body	#312 - Replace Dump Truck Bod			1	"T					\$ 15,740	Merrimack	No			Project added at end of year using existing truck chassie for new dump body.
Medium Duty Dump Truck Replacement (#71)	Medium Dury Dump Truck Replacement (#71)		DW17-183	26,101	2/	/2/2018 No	S 70	0.000 S	70,000	\$ 90,160	Merrimack	No	5 -	\$ -	
Replace Truck #70	Replace Truck #7		DW17-183		2/	/2/2018 No	S	- 8	32,034	\$ 32,034	Merrimack	No			Fruck replaced when transmission failed rather than repair transmission on a 10 year old to
Replace Truck #58	Replace 2006 Truck with 104,000 mile									\$ 6,242	Mernmuck	No			
20 Ton Tag Trailer replacement	20 Ton Tag Trailer replacement		Deferred.	No Bond sour	ight. No C	QCPAC sought	\$ 20	0,000 \$	2		-,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				Deferred
Variable Message Signs - 2	Customer Notification	1702307	DW14-130	25,734	11/7	7/2014 Ye	\$ 30	0.000 1	Paid 2014 Bond						P&I and property taxes recovered in DW16-806 Step Increase
Replacement Radio Meter Reading Equipment (4)	Replace 10 year old radio meter reading handheld unit		DW14-130						Paid 2014 Bond						P&I and property taxes recovered in DW16-806 Step Increase
Pipe Saws (5)	Pipe Saws (5	1800440	DW17-183					0,000 5			Merrimack				
Metal Detectors (6)	Metal Detectors (6	1708348	DW17-183					7.000 \$	6,360						
Replacement Excavator	Replacement Excavator		DW17-183					5,000 \$	69,554	\$ 69,554		No		0	Dan C C I I I I I I I I I I I I I I I I I
Complete construction of 16 DW Highway	Final billing for the completion of work by contractor at 16 DW Highwa		DW17-183		2/		-\$	- \$	67,050			Yes	\$ 31.32	\$ 2,040	Billing from final work on 16 DW not carried over in original budget
MRN meter reading device	MRX meter reading device		DW17-183	26,101	2/	1/2/2018 No	S	- 5	8,190	3,000		No			Existing 8 year old meter reading device failed
GPS Units	Trimble Device	1713734						_		S 21,287	Merrimack	No			Devices purchased early to support field deployment of GIS.
			DATE:			. (2045			Paid for by SRF	\$ 176,829	Merrimack	Yes	\$ 31,32	\$ 5,538	Charges are for Internal engineering, OH, Union Labor, truck and AFDUC. These expenseligible for SRF funding.
Raw Water Transmission Main project	Finalization of 2016 project	1601365, 1701991	DW15-046	25,774	4/13	3/2015 Ye	3	-				-		0	100
ia & Amherst Paving Fin	nal paving associated with watermain projects				_		\$ 1,100	0,000			A PART OF THE PART		S -	5 +	Budget Placeholder
Nashua & Amherst Paving	Park Street Water Main Replacement project pavin		DW17-183		2/	2/2/2018 No		5	4,908			Yes	S 31-13	S 153	Budgetted under Final Paving associated with water main replacement projects
Nashua & Amherst Paving	Mulherry Street Water Main Replacement project pavin	1701988	DW17-183		2/	2/2/2018 No		S	6,840			Yes	\$ 31.13	S 213	Budgetted under Final Paving associated with water main replacement projects
Nashua & Amherst Pavine	Contribution to City of Nashua in lieu of final trench restoration - includes Rochette, Ash, and Marqui	1718685, 1718684	DW17-183			/2/2018 N		S	1.20,000	\$ 20,040		Yes	5 31.13		Budgetted under Final Paving associated with water main replacement projects
Nashua & Amberst Paving	Chestnut Street Phase I Water Main Replacement project pavin		DW17-183		_	2/2/2018 No		S	65,780			Yes	S 31-13		Budgetted under Final Paving associated with water main replacement projects
Nashua & Ambeest Paying	Scripture Street Water Main Replacement project pavin	1703642	DW17-183			2/2/2018 No		- \$	11,200	\$ 2,466		Yes	\$ 31.13 \$ 31.13		Budgetted under Final Paving associated with water main replacement projects
Nashua & Arnherst Paving	Gorman Street Water Main Replacement project pavin		DW17-183	26,101	2/	2/2/2018 No		-	44-561	\$ 400	Nashua	Yes	5 31.13	3 12	Budgetted under Final Paving associated with water main replacement projects Paving deferred at City request
Nashua & Amherst Paving	Water Street Water Main Replacement project pavin		17111117 400	26.101	1 0	10 10018		3	44,561	6 0.011	Nathua	Yes	\$ 31.13	e 206	Budgetted under Final Paving associated with water main replacement projects
Nashua & Amherst Paving	Brook Street Street Water Main Replacement project pavin	1700310	DW17-183		_	2/2/2018 No		_		\$ 9,844 \$ 22,678		Yes	\$ 31.13		Budgetted under Final Paving associated with water main replacement projects
Nashua & Amherst Paving	Ash Street Street Water Main Replacement project pavin	1700315	DW17-183			2/2/2018 No 2/2/2018 No		-		S 3,020		Yes	\$ 31.13		Budgetted under Final Paving associated with water main replacement projects
Nashua & Amherst Paving	Worcester Street Area Water Main Replacement project pavin		DW17-183 DW17-183			/2/2018 No		-		S 82,060	Nashua	Yes	S 31.13		Budgetted under Final Paving associated with water main replacement projects
Nashua & Amherst Paving	Lovell Street Water Main Replacement project pavin Towells Street Water Main Replacement project pavin		DW17-183			2/2/2018 No		-		\$ 17,233		Yes	S 31.13		Budgetted under Final Paving associated with water main replacement projects
Nashua & Amherst Paving	Howard Street Water Main Replacement project pavin		DW17-183			2/2/2018 No		_		\$ 2,800		Yes	\$ 31.13		Budgetted under Final Paving associated with water main replacement projects
Nashua & Amherst Paving Nashua & Amherst Paving	Hoyts Water Main Replacement project pavin		DW17-183			/2/2018 No		_		\$ 1,000		Yes	5 31.13		Budgetted under Final Paving associated with water main replacement projects
Nashua & Amherst Paving	Shedds Ave. Water Main Replacement project pavin		DW17-183			/2/2018 No				S 2,000		Yes	\$ 31.13		Budgetted under Final Paving associated with water main replacement projects
	nherst Street Area Water Main Replacment Project							7		15					
st sueet Fioject	Beist Succifica water main replacment Foject			1	-										
Amherst Street Project - Amherst Street water main replacement	Replace x.xxx LF of 6" Unlined CI Water main on Amherst Stree	1601318, 1702928	DW16-236												
Amherst Street Project - Berkshire Street water main replacement				25.88	87 42	2486 Ye		Pa	aid for by SRF	\$ 156,428	Nashua				Characteristics of the second of AFDUC There are a second
	Replace vxx LE of x"/x" Steel /Linlined CI Water main on Berkshire Street			25,88° 25,88°		2486 Ye			aid for by SRF	\$ 156,428 \$ 6,058	Nashua	No			Charges are for Internal engineering, OH, Union Labor, truck and AFDUC. These expensional for SRE funding.
	Replace xxx LF of x"/x" Steel/Unlined CI Water main on Berkshire Stree Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Av	1601320, 1702931	DW16-236	25,88	87 42	2486 Ye					Nashua	No			Charges are for Internal engineering, OH, Union Labor, truck and AFDUC. *These expenseligible for SRF funding.
Amherst Street Project - Terrace Ave. water main replacement	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Ave	1601320, 1702931 1601321, 1702932		25,88° 25,88°	87 42 87 42	2486 Ye	S 75	Pa		\$ 6,058	Nashua Nashua Nashua	No			eligible for SRF funding.
	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrage Aw Replace 260 LF of 6" Unlined CI Water main on Bruce Stree	1601320, 1702931 1601321, 1702932 1601319, 1702930	DW16-236 DW16-236 DW16-236	25,88 25,88 25,88	87 42 87 42 87 42	2486 Ye 2486 Ye 2486 Ye	S 75	P:		S 6,058 S 1,763	Nashua Nashua Nashua	No Ves	\$ 29.95	\$ 4,907	
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill	Replace 280 LF of 2"/4" Steel/Unlined CT Water main on Temace Aw Replace 260 LF of 6" Unlined CI Water main on Bruce Stree New Supplemental Well required by NHDE	1601320, 1702931 1601321, 1702932	DW16-236 DW16-236 DW16-236 DW17-183	25,88 25,88 25,88 26,101	87 42 87 42 87 42 2/	2486 Ye 2486 Ye 2486 Ye	\$ 75 \$ \$ 75 \$ \$ 70	P: 5,000	aid for by SRF	\$ 6,058 \$ 1,763 \$ 4,183	Nashua Nashua Nashua	No Ves	\$ 29.95	\$ 4,907	eligible for SRF funding.
Amberst Street Project - Terrace Ave, water main replacement Amberst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway	Replace 280 LF of 2"/4" Steel/Unlined CT Water main on Terrace Aw Replace 260 LF of 6" Unlined CT Water main on Bruce Stree New Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo	1 1601320, 1702931 1601321, 1702932 1601319, 1702930 1503914, 1602428, 1701490	DW16-236 DW16-236 DW16-236 DW17-183 Deferred.	25,88 25,88 25,88 26,101 No Bond soup	87 42 87 42 87 42 2/	2486 Ye 2486 Ye 2486 Ye 2486 Ye 2/2/2018 No	\$ 75 \$ 75 \$ 70 \$ 38	5,000 \$	aid for by SRF	\$ 6,058 \$ 1,763 \$ 4,183	Nashua Nashua Nashua	No Ves	\$ 29.95	\$ 4,907	eligible for SRF funding. Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018
Amberst Street Project - Terrace Ave, water main replacement Amberst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street	Replace 280 LF of 2"/4" Steel/Unlined CT Water main on Temace Aw Replace 260 LF of 6" Unlined CI Water main on Bruce Stree New Supplemental Well required by NHDE	t 1601320, 1702931 1601321, 1702932 1 1601319, 1702930 1 1503914, 1602428, 1701490	DW16-236 DW16-236 DW16-236 DW17-183 Deferred. Deferred.	25,88 25,88 25,88 26,101 No Bond soup No Bond soup	87 42 87 42 87 42 2/ ght. No C	2486 Ye 2486 Ye 2486 Ye 2486 Ye 2/2/2018 No	\$ 75 \$ 76 \$ 70 \$ 38 \$ 425	5,000 5,000 0,000 8,000 S	aid for by SRF	\$ 6,058 \$ 1,763 \$ 4,183	Nashua Nashua Nashua	No Ves	\$ 29.95	S 4,907	eligible for SRF funding. Project began in 2015. Project required by NHDES to address shortage of supply. Deferred
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aw Replace 260 LF of 6" Unlined CI Water main on Bruce Stree New Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI	t 1601320, 1702931 1601321, 1702932 1 1601319, 1702930 1 1503914, 1602428, 1701490	DW16-236 DW16-236 DW17-183 Deferred Deferred	25,88 25,88 25,88 26,101 No Bond sour No Bond sour No Bond sour	87 42 87 42 87 42 2/ 12ht. No C 12ht. No C	2486 Ye 2486 Ye 2486 Ye 2486 Ye 2/2/2018 No QCPAC sought QCPAC sought QCPAC sought	\$ 75 \$ 76 \$ 70 \$ 38 \$ 425 \$ 300 \$ 550	5,000 5,000 S S S S S S S S S	70,000	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831	Nashua Nashua Nashua Nashua Plaistow				eligible for SRF funding. Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely.
Amberst Street Project - Terrace Ave, water main replacement Amberst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street Amberst Mack Hill & Dodge	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aw Replace 260 LF of 6" Unlined CI Water main on Bruce Stree New Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/1 Dodge Rd.	1601320, 1702931 1601321, 1702932 1601319, 1702930 1503914, 1602428, 1701490	DW16-236 DW16-236 DW16-236 DW17-183 Deferred Deferred Deferred	25,88 25,88 25,88 26,101 No Bond sour No Bond sour No Bond sour	87 42 87 42 87 42 2/ 12ht. No C 12ht. No C	2486 Ye 2486 Ye 2486 Ye 2486 Ye 2/2/2018 No QCPAC sought QCPAC sought QCPAC sought	\$ 75 \$ 76 \$ 70 \$ 38 \$ 425 \$ 300 \$ 550 \$ 125	125,000 5,000 0,000 8,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	aid for by SRF	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831	Nashua Nashua Nashua	No Yes			eligible for SRF funding. Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump	Replace 280 LF of 2"/4" Steel/Unlined CT Water main on Terrace Aw Replace 260 LF of 6" Unlined CT Water main on Bruce Stree New Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CT with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/1 Dodge Rd. Replace 25 Ye old below ground confined space booster station w/above ground station	1601320, 1702931 1601321, 1702932 1601319, 1702930 1503914, 1602428, 1701490	DW16-236 DW16-236 DW16-236 DW17-183 Deferred Deferred Deferred Deferred Deferred	25,88 25,88 25,88 26,101 No Bond soup No Bond soup No Bond soup No Bond soup 26,101	87 42 87 42 87 42 2/ 12 2/ 12 1 No C 12 1 No C 12 1 No C	2486 Ye 2486 Ye 2486 Ye 2486 Ye 2/2/2018 No QCPAC sought QCPAC sought QCPAC sought QCPAC sought 2/2/2018 No	\$ 75 \$ 75 \$ 77 \$ 3 38 \$ 425 \$ 300 \$ 55 \$ 125 \$ 400	5,000 5,000 S S S S S S S S S	70,000 13,323	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 13,323	Nashua Nashua Nashua Nashua Plaistow Nashua	Yes	\$ 31.13	\$ 415	eligible for SRF funding. Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required.
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aw Replace 260 LF of 6" Unlined CI Water main on Bruce Stree New Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 25 Yr old below ground confined space booster station w/above ground station Increase pumping capacity to meet existing demands and contractual obligations	1601320, 1702931 1601321, 1702932 1601319, 1702930 1503914, 1602428, 1701490 1702918	DW16-236 DW16-236 DW16-236 DW17-183 Deferred. Deferred. Deferred. Deferred. Deferred. Dw17-183	25,88 25,88 25,88 26,101 No Bond soup No Bond soup No Bond soup 26,101	87 42 87 42 87 42 1 2/ 1 2/ 1 2/ 1 2/	2486 Yee 2486 Ye 2486 Ye 2486 Ye 2486 Ye 2472018 Ne QCPAC sought QCPAC sought QCPAC sought QCPAC sought QCPAC sought QCPAC sought Reference See See See See See See See See See S	\$ 75 \$ 77 \$ 77 \$ 30 \$ 425 \$ 300 \$ 55 \$ 125 \$ 400	125,000 5,000 0,000 8,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	70,000 70,000 13,323	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 13,323 \$ 121,151	Nashua Nashua Nashua Nashua Plaistow Nashua Nashua	Yes	\$ 31.13 \$ 31.13	\$ 415 \$ 3,771	eligible for SRF funding. Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required. \$20,000 for funal paving in 2018
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump ewer Projects - TBD	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aws Replace 260 LF of 6" Unlined CI Water main on Bruce Street New Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 25 Yr old below ground confined space booster station w/above ground statior Increase pumping capacity to meet existing demands and contractual obligations ging infrastructure replacement in coordination with sewer replacement Replaced 425 LF of 6 inch CI with 8 in DIPC. Replaced 425 LF of 6 inch CI with 6 in DIPC	1601320, 1702931 1601321, 1702932 1601319, 1702930 1503914, 1602428, 1701490 1702918	DW16-236 DW16-236 DW17-183 Deferred. Deferred. Deferred. DW17-183 DW17-183	25,88 25,88 25,88 26,101 No Bond soup No Bond soup No Bond soup 26,101 26,101	87 42 87 42 87 42 2/ 12/ 12/ 12/ 12/ 12/ 12/ 14/ 15/ 16/ 16/ 16/ 16/ 16/ 16/ 16/ 16/ 16/ 16	2486 Yee 2486 Ye 2486	\$ 75 \$ 77 \$ 70 \$ 30 \$ 425 \$ 300 \$ 555 \$ 125	125,000 5,000 0,000 8,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	70,000 13,323 60,000	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 13,323 \$ 121,151 \$ 99,065	Nashua Nashua Nashua Nashua Plaistow Nashua Nashua Nashua	Yes Yes Yes	\$ 31.13 \$ 31.13 \$ 31.13	\$ 415 \$ 3,771 \$ 3,084	eligible for SRF funding. Project hegan in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required. \$20,000 for final paving in 2018 \$38,500 for final paving in 2018
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill Pennichuek Bog - Educational Program Accessway Gilmun Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump over Projects - TBD Ay Warren Street	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aw Replace 260 LF of 6" Unlined CI Water main on Bruce Stree Rew Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 25 Yr old below ground confined space booster station w/above ground station Increase pumping capacity to meet existing demands and contractual obligations ging infrastructure replacement in coordination with sewer replacement Replaced 300 LF of 4 inch CI with 8 in DIPC Replaced 350 LF of 6 inch CI with 6 in DIPC Replaced 350 LF of 4 inch CI with 8 in DIPC Replaced 350 LF of 4 inch CI with 8 in DIPC	1601320, 1702931 1601321, 1702932 1 1601319, 1702930 1 1503914, 1602428, 1701490 3 1702918 1702870 1702874 1702872	DW16-236 DW16-236 DW16-236 DW17-183 Deferred. Deferred. Deferred. DW17-183 DW17-183 DW17-183	25,88 25,88 25,88 26,101 No Bond soup No Bond soup No Bond soup 26,101 26,101 26,101 26,101	87 42.87 42.87 42.0 42.0 42.0 42.0 42.0 42.0 42.0 42.0	2486 Ye 2486 Y	\$ 75 \$ 76 \$ 77 \$ 36 \$ 425 \$ 300 \$ 555 \$ 125 \$ 400	125,000 5,000 0,000 8,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	70,000 70,000 13,323 60,000 27,000	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 13,323 \$ 121,151 \$ 99,065 \$ 27,720	Nashua Nashua Nashua Nashua Plaistow Nashua Nashua Nashua	Yes Yes Yes	\$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13	\$ 415 \$ 3,771 \$ 3,084 \$ 863	eligible for SRF funding Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required. \$20,000 for final paving in 2018 \$38,500 for final paving in 2018 Including final paving in 2018
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump. wer Projects - TBD Warren Street Lowell Street	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aws Replace 260 LF of 6" Unlined CI Water main on Bruce Stree New Supplemental Well required by NHDDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 25 Yr old below ground confined space booster station w/ahove ground station Increase pumping, capacity to meet existing demands and contractual obligations ging infrastructure replacement in coordination with sewer replacement Replaced 300 LF of 4 inch CI with 8 in DIPC Replaced 350 LF of 8 inch CI with 8 in DIPC Replaced 350 LF of 8 inch CI with 8 in DIPC Replaced 350 LF of 8 inch CI with 8 in DIPC Replaced 350 LF of 8 inch CI with 8 in DIPC Replaced 350 LF of 8 inch CI with 8 in DIPC	1601320, 1702931 1601321, 1702932 1601319, 1702930 1503914, 1602428, 1701490 3 1702918 1702870 1702874 1702872 1702873	DW16-236 DW16-236 DW16-236 DW17-183 Deferred. Deferred. Deferred. DW17-183 DW17-183 DW17-183 DW17-183	25,88 25,88 25,88 25,80 26,101 No Bond soup No Bond soup No Bond soup 26,101 26,101 26,101 26,101 26,101	87 42:87 42:87 42:87 42:00 42:	2486 Ye 2000 No 2000 N	\$ 725 \$ 76 \$ 76 \$ 30 \$ 425 \$ 300 \$ 125 \$ 400	125,000 5,000 0,000 8,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	70,000 70,000 13,323 60,000 60,000 27,000	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 121,151 \$ 99,965 \$ 27,720 \$ 78,412	Nashua Nashua Nashua Nashua Plaistow Nashua Nashua Nashua Nashua Nashua Nashua Nashua	Yes Yes Yes Yes Yes	\$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13	\$ 415 \$ 3,771 \$ 3,084 \$ 863 \$ 2,441	eligible for SRF funding. Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required. \$20,000 for final paving in 2018 \$38,500 for final paving in 2018 Including final paving Including final paving
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Fill Pennichuck Bog - Educational Program Accessway Gilman Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump wer Projects - TBD Warren Street Lowell Street Green Street Beard Street Lemon Street Lemon Street	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aws Replace 260 LF of 6" Unlined CI Water main on Bruce Street New Supplemental Well required by NHDE Construct Nature Walk around Pernichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 25 Ye old below ground confined space booster station w/above ground statior Increase pumping capacity to meet existing demands and contractual obligations. ging infrastructure replacement in coordination with sewer replacement Replaced 300 LF of 4 inch CI with 8 in DIPC Replaced 425 LF of 6 inch CI with 6 in DIPC Replaced 330 LF of 4 inch CI with 8 in DIPC Replaced 330 LF of 8 inch CI with 8 in DIPC Replaced 330 LF of 8 inch CI with 8 in DIPC Replaced 330 LF of 8 inch CI with 8 in DIPC Replaced 330 LF of 6 inch CI with 8 in DIPC Replaced 330 LF of 6 inch CI with 8 in DIPC Replaced 330 LF of 6 inch CI with 8 in DIPC Replaced 330 LF of 6 inch CI with 8 in DIPC	1601320, 1702931 1601321, 1702932 1601319, 1702930 1503914, 1602428, 1701490 1702918 1702870 1702874 1702872 1702873 1702875	DW16-236 DW16-236 DW16-236 DW16-236 DW17-183 Deferred. Deferred. DEFERRED. DW17-183 DW17-183 DW17-183 DW17-183	25,88 25,88 25,88 26,101 No Bond soup No Bond soup No Bond soup 26,101 26,101 26,101 26,101 26,101 26,101	87 42.887 42.887 42.887 42.00	2486 Ye 2486 Ye 2486 Ye 2/2/86 No 2/2/2018 No 2CPAC sought QCPAC sought /2/2018 No 2/2/2018 No 2/2/201	\$ 75 \$ 77 \$ 77 \$ 38 \$ 428 \$ 300 \$ 55 \$ 128 \$ 400	125,000 5,000 0,000 8,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	70,000 70,000 13,323 60,000 27,000 75,000 30,250	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 13,323 \$ 121,151 \$ 99,065 \$ 27,720 \$ 78,412 \$ 73,389	Nashua Nashua Nashua Nashua Nashua Plaistow Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua	Yes Yes Yes Yes Yes Yes Yes	\$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13	\$ 415 \$ 3,771 \$ 3,084 \$ 863 \$ 2,441 \$ 2,285	eligible for SRF funding. Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required. \$20,000 for final paving in 2018 \$38,500 for final paving in 2018 Including final paving Including paving \$17,000 for final paving in 2018
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump wer Projects - TBD Warren Street Lowell Street Green Street Beard Street Lemon Street Proctor Street	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aws Replace 260 LF of 6" Unlined CI Water main on Bruce Street New Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 25 Yr old below ground confined space booster station w/shove ground statior Increase pumping capacity to meet existing demands and contractual obligations aging infrastructure replacement in coordination with sewer replacement Replaced 300 LF of 4 inch CI with 8 in DIPC Replaced 425 LF of 6 inch CI with 6 in DIPC Replaced 330 LF of 4 inch CI with 8 in DIPC Replaced 330 LF of 7 inch CI with 8 in DIPC Replaced 330 LF of 8 inch CI with 8 inch DIPC Replaced 330 LF of 2 inch CI with 8 in DIPC Replaced 330 LF of 2 inch CI with 8 in DIPC Replaced 130 LF of 2 inch CI with 4 inch DIPC	1601320, 1702931 1601321, 1702932 1 1601319, 1702930 1 1503914, 1602428, 1701490 1702918 1702870 1702874 1702872 1702873 1702873 1702875 1703873	DW16-236 DW16-236 DW16-236 DW17-183 Deferred. Deferred. Deferred. Deferred. DW17-183 DW17-183 DW17-183 DW17-183 DW17-183	25,88 25,88 25,88 26,101 No Bond soup No Bond soup No Bond soup 26,101 26,101 26,101 26,101 26,101 26,101 26,101	87 42:887 42:887 42:887 42:00	2486 Ye 2000	\$ 725 \$ 76 \$ 77 \$ 342 \$ 425 \$ 300 \$ 555 \$ 122 \$ 400	125,000 5,000 0,000 8,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	70,000 70,000 13,323 60,000 60,000 27,000	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 13,323 \$ 121,151 \$ 99,665 \$ 27,720 \$ 78,112 \$ 73,389 \$ 63,829	Nashua Nashua Nashua Nashua Plaistow Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua	Yes	\$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13	\$ 415 \$ 3,771 \$ 3,084 \$ 863 \$ 2,441 \$ 2,285 \$ 1,987	eligible for SRF funding Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required. \$20,000 for final paving in 2018 \$38,500 for final paving in 2018 Including firial paving in 2018 Including firial paving in 2018 Excludes final paving in 2018 Excludes final paving in 2018
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump wer Projects - TBD Ay Warren Street Lowell Street Green Street Beard Street Lemon Street Proctor Street Gillis Street Gillis Street Gillis Street	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aws Replace 260 LF of 6" Unlined CI Water main on Bruce Street New Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 25 Yr old below ground confined space booster station w/ahove ground station Increase pumping capacity to meet existing demands and contractual obligations ging infrastructure replacement in coordination with sewer replacement Replaced 300 LF of 4 inch CI with 8 in DIPC Replaced 350 LF of 6 inch CI with 8 in DIPC Replaced 350 LF of 8 inch CI with 8 in DIPC Replaced 350 LF of 8 inch CI with 8 in DIPC Replaced 350 LF of 2 inch CI with 4 in PVR Replaced 130 LF of 2 cl.5 inch CI with 4 in PVR Replaced 130 LF of 2 cl.5 inch CI with 4 in PVR Replaced 1729 LF of 4 inch CI with 4 in PVR Replaced 1729 LF of 4 inch CI with 4 in PVR Replaced 1729 LF of 4 inch CI with 8 in DIPC	1601320, 1702931 1601321, 1702932 1 1601319, 1702930 1 1503914, 1602428, 1701490 3 1702918 1702870 1702874 1702872 1702873 1702875 1707322 1617684, 1703641	DW16-236 DW16-236 DW16-236 DW16-236 DW17-183 Deferred. Deferred. Deferred. Deferred. DW17-183 DW17-183 DW17-183 DW17-183 DW17-183 DW17-183 DW17-183	25,88 25,88 25,88 26,101 No Bond soup No Bond soup No Bond soup No Bond soup 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101	87 42.87 42.887 42.887 42.2 2/2 2/2 2/2 2/2 4.2887 42.887 42.887 42.887 No Cught. No C	2486 Ye 2486 Y	\$ 75 \$ 77 \$ 77 \$ 34 \$ 428 \$ 30 \$ 55 \$ 128 \$ 400	125,000 5,000 0,000 8,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	70,000 70,000 13,323 60,000 60,000 27,000 30,250 51,000	\$ 0,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 163,831 \$ 121,151 \$ 99,655 \$ 27,720 \$ 78,412 \$ 73,389 \$ 63,829 \$ 71,987	Nashua Nashua Nashua Nashua Nashua Plaistow Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua	Yes	\$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13	5 415 5 3,771 S 3,084 \$ 863 5 2,441 S 2,285 S 1,987 S 2,241	eligible for SRF funding Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required. \$20,000 for final paving in 2018 \$38,500 for final paving in 2018 Including final paving Including paving paving Including paving in 2018 Excludes final paving in 2018
Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Fill Pennichuck Bog - Educational Program Accessway Gilman Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump wer Projects - TBD Warren Street Lowell Street Green Street Beard Street Lemon Street Gillis Street Gillis Street Gillis Street Gillis Street Gillis Street Temple Street	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aw Replace 260 LF of 6" Unlined CI Water main on Bruce Street New Supplemental Well required by NHEDE Construct Nature Walk around Pennichuck Bo Replace 8 & 6 in CI with 1225 If of 8 inch CLDI Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 25 Ye old below ground confined space booster station w/above ground statior Increase pumping capacity to meet existing demands and contractual obligations ging infrastructure replacement in coordination with sewer replacement Replaced 300 LF of 4 inch CI with 8 in DIPC Replaced 330 LF of 4 inch CI with 6 in DIPC Replaced 330 LF of 4 inch CI with 4 in PVG Replaced 320 LF of 2 act, 5 inch CI with 4 in PVG Replaced 130 LF of 2 act, 5 inch CI with 4 in PVG Replaced 130 LF of 4 with CI with 8 inch DIPC Replaced 375 LF of 8 inch CI with 6 inch HDPE and 8 inch DIPC Replaced 375 LF of 8 inch CI with 6 inch HDPE and 8 inch DIPC Replaced 375 LF of 8 inch CI with 6 inch HDPE and 8 inch DIPC Replaced 375 LF of 8 inch CI with 6 inch HDPE and 8 inch DIPC Replaced 375 LF of 8 inch CI with 6 inch HDPE and 8 inch DIPC	1601320, 1702931 1601321, 1702932 1601319, 1702930 1503914, 1602428, 1701490 1702918 1702870 1702874 1702872 1702873 1702875 1707322 1617684, 1703641	DW16-236 DW16-236 DW16-236 DW16-236 DW17-183 Deferred. Deferred. Deferred. DW17-183 DW17-183 DW17-183 DW17-183 DW17-183 DW17-183 DW17-183	25,88 25,88 25,80 26,101 No Bond soup No Bond soup No Bond soup 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101	87 42:887 42:887 42:887 42:00	2486 Ye 2486 Ye 2486 Ye 2/2/2018 No QCPAC sought QCPAC sought //2/2018 No QCPAC sought //2/2018 No (/2/2018 No //2/2018 No	\$ 75 \$ 77 \$ 77 \$ 38 \$ 425 \$ 300 \$ 55 \$ 125 \$ 400	125,000 5,000 0,000 8,000 5,000 5,000 5,000 5,000 5,000 5,000 5,000	13,323 60,000 75,000 151,000 151,000	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 163,831 \$ 13,323 \$ 121,151 \$ 99,065 \$ 27,720 \$ 78,412 \$ 73,389 \$ 63,829 \$ 71,987 \$ 148,873	Nashua Nashua Nashua Nashua Nashua Plaistow Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua	Yes	\$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13	5 3,771 S 3,084 S 863 S 2,441 S 2,285 S 1,987 S 2,241 S 4,634	eligible for SRF funding Project hegan in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required. \$20,000 for final paving in 2018 \$38,500 for final paving in 2018 Including final paving \$17,000 for final paving in 2018 Excludes final paving in 2018
Amberst Street Project - Terrace Ave, water main replacement Amberst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street Amberst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump wer Projects - TBD Warren Street Lowell Street Green Street Beard Street Lemon Street Proctor Street Gillis Street Temple Street Temple Street Mulvanire Street Mulvanire Street	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aws Replace 260 LF of 6" Unlined CI Water main on Bruce Street New Supplemental Well required by NHDE Construct Nature Walk around Pennichuck Bo Replace 1525 feet of 8 A/C with CLD1 Transfer services from A/C to D/1 Dodge Rd. Replace 1525 feet of 8 A/C with CLD1 Transfer services from A/C to D/1 Dodge Rd. Replace 25 Yr old below ground confined space booster station w/above ground statior Increase pumping capacity to meet existing demands and contractual obligations ging infrastructure replacement in coordination with sewer replacement Replaced 300 LF of 4 inch Cl with 8 in DIPC. Replaced 330 LF of 6 inch Cl with 8 in DIPC. Replaced 330 LF of 8 sinch Cl with 8 inch DIPC Replaced 330 LF of 2 inch Cl with 4 inch PV Replaced 130 LF of 2 &1.5 inch Cl with 4 inch PV Replaced 130 LF of 2 &1.5 inch Cl with 4 inch PV Replaced 375 LF of 8 inch Cl with 8 inch DIPC Replaced 375 LF of 8 inch Cl with 8 inch DIPC Replaced 375 LF of 8 inch Cl with 8 inch DIPC Replaced 375 LF of 8 inch Cl with 8 inch DIPC Replaced 375 LF of 8 inch Cl with 8 inch DIPC Replaced 375 LF of 8 inch Cl with 8 inch DIPC Replaced 375 LF of 8 inch Cl with 8 inch DIPC Replaced 375 LF of 8 inch Cl with 8 inch DIPC Replaced 375 LF of 8 inch Cl with 8 inch DIPC	1601320, 1702931 1601321, 1702932 1601319, 1702930 1503914, 1602428, 1701490 1702918 1702870 1702874 1702872 1702873 1702875 1707322 1617684, 1703641 1600381, 1703640 1707323	DW16-236 DW16-236 DW16-236 DW17-183 Deferred. Deferred. Deferred. DW17-183	25,88 25,88 25,88 25,88 26,101 No Bond soup No Bond soup No Bond soup 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101	87 42.87 42.887 42.887 42.29 42.4 42.2 42.2 42.2 42.2 42.2 42.	2486 Ye 2686 Ye 272018 Ne 26PAC sought QCPAC sought QCPAC sought QCPAC sought 272/2018 Ne	\$ 75 \$ 76 \$ 77 \$ 30 \$ 428 \$ 300 \$ 55 \$ 128 \$ 400	5,000 5,000 0,000 S 8,000 S 8,000 S 8,000 S 5,000 S 5,000 S 5,000 S 5,000 S 5,000 S 5,000 S 5,000 S	70,000 70,000 13,323 60,000 60,000 27,000 30,250 51,000	\$ 6,058 \$ 1,763 \$ 4,183 \$ 163,831 \$ 163,831 \$ 13,323 \$ 121,151 \$ 99,065 \$ 27,720 \$ 78,412 \$ 73,389 \$ 63,829 \$ 71,987 \$ 148,873	Nashua Nashua Nashua Nashua Nashua Plaistow Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua Nashua	Yes	\$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13 \$ 31.13	5 3,771 S 3,084 S 863 S 2,441 S 2,285 S 1,987 S 2,241 S 4,634	eligible for SRF funding Project began in 2015. Project required by NHDES to address shortage of supply. Deferred Deferred until 2018 Deferred until future date in coordination with Town Storm Drain project Project deferred indefinitely. Analysis showed that rebuilding one pump would provide initial capacity required. \$20,000 for final paving in 2018 \$38,500 for final paving in 2018 Including final paving Including final paving By 17,000 for final paving in 2018 Excludes final paving Project missed in Nov 2017 filing Including final paving Project missed in Nov 2017 filing Including final paving Excludes final paving
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Amherst Street Project - Terrace Ave, water main replacement Amherst Street Project - Bruce Street water main replacement Sweet Hill Pennichuck Bog - Educational Program Accessway Gilman Street Amherst Mack Hill & Dodge Milford Booster Station Replacement Snow Station Upgrade - Add 3rd pump wer Projects - TBD Warren Street Lowell Street Green Street Heard Street Beard Street Beard Street Green Street Gillis Street Gillis Street Temple Street Gullis American Street Gullis Street Temple Street Mulvanin't Street 24" watermain from Manchester Street to Tinker Road Water main looping water main looping in Street Area Water Main Replacement Fowell Street Zellwood Avenue Pratt Street Juncoln Street Ag Lincoln Street Nutt Street Factory Street	Replace 280 LF of 2"/4" Steel/Unlined CI Water main on Terrace Aws Replace 260 LF of 6" Unlined CI Water main on Bruce Street New Supplemental Well required by NHDE Construct Nature Walk around Pernichuck Bo Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 1525 feet of 8 A/C with CLDI Transfer services from A/C to D/I Dodge Rd. Replace 25 Yr old below ground confined space booster station w/above ground statior Increase pumping capacity to meet existing demands and contractual obligations ging infrastructure replacement in coordination with sewer replacement Replaced 300 LF of 4 inch CI with 8 in DIPC Replaced 425 LF of 6 inch CI with 6 in DIPC Replaced 330 LF of 4 inch CI with 8 in DIPC Replaced 330 LF of 8 inch CI with 8 in DIPC Replaced 330 LF of 8 inch CI with 8 in DIPC Replaced 330 LF of 8 inch CI with 8 inch DIPC Replaced 370 LF of 8 inch CI with 8 inch DIPC Replaced 370 LF of 8 inch CI with 8 inch DIPC Replaced 375 LF of 8 inch CI with 6 inch HDPE and 8 inch DIPC Replaced 375 LF of 8 inch CI with 6 inch HDPE and 8 inch DIPC Replaced 375 LF of 8 inch CI with 6 inch HDPE and 8 inch DIPC Replaced 400 LF of 9 inch CI with 4 inch PW Add 1800 If of 24 inch CLDI on Manchester Street Easement to Tinker Road Close loop on 101A end of main to hervord Truell and loop onto Truell 1200 If Old Nashua Rd. 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DW17-183	25,88 25,88 25,88 26,101 No Bond soup 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 26,101 No Bond soup 126,101	87 42 87 422 87 4228 7 4228 12 2/ 12 1/ 12 1/	2486 Ye 2486 Ye 2486 Ye 2486 Ye 2486 Ye 2486 Ye 2286 Ye 2272018 Ne	\$ 725 \$ 77 \$ 77 \$ 342 \$ 338 \$ 125 \$ 300 \$ 555 \$ 125 \$ 400 \$ 300 \$	P; P; P; P; P; P; P; P;	13,323 13,323 60,000 27,000 75,000 30,250 51,000 151,093 106,300	\$ 0,058 \$ 1,763 \$ 1,63,831 \$ 163,831 \$ 163,831 \$ 121,151 \$ 99,065 \$ 27,720 \$ 73,889 \$ 63,829 \$ 73,389 \$ 148,873 \$ 148,873 \$ 148,873 \$ 21,195 \$ 21,195 \$ 11,124 \$ 11,1	Nashua	Yes	\$ 31.13 \$ 31.13	\$ 415 \$ 3,084 \$ 8,633 \$ 2,441 \$ 2,285 \$ 2,285 \$ 2,241 \$ 4,634 \$ 2,769 \$ 2,089 \$ 6600 \$ 5,983 \$ 1,592 \$ 4,548 \$ 3,548 \$ 5,983 \$ 4,548 \$ 5,983 \$ 4,548 \$ 5,983 \$ 1,597 \$ 3,983 \$ 1,597 \$ 3,983 \$ 3,98	eligible for SRF funding Project began in 2015. Project required by NFIDES to address shortage of supply. 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Route 101 Windening, Bedford	Relocate water main on Bell Hill Road	1702839	DW17-183	26,101	2/2/2	2018 No		S	S 15,400 S	53,951	Bedford	Yes	\$ 30.66	1,654	NHDOT project that was added in Spring of 2017
				26 101	2/2/2	2019									NHDOT project that was added in Spring of 2017. Parial reimbursement from NHDO
Route 101 Windening, Bedford	Relocate Service to 3 Nashua Road	1702840	DW17-183	26,101	2/2/-	No.		3	\$ <u>-67,400</u> \$	116,205	Bedford	Yes	\$ 30.66	3,563	\$26,010.89
Route 122 @ Nathan Lord Lane Water Main Relocation	Water Main Relocation to accommodate Town of Amherst Storm Dean installation	1715666	DW17-183	26,101	2/2/2	2018 No	S	- \$	54,630 \$	59,558	Amherst	Yes	\$ 32.26 5	1,921	Town of Amherst Storm Drain project added in Fall of 2017
Howard St. Emergency Main Replacement	Howard St. Emergency Main Replacement -	1600371, 1601379							5	106,838	Nashua	Yes	\$ 31.13 5	3,326	Emergency project to replace failed 2" steel water main late in 2017
nble Devices - Used for field locating Assets via GIS program	Upgrade to Ipad device driven units	1703027	DW17-183		2/2/3		S	72,000 S	S 68,623 S	47,336	Merrimack	No			
Engineering Replacement Vehicles (2)	Replace 2 Vehicles	1702831, 1702832	DW14-130	25,734	11/7/20	014 Yes	S	64,000	Pd 2014 Bonds S		Merrimack	.No			P&I and property taxes recovered in DW16-806 Sten Increase
Complete PWW Core System Hydraulic Model	Distribution Model Phase 2		Deferred.	No Bond sough	ht. No QCP	AC sought.	S	25,000 \$	\$						Project underway, will not be used and useful in 2017
PWW-PEU Interconnection - DW Highway to River	DW Highway to Merrimack River Booster station		Deferred.	No Bond sough	ht. No OCF	PAC sought	S 3	311,500 \$	\$ 2	[]					Deferred to 2018 due to timing of final NHDES permitting
WTP - Conversion to LED Lighting	WTP - Conversion to LED Lighting		Deferred	No Bond sough	ht. No OCP	AC sought	S	80,000 \$	S a						Deferred, staff time not available to complete in 2017
Booster/Well/Chem Feed pump replacements	Booster/Well/Chem Feed pump replacements		DW14-130	25,735	11/7/20	14 Partial			Pd 2014 Bonds		Derey	Yes	\$ 33.22 5	-	P&l and property taxes recovered in DW16-806 Step Increase
Booster/Well/Chem Feed pump replacements	Booster/Well/Chem Feed pump replacements	Monthly 60, 61, 62, 63		26,101	2/2/3			60,000 \$	38,000 \$	41,386	Derry	Yes	5 33.22	1,375	
Booster/Well/Chem Feed pump replacements	Replace VFD on Twin Ridge Well	1701888	DW17-183		2/2/2			S	3 2,089 \$	2,089	Plaistow	Yes	S 32.12 S		Budgetted under Booster/Well/Chem Feed pump replacement
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS		Deferred	No Bond sough	ht. No OCF	AC sought	S	15,000 S							Budget place holder. No treatment system installs/replacement YTD
Misc Structural Improvements	Mise. Structural Improvements		Deferred.	No Bond sough	ht. No OCP	AC sought.	S	20,000 \$	\$ 4						Budget place holder. No structural improvements YTD
Harris Dam Spillway Reconstruction	Complete Flarris Dam Spillway Reconstruction	1701987			1				\$	6,018	Nashua	Yes	\$ 31.13 5	187	
Replace Vehicle #62	Replace 11 year old truck with 107,863 miles		DW17-183	26,101	2/2/2	2018 No.	S	60,000 S	\$ 45,000						A new vehicle was purchased and this vehicle was retained and kept in service. #99 was
Replace Vehicle #49	Replace 7 year old truck with 104,875 miles	1800462	DW17-183	26,101	2/2/2	2018 No	5	35,000 \$	35,000 \$	27,323	Nashua	No			Retired #49
Replace vehicle #204	Replace 6 year old truck with 175,260 miles	1800481	DW17-183	26,101	2/2/2	2018 No	5	60,000 5	45,000 5	42,678	Nashua	No			Change from beginning of budget year as to type of vehicle being replaced. #204 retired
Replace Vehicle #63	Replace 7 year old truck with 110,249 miles	3333114.000	DW17-183		2/2/2			35,000 S							Retired #63
Replace Vehicle #44	Replace 8 year old truck with over 130,000 miles	1800479	1		-				3	42,678	Nashua	No			Retired #44
New Vehicle #119	New Water Supply Vehicle, no replacement	1704173	DW17-183	26,101	2/2/2	2018 No	15	+ 5	63,038 \$	62,282	Nashua	No			No vehicle rened.
Replace Vehicle #99	Replace 11 year old truck with over 140,000 miles	1800480	DW17-183	-	2/2/2				3	27.323	Nashua	No			Retired #99
Replace Vehicle #46	Add utility body to vehicle vehicle #46	1703002	DW17-183	26,101	2/2/2				9	2,071	Nashua	No			No vehicle retired
Install overhead crane and door-WTP process area	Install overhead crane and door-WTP process area	1701887, 1719861	DW17-183	26,101	2/2/2		S	75,000 \$	\$ 75,000 \$	45,731		Yes	5 31 13 9	1.434	Design cost for WTP crane and door. Door is used and useful.
Merrimack River Station pump/motor rebuild	Merrunack River Station pump/motor rebuild	4.1.1.1.1.1	DW17-183	26,101	2/2/2			75,000 S		2007.02		-330	3		Project deferred until 2018
	misc. equipment purchases		1		1/2/2	110	direct	25,000 S	A170 (170 (170 (170 (170 (170 (170 (170 (-				
		1997	Dayler con	26.101	7 2/2/2	2010	dir.	25,000 3		41 Hours	40.4				L.
Misc. equipment purchases	Purchase New Electric Muilti-Meter	1715547	DW17-183		2/2/3	2018 No	-	S	1,500 S		Nashua	No	6 2224		Budgetted under WTP Misc equipment purchased
THM precurser control at Bon Terrain Tank	Install mixer in Bon Terrain Tank	1703024	DW17-183	26,101	2/2/2	2018 No		- 5	2,600 \$	2,600	Amherst	Yes	\$ 32.26 \$		Budgetted under WTP Misc equipmnet purchased
Replace VFD on Sludge Chopper Pump at WTP	Replace VFD on Sludge Chopper Pump at WTP	1707190	DW17-183	26,101	2/2/2		-	S	3,503 S	3,503	Nashua	Yes	\$ 31.13 9		Budgetted under WTP Misc equipmnet purchased
WTP - Replace 30" IP Discharge Meter	WTP - Replace 30" IP Discharge Meter	1701885	DW17-183	26,101	2/2/2	THE RESERVE THE PERSON NAMED IN	400	1 5	17,177 S	17,177	Nashua	Yes	\$ 31.13 5	535	Budgetted under WTP Misc equipment purchased
Purchase new lab equipment	Purcluse new lab equipment			No Bond sough				15,000 S							
Purchase new lab equipment	Hanna Titrator	1707187	DW17-183		2/2/2			S	5,900 \$	5,900	Nashua	No			Budgetted under Purchase new lab equipment
WTP structural/FIVAC	Replaced Compressor on A/C Unit FWPS	1708347	DW17-183	26,101	2/2/2			10,000 S	5,568 \$	5,568	Nashua	Yes	\$ 31.13 \$	173	
Misc Security upgrades for remote facilities	Misc. Fencing/Security Projects			No Bond sough			\$	25,000 \$	3						Budget place holder. No Misc. Fencing/Security Projects YTD
Complete Fencing around WTP for Security	Perimiter fencing at WTP	1706963		26,101				80,000 \$	5,588 \$	5,588	Nashua	Yes	\$ 31.13 \$	174	Main Gate opening mechanism replaced. Fencing deferred
Replace Clarifier (2) Vacuum Blowers and Actuators	Replace Clarifier (2) Vacuum Blowers and Actuators		Deferred,	No Bond sough	ht. No QCP	AC sought	S	25,000 \$	3						Deferred
Misc. SCADA Electrical uperades	Misc. SCADA Electrical		Deferred.	No Bond sough	ht. No QCP	AC sought	S	30,000 \$	3						Budget Place Holder See below for actual projects
Misc. SCADA Electrical upgrades	Valleyfield - Install Cellular Communication	1701886	DW17-183	26,101	2/2/2	2018 No	\$	- S	5,000 \$	3,249	Plaistow	Yes	5 33.12 5	108	Budgetted under Misc, SCADA Electrical upgrades
Misc. SCADA Electrical upgrades	Install Cellular Communication, Cabot Preserve	1716549	DW17-183	26,101	2/2/2	2018 No			5	2,642	Bedford	Yes	\$ 30.66	81	Project added to allow remote monitoring of water system
Hi-Lo Generator	Hi-Lo Generator	1701899	DW17-183	26,101	2/2/2	2018 No			\$	47,332	Derry	Yes	\$ 33.22 \$	1,572	Permanent standby generator added on site at this Community Water System.
Armory Street Booster Pump VFD replacements	Replace failed VFD's on Armory Street Booster Pumps	1719862	DW17-183	26,101	2/2/2	2018 No	S	≥ S	23,500 \$		Nashua	Yes	\$ 31.13 \$		Budgetted under Misc. SCADA Electrical upgrades
Misc. SCADA Electrical upgrades	Replace all-SCADA Computers and Upprade System	1701889	- DW17-183	26,101	2/2/2	2018 No	S	- S	43,000 S	19,990	Nashua	Yes	S 31.13 S	622	Unbudgetted. Security upgrades required hardward replacement
Well Rehabilitations (3)	Well Rehabilitations		Deferred.	No Bond sough	ht. No QCP	AC sought.	S	60,000 \$					13		Budget place holder. No Well Rehabilitation Projects YTD
WTP Closed Circuit Camera replacement/improvements	Glosed Circuit Camera replacement/improvements			No Bond sough				60,000 S	3						Deferred
WTP - Replace storefront glass, rennovate WTP reception	Replace storefront glass, rennovate WTP reception			No Bond sough				50,000 S							Deferred
Office renovation-conference room	Office renovation-conference room			No Bond sough				50,000 S							Deferred
Water Supply - Watershed Public Education	Pertilization / Pesticide - Phase 1			No Bond sough				20,000 S							Will not be completed until 2018
Stormwater BMP Notifications and Community Education	Stormwater BMP Notifications and Community Education			No Bond sough				12,000 \$							Will not be completed until 2018
St. Joseph's Land Purchase	Watershed protection	1503675	DW17-183	26,101			<u> </u>	12,000 0	9	69,790	Nashna	Yes	S 31.13 S	2 173	Project started in 2015. Land purchased from local hospital. Land adjacent to Supply F
Secure reception area	Office Security for Front Reception Desk	1708425	DW17-183	26,101		2018 No	8	10,000 \$	20 990 \$	18,824	Mernmack	No	3 21.10	39113	Original estimate did not include bullet proof glass and other security features
Adjustable Desk Tops	Accommodate back issues	1713759	DW17-183	26,101	2/2/2			100,000 5	6,088 \$	6,088	Merrimack	No			Chiponal estimate one not include timies prison plass and other security features
Asset Management - Phase 3	Asset Management 2016 Carry over	1600061	DW17-183	26,101	2/2/2		-	200,000 \$	3 200,000 S			Yes	S 31.32 S	5.061	
Conversion to R.A.M. Fixed Assets carry-over	Conversion to R.A.M. Fixed Assets carry-over	1707349	DW17-183	26,101	2/2/2			11,000 S	3 200,000 S	161,590	Merrimack Merrimack	Yes No	5 31.32 5		
Conversion to R.A.M. Fixed Assets carry-over	Conversion to R.A.M. Fixed Assets carry-over Firewall replacement	1707349	DW17-183	26,101	2/2/2			50,000 \$	36,426 S			No No	a. 00 S	-	
Asset Management - Phase 4		1702081	THE RESERVE AND DESCRIPTION OF THE PERSON NAMED IN COLUMN TWO	26,101	2/2/2					28,228	Merrimack		S 31.31 S	15 100	Reduced level of work than budgetted due to staff time diverted to PFOA response
Asset Management - Phase 4 Click Mobile Uperade	Continue progress on Asset Management implementation	1700300	DW17-183 DW17-183	26,101	2/2/2			736,000 \$	350,000 \$ 5,400	492,133	Various	Yes	5 3131 5		
Click Mobile Upgrade Click Mobile Upgrade	Upgrade ClickMobile to work on iPads			-			3	2 000,000		2.470	XX128.20023	V-			2016 Work completed 2017 work deferred until 2018
	Purchase iPADs for ClickMobile Platform	1702223	DW17-183	26,101 26,101	2/2/2		2	E 0000	5,160 \$	5,160	Various	Yes	S 31.32 S		Budgetted for under Upgrade ClickMobile to work on iPADs
Infoview upgrade	Upgrade Infoview to the latest version	1702224	DW17-183		2/2/2			5,000 \$	3,150 \$	3,150	Various	Yes	5 31.32 5	99	Deferred
Exchange Upgrade	Upgrade Exchange to the latest version		DW17-183	26,101	37 27 2	110		31,000 \$	20,420						Deferred
Retention Archive Solution	Infrastructure to Archive older stagnant files			No Bond sough				80,000 \$							Deferred until 2018
Munis Enhancements	Bill prints/forms, Forms import, Click-Munis import, CSS and Dashboard/Central			No Bond sough				80,000 5							Waiting for vender acceptance of software enhancements
Miscellaneous Software				No Bond sough				15,000 \$							Budget place holder.
Miscellaneous Software	Upgrade Synergyn/WAM	1707200		26,101	2/2/2			- 3	10,386	7 100	North 1				Budgetted for under Misc. Software
Miscellaneous Software	Backflow Data Collection software	1707208	DW17-183	26,101		2018 No	-5	- 3	6,700 \$	5,400	Meerimack	No			Budgetted for under Misc. Software
Miscellaneous Software	Munis - Enhancements - SDS Replacement	1502439	DW17-183			2018 No		_	S		Merrimack	No			Budgetted for under Misc. Software
Miscellaneous Software	PDF Converter Software	1614048	DW17-183			2018 No		10.000		3,994	Merrimack	No No			Required to make website ADA compliant
Miscellaneous Hardware		144=		No Bond sough			3	18,000 S			17.00				Budget place holder. No Misc. Hardware purchased YTD
Miscellaneous Hardware	LT06 Tape Drive #2	1617689		26,101		2018 No			\$	19,395	Merrimack	No			
Network Infrastructure	Replacement of virtual servers and network switch stack. Existing hardware no longer supported.	1716547		26,101			_		\$	113,424	Merrimack	No			
LIMS upgrade	Upgrade to Laboratory Information Systems software			No Bond sough				11,000 S	(4)						Release of new version delayed until 2018
Badge Swipe for IT Area	Allow for tracking of traffic after hours into IT area - Security			No Bond sough				2,000 S							Project cancelled for 2017
DigsSafe into Click	Track Dig safe work order time electronically			No Bond sough				2,000 \$							Project cancelled for 2017
Website Upgrades & Updates	Update Website. Enhance customer uscability	1704175		26,101				36,000 \$		13,250		No			
IT Security Project	ISO 27001 Equivalency Project	1707186		26,101				* S		31,555	Merrimack	No			Evaluation of IT infrastructure for security
Physical Server for Autodesk Revit				No Bond sough				8,000 \$					3		Deferred
			Deferred 3	No Bond sough	n. No QCP		S	12,000 S	+:				5		Deferred
Physical Server for Pearl															
Physical Server for Pearl Investment in Developer Installed Services	One times revenue tariffed amount		DW14-130	25,735	11/7/20	14 Partial	S		Pd 2014 Bonds					- 19	P&I and property taxes recovered in DW16-806 Step Increase

Total Projected 2017 PWW Capital Expenditures - \$ 9,729,000 \$ 4,163,760 \$ 5,291,409 Projected Property Tax Expenses - \$ 130,538

^{1.} Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6,60/\$1000

Exhibit 2 Page 2, 2018 QCPAC Capital Expenditures

Pennichuck Water Works, Inc. DW 18-xxx Projected 2018 QCPAC Capital Expenditures 1/30/2018

Project Name/Description	Project Description	Work Order#	Financing Docket No.	NHPUC Order No.		Approved Budgeted Amount	Estimated Project Cost as of 6/30/2018	Estimated Project Cost as of 9/30/2018	Estimated Project Cost as of 11/30/2018	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 1/30/2018
	Existing Truck has been a safety and maintenance problem	WOLL CITED III	0.1DSRR			S 90,000				Merrimack	No	S 28.17	S -	
Replace Forman Truck 10 New Services	Single Family, Owner Build, New Homes		DW17-183	+		\$ 46,000				Various	Yes	S 29.13		
20 Renewed Services	Replacement of failed services		DW17-183			S 92,000				Various	Yes	\$ 29.13		
10 Hydrants	Replacement of non functional hydrants		DW17-183			\$ 50,000				Various	Yes	\$ 29.13		
10 Valve Replacements	Replacement of Failed Gate Valves		DW17-183			S 30,000				Various	Yes	\$ 29.13		
Replace failed meter reading radios	Replace out of warrantee failed radio meter readers (280)		DW17-183			\$ 50,000				Various	Yes	\$ 29.13		
480 New Meters (growth) 5/8"-2" (CORE & CWS)	New meters for new customers, including PFOA		DW17-183			\$ 114,000				Various	Yes	\$ 29.13		
2,355 New Meters for Lead Meter exchanges (PWW-CORE & CWS) 5/8"-6"			DW17-183			\$ 532,000				Various	Yes	\$ 29.13		
Ferromagnetic Pipe locators (3)	Ongoing small equipment replacement - run rate		DW17-183			\$ 10,000				Merrimack	No	\$ 29.13		
Service Truck replacement (#76)	Replace 2008 Pick up with 156,000+ miles		DW17-183			\$ 60,000				Merrimack	No	\$ 28.17		
1 Service Truck - New	Service Truck for 1 new ops employees		0.1DSRR			\$ 35,000				Merrimack	No	\$ 28.17		
Replacement of Meter Supervisor Truck (#14)	Replace 7 year old pick up with 167,000+ miles with small SUV		DW17-183			\$ 28,000				Merrimack	No	\$ 28,17		
Replace Valve/vac trailer unit	Existing unit has reach the end of its usable life		DW17-183			\$ 65,000				Merrimack	No	\$ 28.17		
Trimble units for Meter Reading (6 units)	Replace CE meter reading equipment		0.1DSRR			\$ 39,000				Merrimack	No	\$ 28.17		
Pipe Saws (5)	Ongoing small equipment replacement - run rate		DW17-183			\$ 6,000				Merrimack	No	\$ 28.17		
Metal Detectors (6)	Ongoing small equipment replacement - run rate		DW17-183			\$ 7,000				Merrimack	No.	S 28.17		
Add Air Conditioning to Mechanics Bay	Security Project		DW17-183			\$ 52,000				Merrimack	No	S 28.17		
Four trench boxes	Four trench boxes		DW17-183			\$ 20,000				Merrimack	No	\$ 28.17		
Interconnection of BWC (Bedford) to PWW	Interconnection of BWC (Bedford) to PWW		DW17-183			\$ 85,000				Bedford	Yes	S 23.16		
Elm St	Replace 1570 LF of 8 & 6 inch CI with 12 inch DIPCL		DW17-183			\$ 436,000				Nashua	Yes	\$ 29.82		
Monroe Street	Replace 485 LF of 4 inch (HDPE,CI) with 8 inch DIPCL		DW17-183			\$ 131,000				Nashua	Yes	\$ 29.82		
West Pearl Street	Replace 325 LF of 8 inch CI with 8 inch DIPCL		DW17-183			\$ 109,000				Nashua	Yes	S 29.82		
Gillis St	Residual paying from prior year main replacement		DW17-183			S 143,000				Nashua	Yes	S 29.82	+	
Orange St (Concord St to Lock St)	Residual paving from prior year main replacement		DW17-183			\$ 96,000				Nashua	Yes	\$ 29.82		
Buchanan St	Residual paving from prior year main replacement		DW17-183			S 36,600				Nashua	Yes	\$ 29.82		
Lincoln Ave	Residual paying from prior year main replacement		DW17-183			\$ 52,300				Nashua	Yes	\$ 29.82		
Nutt St	Residual paving from prior year main replacement		DW17-183			S 39,600				Nashua	Yes	S 29.82		
Circle Ave	Residual paving from prior year main replacement		DW17-183			S 11,000				Nashua	Yes	S 29.82		
	Residual paving from prior year main replacement		DW17-183			\$ 47,000				Nashua	Yes	S 29.82		
Pratt St. Zellwood Ave	Residual paving from prior year main replacement		DW17-183	1		S 25,000				Nashua	Yes	\$ 29.82		
	Residual paying from prior year main replacement		DW17-183			S 6,000				Nashua	Yes	\$ 29.82		
Faxon St	Residual paving from prior year main replacement		DW17-183			S 4,400				Nashua	Yes	\$ 29.82		
Fifield St	Residual paving from prior year main replacement		DW17-183	+	1	S 59,400				Nashua	Yes	S 29.82		
Fowell Ave	Residual paving from prior year main replacement		DW17-183			S 5,200				Nashua	Yes	S 29.82		
Terrace Street	Residual paving from prior year main replacement		DW17-183			S 16,100				Nashua	Yes	S 29.82	S 480	
Beard St	Residual paving from prior year main replacement		DW17-183		<u> </u>	S 3,100				Nashua	Yes	S 29.82	\$ 92	
Green St.	Residual paving from prior year main replacement		DW17-183	-	t	S 11,000				Nashua	Yes	\$ 29.82	\$ 328	
Warren St	Residual paving from prior year main replacement		DW17-183			S 23,000				Nashua	Yes	\$ 29.82	\$ 686	
Lowell St	Residual paving from prior year main replacement		DW17-183			S 4,400				Nashua	Yes	S 29.82	\$ 131	
Lemon St	Residual paving from prior year main replacement		DW17-183	+	†	S 51,700				Nashua	Yes	5 29.82		
Mulvantity St - Emergency Replacement	Asset Management		DW17-183			S 300,000				Various	Yes	S 29.13	\$ 8,739	
Asset Management	Replace 1470 LF of 8 inch CI with 12 inch DIPCL		DW17-183			S 655,000				Nashua	Yes	S 29.82	S 19,532	
Gilman Street	Replace 500LF of 6 inch CI with 12 inch DIPCL		DW17-183	†	1 1	s 223,000				Nashua	Yes	\$ 29.82	\$ 6,650	
Ritter Street	Replace 300 LF of 6 inch CI with 12 inch DIPCL		DW17-183		1	S 131,000		-		Nashua	Yes	S 29.82	\$ 3,906	
Woodward Street	Replace 625 LF of 8 inch and 950 LF CI 950 LF of 16 inch DIPCL.		DW17-183	1		S 642,000				Nashua	Yes	\$ 29.82	5 19,144	
Factory Street	Replace 100 LF of 12 inch Cl with 12 inch DIPCL		DW17-183		1 -	S 53,000				Nashua	Yes	\$ 29.82		
Pennichuck Street	Replace 310 LF of 6 inch CI and 2 PVC with 6 inch and 4 inch DIPCL	1	DW17-183		1	S 80,000				Nashua	Yes	\$ 29.82		
Fossa Avenue	The prince of the second secon		4-31 4-140d			Nogo Ma						L.		
0 11 4	Replace 775 LF of 8 inch and 275 LF of 6 inch CI with 775 LF of 8 inch and 225 LF of 4 inch DIPCL		DW17-183			\$ 290,000				Nashua	Yes	\$ 29.82		
Russell Avenue	mch and 225 LF of 4 mch DIPCL Replace 790 LF of 6 inch Cl with 8 inch DIPCL		DW17-183	-		S 258,000				Nashua	Yes	S 29.82		
Taylor Street (Main St to Fifield)	Replace 535 LF of 6 inch CI with 8 inch DIPCL	1	DW17-183			S 238,000				Nashua	Yes	S 29.82		
Burnett Street	Replace 335 LF of 6 inch CI with 12 inch DIPCL Replace 325 LF of 6 inch CI with 6 inch DIPCL		DW17-183			S 87,000				Nashua	Yes	S 29.82		
Field Street		 	DW17-183			\$ 116,000				Nashua	Yes	S 29.82		
Fernwood Street	Replace 450 LF of 6 inch CI with 6 inch DIPCL	1	DW17-183		-	\$ 239,000				Nashua	Yes	S 29.82	S 7,127	
Revere Street	Replace 760 LF of 6 inch CI with 8 inch DIPCL		DW11-103			257,000								
	Replace 760 LF of 8 inch CI and 160 LF of 6 inch CI with 760 LF of 8	1	DW17-183			\$ 293,000				Nashua	Yes	S 29.82	s 8,737	
Stevens Street	inch and 160 LF of 4 inch DIPCL	 	DW17-183	+		\$ 66,000				Nashua	Yes	S 29.82	\$ 1,968	
Evergreen Street	Replace 310 LF of 1.5 and 1.25 inch CI with 4 inch DIPCL	l — —	DW17-183		l	S 114,000				Nashua	Yes	S 29.82		
Morton Street	Replace 290 LF of 1.5 inch Cl with 550 LF of 4 inch DIPCL	!	12W17-103	1		115,000								
L	Replace 300 LF of 8 inch CI and 160 LF of 2 inch CI with 300 LF of		DW17-183			\$ 132,000				Nashua	Yes	\$ 29.82		<u></u>
Park Avenue	DIPCL and 160 LF of 4 inch DIPCL	 	DW17-183	-	1	s 1,024,400				Nashua	Yes	S 29.82		
Coburn Woods (all side streets)	Replace 4400 LF of 2 inch PVC with 4 inch DIPCL	1	DW17-183 DW17-183			1,024,400				Nashua	Yes	S 29.82		
Northwest Water Main Improvements	DELIGHOUS COAL I DANCE NEWSCOOL					S 600,000				Nashua	Yes	S 29.82		
	t Add 2700 LF of 24 inch DIPCL on Manchester St.	 	DW17-183			S 500,000				Nashua	Yes	S 29.82		
Route 101A and Route 121 (Amherst	Add 2200 LF of 12 inch DIPCL to close loop	 	DW17-183		-	s 475,000		-		Nashua	Yes	\$ 29.82		
	Replace 825 LF of 16 inch AC with 825 LF of 24 inch DIPCL	1	DW17-183			s 4/5,000 s 1,415,200				Nashua	Yes	S 29.82		
Lake Street	Replace 2950 LF of 6 inch CI with 12 inch DI		DW17-183	-		S 1,415,200 S 73,000				Various	No	S 29.13		
Outside GIS Consulting Services	Outside GIS Consulting Services	 	DW17-183	-	-	S 73,000 S 50,000			F	Various	No	S 29.13		
Water Modeling Consulting	Water Modeling Consulting	 	DW17-183		-					Various	Yes	S 29.13		
Trimble R2 Units	Trimble R2 Units	ļ	DW17-183		-					Various	No	S 29.13		
Water Level Well Monitoring Equiment	Water Level Well Monitoring Equiment		DW17-183			S 5,000				Merrimack	No	\$ 28.17		
Replace Jeep with Pickup	Replace 2006 Jeep with 152,407 miles with Pickup		DW17-183			\$ 30,000				Merrimack	No.	S 28.17		
Replace Ranger Pickup	Replace 2005 Ranger Pickup with 186,885 miles	_	DW17-183			\$ 30,000 \$ 60,000				Various	Yes	S 29.13		
	Booster/Well/Chem Feed pump replacements		DW17-183			N 60 000				 Various 	1.08	2 4y.13	1,740	

Pennichuck Water Works, Inc. DW 18-xxx Projected 2018 QCPAC Capital Expenditures 1/30/2018

Project Name/Description	Project Description	Work Order#	Financing Docket No.	NHPUC Order No.	Approved Budgeted Amount	Estimated Project Cost as of 6/30/2018	Estimated f Project Cost as of 9/30/2018	Estimated Project Cost as of 11/30/2018	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense	Explanation for Change/Addition/Deletion since 1/30/2018
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS		DW17-183		\$ 15,000				Various	Yes	\$ 29.13		
Misc. Structural Improvements	Misc. Structural Improvements		DW17-183		\$ 20,000				Various	Yes	\$ 29.13		
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased		DW17-183		\$ 20,000				Various	Yes	\$ 29.13		
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical		DW17-183		\$ 30,000				Various	Yes	\$ 29.13		
Well Rehabilitation	Well Rehabilitation		DW17-183		\$ 50,000				Various	Yes	\$ 29.13		
WTP Structural/HVAC	WTP Structural/HVAC		DW17-183		\$ 10,000				Nashua	Yes	\$ 29.82		
Purchase new lab equipment	Purchase new lab equipment		DW17-183		\$ 20,000				Nashua	No	\$ 29.82		
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects		DW17-183		\$ 10,000				Various	Yes	\$ 29.82		
Replace Water Supply Vehicle	Run rate vehicle replacement		DW17-183		\$ 65,000				Nashua	No	\$ 29.82		
Replace Water Supply Vehicle	Run rate vehicle replacement		DW17-183		\$ 65,000				Nashua	No	\$ 29.82		
Replace Water Supply Vehicle	Run rate vehicle replacement		DW17-183		\$ 40,000				Nashua	No	\$ 29,82		
Replace Water Supply Vehicle	Run rate vehicle replacement		DW17-183		\$ 40,000				Nashua	No	\$ 29.82		
WTP Perimeter Fence	WTP Perimeter Fence		DW17-183		\$ 80,000				Merimack	Yes	\$ 28.17		
Bowers Dam Spillway reconstruction engineering	Bowers Dam Spillway reconstruction engineering		0,1DSRR		\$ 90,000				Merimack	No	\$ 28.17		Not Eligible for 2018 QCPAC as this is engineering only
WTP Camera system upgrade	Existing Camera system is outdated		DW17-183		\$ 50,000				Nashua	Yes	\$ 29.13		The second secon
Dredging feasibility study	Dredging feasibility study		0,1DSRR		\$ 31,500				Various	No	\$ 29.13		Study is not QCPAC Qualified
Sourcewater Protection Study	Sourcewater Protection Study		0.1DSRR		\$ 15,000				Various	No	\$ 29.13		Study is not QCPAC Qualified
Aquatic Vegetation Assessment and Management	Aquatic Vegetation Assessment and Management		0.1DSRR		\$ 7,500				Various	No	\$ 29.13		Study is not QCPAC Qualified
Website Upgrades	Improved Customer Service Experience		DW17-183		\$ 36,000				Merrimack	No	\$ 28.17		
SIEM Appliance	Aggregate Real-time monitoring of system alerts and logs		DW17-183		\$ 26,000				Merrimack	No	\$ 28.17		
AD Change Auditor	Needed to track changes to Authentication Server		DW17-183		\$ 4,000				Merrimack	No	\$ 28.17		
File Server Replacement	Replace older hardware		DW17-183		\$ 13,000				Merrimack	No	\$ 28.17		
Storage Upgrade	Replace non-supported hardware and increase speed		DW17-183		\$ 70,000				Merrimack	No	\$ 28.17		
Munis FER Enhancements	Needed as Business process change		DW17-183		\$ 64,000				Merrimack	No	\$ 28.17		
Click Mobile Application Changes	Needed as Business process change		DW17-183		\$ 30,000				Merrimack	No	\$ 28.17		
ClickMobile Move to iPads	Move to a more functional device		DW17-183		\$ 140,000				Merrimack	No	\$ 28.17		
Implement Customer Balances over the phone	Improved Customer Service Experience		DW17-183		\$ 4,000				Merrimack	No	\$ 28.17		
Miscellaneous Hardware	Run Rate replacements		DW17-183		\$ 15,000				Merrimack	No	\$ 28.17		
Miscellaneous Software	Run Rate replacements		DW17-183		\$ 12,000				Merrimack	No	\$ 28.17		
IMS upgrade	Allow for Electronic Data Collection in the Field		DW17-183		\$ 11,000				Merrimack	No	\$ 28.17		
Physical Server for Pearl			DW17-183		\$ 12,000				Mertimack	No	\$ 28.17		
Corporate Job Scheduler	Centralized nightly Job management and notification		DW17-183		\$ 4,000				Merrimack	No	\$ 28.17		
Consulting	Consulting		DW17-183		\$ 32,000				Merrimack	No	\$ 28.17		
Laptops for L.G. & D.W.	Laptops for L.G. & D.W.		DW17-183		\$ 4,000				Merrimack	No	\$ 28.17		
Additional Computers	Additional Computers		DW17-183		\$ 4,000				Merrimack	No	\$ 28.17	\$	

 $¹_{\ast}$ Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of 6.60/1000

Exhibit 2 Page 3, 2019 QCPAC Capital Expenditures

Project Name/Description	Project Description	Bu	oproved dgeted mount	Community	Taxable	Tax	Rate (1)	QCPAC Eligible Property Tax Expense
10 New Services	Single Family, Owner Build, New Homes	\$	46,000	Various	Yes	\$	29.13	\$ 1,340
20 Renewed Services	Replacement of failed services	\$	92,000	Various	Yes	\$	29.13	\$ 2,680
10 Hydrants	Replacement of non functional hydrants	\$	50,000	Various	Yes	\$	29.13	\$ 1,457
10 Valve Replacements	Replacement of Failed Gate Valves	\$	30,000	Various	Yes	\$	29.13	\$ 874
Replace failed radio meter readers	Replace out of warranty failed radio meter readers (280)	\$	50,000	Various	Yes	\$	29.13	\$ 1,457
250 New Meters (growth) 5/8"-2" (CORE & CWS)	250 New Meters (growth) 5/8"-2" (CORE & CWS)	\$	62,000	Various	Yes	\$	29.13	\$ 1,806
	1,150 New Meters for Lead Meter exchanges (PWW-CORE) 5/8"-6'	\$	259,000	Various	Yes	\$	29.13	\$ 7,545
270 New Meters for PT exchanges 5/8"-6'	270 New Replacement Meters for PT's 5/8"-6'	\$	27,000	Various	Yes	\$	29.13	\$ 787
Metal Detectors (6)	Ongoing small equipment replacement - run rate	\$	7,000	Merrimack	No	\$	28.17	\$
Ferromagnetic Pipe locators (3)	Ongoing small equipment replacement - run rate	\$	10,000	Merrimack	No	\$	28.17	\$ -
Service Truck replacement (#4)	Replace 2011 Pickup Truck with 160,000+ projected miles	\$	60,000	Merrimack	No	\$	28.17	\$ -
Meter service van replacement (#72)	Replace 2009 Meter Van with 158,000+ projected miles	\$	35,000	Merrimack	No	\$	28.17	\$
Mud Pump Replacements (2)	Ongoing small equipment replacement	\$	4,000	Merrimack	No	1 \$	28.17	\$ -
Tapping Machine replacements (2)	Tapping Machine replacements (2)	\$	4,000	Merrimack	No	\$	28.17	\$ -
Trimble units for Meter Reading (4 units)	Replace remaining CE meter reading equipment	\$	13,000	Merrimack	No	\$	28.17	\$
Repace 2850 meter reading radios	Complete with PT's, Replace aging radios	\$	270,000	Various	No	\$	29.13	\$
Elm St	Residual paving from prior year main replacement	\$	22,000	Nashua	Yes	\$	29.82	\$ 656
Monroe Street	Residual paving from prior year main replacement	\$	10,000	Nashua	Yes	\$	29.82	\$ 298
West Pearl Street	Residual paving from prior year main replacement	\$	10,000	Nashua	Yes	\$	29.82	\$ 298
Gilman Street	Residual paving from prior year main replacement	\$	180,000	Nashua	Yes	\$	29.82	\$ 5,368
Ritter Street	Residual paving from prior year main replacement	\$	61,200	Nashua	Yes	\$	29.82	\$ 1,825
Woodward Street	Residual paving from prior year main replacement	\$	36,200	Nashua	Yes	\$	29.82	\$ 1,079
Factory Street	Residual paving from prior year main replacement	\$	155,600	Nashua	Yes	\$	29.82	\$ 4,640
Pennichuck Street	Residual paving from prior year main replacement	\$	13,200	Nashua	Yes	\$	29.82	\$ 394
Fossa Avenue	Residual paving from prior year main replacement	\$	33,400	Nashua	Yes	\$	29.82	\$ 996
Russell Avenue	Residual paving from prior year main replacement	\$	52,700	Nashua	Yes	\$	29.82	\$ 1,572
Taylor Street (Main St to Fifield)	Residual paving from prior year main replacement	\$	86,500	Nashua	Yes	\$	29.82	\$ 2,579
Burnett Street	Residual paving from prior year main replacement	\$	65,500	Nashua	Yes	\$	29.82	\$ 1,953
Field Street	Residual paving from prior year main replacement	\$	33,500	Nashua	Yes	\$	29.82	\$ 999
Fernwood Street	Residual paving from prior year main replacement	\$	45,000	Nashua	Yes	\$	29.82	\$ 1,342
Revere Street	Residual paving from prior year main replacement	\$	80,100	Nashua	Yes	\$	29.82	\$ 2,389
Stevens Street	Residual paving from prior year main replacement	\$	102,100	Nashua	Yes	\$	29.82	\$ 3,045
Evergreen Street	Residual paying from prior year main replacement	\$	26,000	Nashua	Yes	\$	29.82	\$ 775
Morton Street	Residual paving from prior year main replacement	\$	45,000	Nashua	Yes	\$	29.82	\$ 1,342
Park Avenue	Residual paving from prior year main replacement	\$	38,000	Nashua	Yes	\$	29.82	\$ 1,133
Northwest Water Main Improvements	Residual paving from prior year main replacement	\$	35,000	Nashua	Yes	\$	29.82	\$ 1,044
Lake Street	Residual paving from prior year main replacement	\$	330,000	Nashua	Yes	\$	29.82	\$ 9,841
Coburn Woods (all side streets)	Residual paving from prior year main replacement	\$	175,700	Nashua	Yes	\$	29.82	\$ 5,239
Brook Street	Replace 225 LF of 4 inch and 915 LF of 6 inch CI with 1140 LF of 8 inch	\$	384,300	Nashua	Yes	\$	29.82	\$ 11,460
Hamilton Street	Replace 410 LF of 6 inch CI with 4 inch DIPCL	\$	88,300	Nashua	Yes	\$	29.82	\$ 2,633
Ash Street	Replace 510 LF of 6 inch CI with 8 inch DIPCL	\$	174,100	Nashua	Yes	\$	29.82	\$ 5,192
Burritt Street	Replace 425 LF of 4 inch CI with 8 inch DIPCL	\$	142,800	Nashua	Yes	\$	29.82	
Burritt Street	Replace 125 LF of 4 inch CI with 4 inch DIPCL	\$	39,100	Nashua	Yes	\$	29.82	\$ 1,166
Verona Street	Replace 675 LF of 6 inch CI with 8 inch DIPCL	\$	228,300	Nashua	Yes	\$	29.82	\$ 6,808
Sarasota Ave	Replace 250 LF of 6 inch CI with 8 inch DIPCL	\$	84,200	Nashua	Yes	\$	29.82	\$ 2,511
Merrimack River Intake	Year Round Raw Water Intake from Merrimack River	\$	5,500,000	Merrimack	Yes	\$	29.13	
Twin Ridge Station Improvements	Twin Ridge Station Improvements	\$	330,000	Plaistow	Yes	\$	33.12	\$ 10,930
Outside GIS Consulting Services	Outside GIS Consulting Services	\$	24,000	Merrimack	No	\$	28.17	\$ -
Water Modeling Consulting	Water Modeling Consulting	₫	10,000	Merrimack	No	1	28.17	\$ =

Project Name/Description	Project Description		Approved Budgeted Amount	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
Water Level Well Monitoring Equiment	Water Level Well Monitoring Equiment	\$	5,000	Various	No	\$ 29.13	\$ -
Replace SUV	Replace SUV	\$	30,000	Merrimack	No	\$ 28.17	\$ -
Replace Pickup	Replace Pickup	\$	30,000	Merrimack	No	\$ 28.17	\$ -
Booster/Well/Chem Feed pump replacements	Booster/Well/Chem Feed pump replacements	\$	60,000	Various	Yes	\$ 29.13	\$ 1,748
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS	\$	15,000	Various	Yes	\$ 29.13	\$ 437
Misc. Structural Improvements	Misc. Structural Improvements	\$	20,000	Various	Yes	\$ 29.13	\$ 583
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	\$	20,000	Various	Yes	\$ 29.13	\$ 583
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$	30,000	Various	Yes	\$ 29.13	\$ 874
Well Rehabilitation	Well Rehabilitation	\$	50,000	Various	Yes	\$ 29.13	\$ 1,457
WTP Structural/HVAC	WTP Structural/HVAC	\$	10,000	Nashua	Yes	\$ 29.82	\$ 298
Purchase new lab equipment	Purchase new lab equipment	\$	20,000	Nashua	No	\$ 29.82	\$ -
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$	10,000	Various	Yes	\$ 29.13	\$ 291
Replace Vehicle	Run Rate Replacement of Water supply vehicles	\$	65,000	Nashua	No	\$ 29.82	\$ -
Replace Vehicle	Run Rate Replacement of Water supply vehicles	\$	65,000	Nashua	No	\$ 29.82	\$ -
Replace Vehicle	Run Rate Replacement of Water supply vehicles	\$	40,000	Nashua	No	\$ 29.82	\$ -
Replace Vehicle	Run Rate Replacement of Water supply vehicles	\$	40,000	Nashua	No	\$ 29.82	\$ -
Bowers Dam Spillway reconstruction	Bowers Dam Spillway reconstruction	\$	900,000	Various	Yes	\$ 29.13	\$ 26,217
Carbon media changeout-filters 1 & 3	Carbon media changeout-filters 1 & 3	\$	550,000	Nashua	Yes	\$ 29.82	\$ 16,401
Desktop PC Replacments	Desktop Replacments	\$	80,000	Merrimack	No	\$ 28.17	\$ -
Miscellaneous Hardware	Miscellaneous Hardware	\$	15,000	Merrimack	No	\$ 28.17	\$ -
Miscellaneous Software	Miscellaneous Software	\$	12,000	Merrimack	No	\$ 28.17	\$
Other IT Miscellanious Projects - Run Rate	Other Miscellanious IT Projects - Run Rate	\$	275,000	Merrimack	No	\$ 28.17	\$ -
	Pennichuck Water Works Projected 2019 Total Capital Expenditure Budge	et - \$	12,002,800	Projected Prope		e associated with CPAC projects -	

^{1.} Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000

Exhibit 2 Page 4, 2020 QCPAC Capital Expenditures

Project Name/Description	Project Description		Approved Budgeted Amount	Community	Taxable	Tax	Rate (1)	QCPAC Eligible Property Tax Expense
10 New Services	Single Family, Owner Build, New Homes	\$	46,000	Various	Yes	\$	29.13	\$ 1,340
20 Renewed Services	Replacement of failed services	\$	92,000	Various	Yes	\$	29.13	\$ 2,680
10 Hydrants	Replacement of non functional hydrants	\$	50,000	Various	Yes	\$	29.13	\$ 1,457
10 Valve Replacements	Replacement of Failed Gate Valves	\$	30,000	Various	Yes	\$	29.13	\$ 874
Replace failed radio meter readers	Replace out of warrantee failed radio meter readers (280)	\$	50,000	Various	Yes	\$	29.13	\$ 1,457
250 New Meters (growth) 5/8"-2" (CORE & CWS)	250 New Meters (growth) 5/8"-2" (CORE & CWS)	\$	65,000	Various	Yes	\$	29.13	\$ 1,893
270 New Meters for PT exchanges 5/8"-6'	270 New Replacement Meters for PT's 5/8"-6'	\$	27,000	Various	Yes	\$	29.13	\$ 787
Metal Detectors (6)	Ongoing small equipment replacement - run rate	\$	7,000	Merrimack	No	\$	28.17	\$ -
Ferromagnetic Pipe locators (3)	Ongoing small equipment replacement - run rate	\$	10,000	Merrimack	No	\$	28.17	\$ -
	Replace 2008 with projected 136,000+ miles	\$	35,000	Merrimack	No	\$	28.17	\$ -
Service Pick Up replacement (#20) Meter Pick Up replacement (#95)	Replace 2008 with projected 130,000+ miles	\$	60,000	Merrimack	No	\$	28.17	\$ =
	Replace 2011 with projected 135,000+ miles	\$	35,000	Merrimack	No	\$	28.17	\$ -
Meter Van replacement (#27)	Replace 2011 with projected 140,000+ miles	\$	35,000	Merrimack	No	\$	28.17	\$ -
Meter Reading SUV replacement (#21)	Mud Pump Replacements (3)	\$	4,000	Merrimack	No	\$	28.17	\$ -
Mud Pump Replacements (3)	Complete with PT's, Replace aging radios	\$	270,000	Various	Yes	\$	29.13	\$ 7,865
Radio Replacements (2850)	Residual paving from prior year main replacement	\$	128,700	Nashua	Yes	\$	29.82	\$ 3,838
Brook Street	Residual paving from prior year main replacement	\$	40,900	Nashua	Yes	\$	29.82	\$ 1,220
Hamilton Street	Residual paving from prior year main replacement	*	58,300	Nashua	Yes	\$	29.82	\$ 1,739
Ash Street	Residual paving from prior year main replacement	\$	47,800	Nashua	Yes	\$	29.82	
Burritt Street		\$	18,100	Nashua	Yes	\$	29.82	
Burritt Street	Residual paving from prior year main replacement	*	76,500	Nashua	Yes	\$	29.82	
Verona Street	Residual paving from prior year main replacement	4	28,200	Nashua	Yes	\$	29.82	
Sarasota Ave	Residual paving from prior year main replacement	\$	506,000	Nashua	Yes	\$	29.82	
Fields Grove Park Crossing (Chestnut to Lawndale)	Add 750 LF of 16 inch HDPE (stream crossing)	9	191,500	Nashua	Yes	\$	29.82	
Benson Avenue	Replace 550 LF of 4 inch CI with 8 inch DIPCL	4	329,500	Nashua	Yes	\$	29.82	
Spaulding Street	Replace 950 LF of 6 inch CI with 8 inch DIPCL	4	73,000	Nashua	Yes	\$	29.82	
Alstead Avenue	Replace 240 LF of 4 inch CI with 4 inch DIPCL	- P	95,200	Nashua	Yes	\$	29.82	
Spaulding Avenue	Replace 430 LF of 6, 2, & 1.25 inch CI with 4 inch DIPCL		91,800	Nashua Nashua	Yes	\$	29.82	
St Lazare Street	Replace 415 LF of 2 inch CI with 4 inch DIPCL	D		Nashua	Yes	\$	29.82	
Ingalls St (St Camille to end)	Replace 200 LF of 1.5 inch CI with 4 inch DIPCL	D	44,300	Nashua	Yes	Φ.	29.82	
Nye Avenues	Replace 400 LF of 2 & 1.5 inch CI with 4 inch DIPCL	*	87,400		Yes	4	29.82	
Copp Street	Replace 350 LF of 6 inch CI with 8 inch DIPCL	*	124,200	Nashua	Yes	\$	29.82	
Gray Avenue	Replace 360 LF of 6 inch CI with 6 inch DIPCL	\$	102,300	Nashua	Yes	Φ	29.82	
Harvard Street	Replace 800 LF of 8 inch CI with 8 inch DIPCL	\$	272,300	Nashua		4	29.82	
Alld Street	Replace 1860 LF of 6 & 8 inch CI with 12 inch DIPCL	3	878,700	Nashua	Yes	P	29.82	
Lawndale Avenue	Replace 1085 LF of 6 inch CI with 12 inch DIPCL	3	497,200	Nashua	Yes	P	29.82	
Taylor Road (Lynn St to	Replace 725 LF of 8 inch CI with 12 inch DIPCL	\$	332,500	Nashua	Yes	\$	29.82	
Temple St (south to gorman)	Replace 900 LF of 8 inch CI with 12 inch DIPCL	\$	415,600	Nashua	Yes	\$		
School Street (High to W. Pearl Alleyway)	Replace 400 LF of 4 inch CI with 8 inch DIPCL	\$	137,400	Nashua	Yes	\$	29.82	
Kessler Farm Tank Replacement	Kessler Farm Tank Replacement	\$	3,080,000	Nashua	Yes	\$	29.82	
Outside GIS Consulting Services	Outside GIS Consulting Services	\$	18,000	Merrimack	No	\$	28.17	
Water Modeling Consulting	Water Modeling Consulting	\$	10,000	Merrimack	No	\$	28.17	
Water Level Well Monitoring Equiment	Water Level Well Monitoring Equiment	\$	5,000	Various	No	\$	29.13	
Replace SUV	Replace SUV	\$	30,000	Merrimack	No	\$	28.17	
Replace Pickup	Replace Pickup	\$	30,000	Merrimack	No	\$	28.17	
Booster/Well/Chem Feed pump replacements	Booster/Well/Chem Feed pump replacements	\$	60,000	Various	Yes	\$	29.13	\$ 1,748
Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS	\$	15,000	Various	Yes	\$	29.13	\$ 437
Misc. Structural Improvements	Misc. Structural Improvements	\$	20,000	Various	Yes	\$	29.13	\$ 583

Project Name/Description	Project Description		Approved Budgeted Amount	Community	Taxable	Tax Rate (1)	QCPAC Eligible Property Tax Expense
Miscellaneous Equipment Purchased	Miscellaneous Equipment Purchased	\$	20,000	Various	Yes	\$ 29.13	\$ 583
Miscellaneous SCADA/Electrical	Miscellaneous SCADA/Electrical	\$	30,000	Various	Yes	\$ 29.13	\$ 874
Well Rehabilitation	Well Rehabilitation	\$	50,000	Various	Yes	\$ 29.13	\$ 1,457
WTP Structural/HVAC	WTP Structural/HVAC	\$	10,000	Nashua	Yes	\$ 29.82	\$ 298
Purchase new lab equipment	Purchase new lab equipment	\$	20,000	Nashua	No	\$ 29.82	\$ =
Miscellaneous Fencing and Security projects	Miscellaneous Fencing and Security projects	\$	10,000	Various	Yes	\$ 29.82	\$ 298
Replace Vehicle	Run Rate Replacement of Water supply vehicles	\$	65,000	Nashua	No	\$ 29.82	\$
Replace Vehicle	Run Rate Replacement of Water supply vehicles	\$	65,000	Nashua	No	\$ 29.82	
Replace Vehicle	Run Rate Replacement of Water supply vehicles	\$	40,000	Nashua	No	\$ 29.82	
Replace Vehicle	Run Rate Replacement of Water supply vehicles	\$	40,000	Nashua	No	\$ 29.82	
Carbon Media changeout - filters 3 & 4	Carbon Media changeout - filters 3 & 4	\$	550,000	Nashua	Yes	\$ 29.82	
Work Order and Asset Management (Synergen upgrade)	Upgrade WAM to new infrastructure and interface	\$	90,000	Merrimack	Yes	\$ 28.17	\$ 2,535
Miscellaneous Hardware	Miscellaneous Hardware	\$	15,000	Merrimack	No	\$ 28.17	\$:
Miscellaneous Software	Miscellaneous Software	\$	12,000	Merrimack	No	\$ 28.17	\$ -
Other IT Miscellanious Projects - Run Rate	Other IT Miscellanious Projects - Run Rate	\$	275,000	Merrimack	No	\$ 28.17	\$ =
				Projected Prope	erty Tax Expense	e associated with	
Pen	nichuck Water Works Projected 2020 Total Capital Expenditure Budge	- \$	9,953,400			CPAC projects -	\$ 271,909

^{1.} Tax rate is the sum of the local community rate plus the Statewide Utility tax rate of \$6.60/\$1000