

3/16/2018

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Northern NH			AUTH: 008041	
Construction Authorization			Date: 3/2/2018	
			Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB01 Budget Year: 2018 Description: Gas main ext < \$30K Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 3/2/2018 8:21:45 AM Initiated By: Johnson, Philip Finalized Date: 3/16/2018 10:09:41 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/9/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$250,000.00
3/9/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
3/9/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$250,000.00
3/12/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
3/12/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
3/12/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$250,000.00
DESCRIPTION/SCOPE				
This Authorization is for the installation of gas mains and services associated with the Company's system expansion initiative. The project(s) associated with this "blanket" authorization are smaller in scale and have an estimated per project total capital expenditure that is not expected to exceed \$30,000. Each of the project(s) associated with this Authorization will have an individual CWO assigned, which will correspond to specific G-Intake package. The authorized amount was derived using a historical trend analysis from 2015-2017. The 2018 projection is for 18 projects with an estimated expenditure of \$250,000.				
JUSTIFICATION				
These growth projects will be evaluated and approved for construction by Business Services in accordance with Unitil's Policies for the Installation of New Gas Service/Main Extension and Rate of Return Criteria. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$0 Total Net This Authorization: \$250,000 Remaining Budget: \$1,745,704				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183413			Gas main ext < \$30K	\$250,000.00
			Total	\$250,000.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201805	N-008041-00183419	M&S ISSUE			\$389.74
27-804 Total						\$389.74
40-805						
	201805	N-008041-00183419	VOUCHERS	NEUCO	UA304008-19	\$4,843.26
	201805	N-008041-00183419	VOUCHERS	NEUCO	UA305001-19	\$10,410.34
40-805 Total						\$15,253.60
50-807						
	201805	N-008041-00183419	M/S STORES EXPENSE			\$253.34
	201810	N-008041-00183419	M/S STORES EXPENSE			(\$2.05)
	201811	N-008041-00183419	M/S STORES EXPENSE			(\$14.08)
50-807 Total						\$237.21
51-850						
	201805	N-008041-00183419	EXMPT STOCK EXPENSE			\$116.92
	201810	N-008041-00183419	EXMPT STOCK EXPENSE			(\$0.51)
	201811	N-008041-00183419	EXMPT STOCK EXPENSE			(\$3.52)
51-850 Total						\$112.89
55-857						
	201805	N-008041-00183419	EXEMPT STK STORES EXPENSE			\$76.00
	201810	N-008041-00183419	EXEMPT STK STORES EXPENSE			(\$0.10)
	201811	N-008041-00183419	EXEMPT STK STORES EXPENSE			(\$0.70)
55-857 Total						\$75.20
70-811						
	201805	N-008041-00183419	CONST E&O OVERHEADS			\$6,789.81
	201810	N-008041-00183419	CONST E&O OVERHEADS			(\$3.87)
	201811	N-008041-00183419	CONST E&O OVERHEADS			(\$22.17)
70-811 Total						\$6,763.77
70-813						
	201805	N-008041-00183419	CONST OHDS CAP			\$963.23
	201810	N-008041-00183419	CONST OHDS CAP			(\$0.72)
	201811	N-008041-00183419	CONST OHDS CAP			(\$4.77)
70-813 Total						\$957.74
90-822						
	201805	N-008041-00183419	INTEREST CAPITALIZED			\$23.71
	201810	N-008041-00183419	INTEREST CAPITALIZED			\$24.96
90-822 Total						\$48.67
90-848						
	201804	N-008041-00183419	SUNDRY REVENUE			(\$1,144.00)
90-848 Total						(\$1,144.00)
K7-804						
	201810	N-008041-00183419	ISSUE REVERSAL			(\$10.24)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201811	N-008041-00183419	ISSUE REVERSAL			(\$70.38)
K7-804 Total						<u>(\$80.62)</u>
						<u>\$22,614.20</u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201806	N-008041-00183423	M&S ISSUE			\$392.22
	201808	N-008041-00183423	M&S ISSUE			\$10.85
27-804 Total						\$403.07
40-805						
	201805	N-008041-00183423	VOUCHERS	CITY PORTS	05142018	\$300.00
	201806	N-008041-00183423	VOUCHERS	BANK AMER VISA	RIPLEY MAY 2018	\$26.75
	201807	N-008041-00183423	VOUCHERS	NEUCO	U3206003-19	\$4,809.32
40-805 Total						\$5,136.07
50-807						
	201806	N-008041-00183423	M/S STORES EXPENSE			\$248.28
	201808	N-008041-00183423	M/S STORES EXPENSE			\$7.05
50-807 Total						\$255.33
51-850						
	201806	N-008041-00183423	EXMPT STOCK EXPENSE			\$114.59
	201808	N-008041-00183423	EXMPT STOCK EXPENSE			\$2.71
51-850 Total						\$117.30
55-857						
	201806	N-008041-00183423	EXEMPT STK STORES EXPENSE			\$74.48
	201808	N-008041-00183423	EXEMPT STK STORES EXPENSE			\$1.76
55-857 Total						\$76.24
70-811						
	201805	N-008041-00183423	CONST E&O OVERHEADS			\$126.60
	201806	N-008041-00183423	CONST E&O OVERHEADS			\$357.05
	201807	N-008041-00183423	CONST E&O OVERHEADS			\$2,068.01
	201808	N-008041-00183423	CONST E&O OVERHEADS			\$9.62
70-811 Total						\$2,561.28
70-813						
	201805	N-008041-00183423	CONST OHDS CAP			\$17.96
	201806	N-008041-00183423	CONST OHDS CAP			\$50.66
	201807	N-008041-00183423	CONST OHDS CAP			\$412.64
	201808	N-008041-00183423	CONST OHDS CAP			\$1.92
70-813 Total						\$483.18
90-822						
	201806	N-008041-00183423	INTEREST CAPITALIZED			\$1.80
	201807	N-008041-00183423	INTEREST CAPITALIZED			\$11.20
	201808	N-008041-00183423	INTEREST CAPITALIZED			\$9.63
90-822 Total						\$22.63
90-848						
	201804	N-008041-00183423	SUNDRY REVENUE			(\$252.00)
90-848 Total						(\$252.00)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201806	N-008041-00183423	ISSUE REVERSAL			(\$10.24)
K7-804 Total						(\$10.24)
						\$8,792.86

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201805	N-008041-00183428	M&S ISSUE			\$1,535.61
	201808	N-008041-00183428	M&S ISSUE			\$78.40
27-804 Total						\$1,614.01
40-805						
	201806	N-008041-00183428	VOUCHERS	NEUCO	U6905005-19	\$2,466.48
40-805 Total						\$2,466.48
50-807						
	201805	N-008041-00183428	M/S STORES EXPENSE			\$966.02
	201808	N-008041-00183428	M/S STORES EXPENSE			(\$751.50)
50-807 Total						\$214.52
51-850						
	201805	N-008041-00183428	EXMPT STOCK EXPENSE			\$445.85
	201808	N-008041-00183428	EXMPT STOCK EXPENSE			(\$289.04)
51-850 Total						\$156.81
55-857						
	201805	N-008041-00183428	EXEMPT STK STORES EXPENSE			\$289.80
	201808	N-008041-00183428	EXEMPT STK STORES EXPENSE			(\$187.88)
55-857 Total						\$101.92
70-811						
	201805	N-008041-00183428	CONST E&O OVERHEADS			\$1,345.27
	201806	N-008041-00183428	CONST E&O OVERHEADS			\$1,040.85
	201808	N-008041-00183428	CONST E&O OVERHEADS			(\$1,025.36)
70-811 Total						\$1,360.76
70-813						
	201805	N-008041-00183428	CONST OHDS CAP			\$190.84
	201806	N-008041-00183428	CONST OHDS CAP			\$147.66
	201808	N-008041-00183428	CONST OHDS CAP			(\$204.60)
70-813 Total						\$133.90
90-822						
	201805	N-008041-00183428	INTEREST CAPITALIZED			\$5.20
	201806	N-008041-00183428	INTEREST CAPITALIZED			\$14.41
	201808	N-008041-00183428	INTEREST CAPITALIZED			\$7.23
90-822 Total						\$26.84
K7-804						
	201805	N-008041-00183428	ISSUE REVERSAL			(\$49.44)
	201808	N-008041-00183428	ISSUE REVERSAL			(\$1,234.54)
K7-804 Total						(\$1,283.98)
						\$4,791.26

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201805	N-008041-00183431	M&S ISSUE			\$470.34
	201812	N-008041-00183431	M&S ISSUE			\$107.31
27-804 Total						\$577.65
40-805						
	201806	N-008041-00183431	VOUCHERS	NEUCO	U6905003-19	\$4,194.94
40-805 Total						\$4,194.94
50-807						
	201805	N-008041-00183431	M/S STORES EXPENSE			\$305.73
	201812	N-008041-00183431	M/S STORES EXPENSE			(\$10.13)
50-807 Total						\$295.60
51-850						
	201805	N-008041-00183431	EXMPT STOCK EXPENSE			\$141.10
	201812	N-008041-00183431	EXMPT STOCK EXPENSE			(\$2.53)
51-850 Total						\$138.57
55-857						
	201805	N-008041-00183431	EXEMPT STK STORES EXPENSE			\$91.72
	201812	N-008041-00183431	EXEMPT STK STORES EXPENSE			(\$0.51)
55-857 Total						\$91.21
70-811						
	201805	N-008041-00183431	CONST E&O OVERHEADS			\$425.75
	201806	N-008041-00183431	CONST E&O OVERHEADS			\$1,770.26
	201812	N-008041-00183431	CONST E&O OVERHEADS			(\$4.08)
70-811 Total						\$2,191.93
70-813						
	201805	N-008041-00183431	CONST OHDS CAP			\$60.40
	201806	N-008041-00183431	CONST OHDS CAP			\$251.14
	201812	N-008041-00183431	CONST OHDS CAP			(\$5.34)
70-813 Total						\$306.20
90-822						
	201805	N-008041-00183431	INTEREST CAPITALIZED			\$1.64
	201806	N-008041-00183431	INTEREST CAPITALIZED			\$10.13
	201812	N-008041-00183431	INTEREST CAPITALIZED			\$8.44
90-822 Total						\$20.21
K7-804						
	201812	N-008041-00183431	ISSUE REVERSAL			(\$157.95)
K7-804 Total						(\$157.95)
						\$7,658.36

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201809	N-008041-00183432	M&S ISSUE			\$511.62
27-804 Total						\$511.62
40-805						
	201810	N-008041-00183432	VOUCHERS	NEUCO	U4809004-19	\$5,261.83
	201811	N-008041-00183432	VOUCHERS	NEUCO	U3210008-19	\$744.85
40-805 Total						\$6,006.68
50-807						
	201809	N-008041-00183432	M/S STORES EXPENSE			\$219.88
50-807 Total						\$219.88
51-850						
	201809	N-008041-00183432	EXMPT STOCK EXPENSE			\$84.57
51-850 Total						\$84.57
55-857						
	201809	N-008041-00183432	EXEMPT STK STORES EXPENSE			\$54.97
55-857 Total						\$54.97
70-811						
	201809	N-008041-00183432	CONST E&O OVERHEADS			\$300.00
	201810	N-008041-00183432	CONST E&O OVERHEADS			\$1,578.55
	201811	N-008041-00183432	CONST E&O OVERHEADS			\$186.21
70-811 Total						\$2,064.76
70-813						
	201809	N-008041-00183432	CONST OHDS CAP			\$59.86
	201810	N-008041-00183432	CONST OHDS CAP			\$294.14
	201811	N-008041-00183432	CONST OHDS CAP			\$40.04
70-813 Total						\$394.04
90-822						
	201809	N-008041-00183432	INTEREST CAPITALIZED			\$0.58
90-822 Total						\$0.58
K7-804						
	201809	N-008041-00183432	ISSUE REVERSAL			(\$173.36)
K7-804 Total						(\$173.36)
						\$9,163.74

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201808	N-008041-00183441	M&S ISSUE			\$759.78
	201809	N-008041-00183441	M&S ISSUE			\$47.20
	201810	N-008041-00183441	M&S ISSUE			\$85.05
27-804 Total						\$892.03
40-805						
	201808	N-008041-00183441	VOUCHERS	NEUCO	U9508003-19	\$6,273.64
	201809	N-008041-00183441	VOUCHERS	NEUCO	U9508005-19	\$2,370.72
40-805 Total						\$8,644.36
50-807						
	201808	N-008041-00183441	M/S STORES EXPENSE			\$466.51
	201809	N-008041-00183441	M/S STORES EXPENSE			(\$153.60)
	201810	N-008041-00183441	M/S STORES EXPENSE			(\$3.57)
50-807 Total						\$309.34
51-850						
	201808	N-008041-00183441	EXMPT STOCK EXPENSE			\$179.43
	201809	N-008041-00183441	EXMPT STOCK EXPENSE			(\$59.08)
	201810	N-008041-00183441	EXMPT STOCK EXPENSE			(\$0.89)
51-850 Total						\$119.46
55-857						
	201808	N-008041-00183441	EXEMPT STK STORES EXPENSE			\$116.63
	201809	N-008041-00183441	EXEMPT STK STORES EXPENSE			(\$38.40)
	201810	N-008041-00183441	EXEMPT STK STORES EXPENSE			(\$0.18)
55-857 Total						\$78.05
70-811						
	201808	N-008041-00183441	CONST E&O OVERHEADS			\$3,334.19
	201809	N-008041-00183441	CONST E&O OVERHEADS			\$809.83
	201810	N-008041-00183441	CONST E&O OVERHEADS			(\$6.75)
70-811 Total						\$4,137.27
70-813						
	201808	N-008041-00183441	CONST OHDS CAP			\$665.29
	201809	N-008041-00183441	CONST OHDS CAP			\$161.59
	201810	N-008041-00183441	CONST OHDS CAP			(\$1.26)
70-813 Total						\$825.62
90-822						
	201808	N-008041-00183441	INTEREST CAPITALIZED			\$7.36
	201809	N-008041-00183441	INTEREST CAPITALIZED			\$23.43
	201810	N-008041-00183441	INTEREST CAPITALIZED			\$13.27
90-822 Total						\$44.06
90-848						
	201806	N-008041-00183441	SUNDRY REVENUE			(\$2,530.00)
90-848 Total						(\$2,530.00)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201808	N-008041-00183441	ISSUE REVERSAL			(\$42.06)
	201809	N-008041-00183441	ISSUE REVERSAL			(\$283.51)
	201810	N-008041-00183441	ISSUE REVERSAL			(\$102.90)
K7-804 Total						<u>(\$428.47)</u>
						<u>\$12,091.72</u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201808	N-008041-00183446	M&S ISSUE			\$466.16
	201809	N-008041-00183446	M&S ISSUE			\$12.48
27-804 Total						\$478.64
40-805						
	201808	N-008041-00183446	VOUCHERS	NEUCO	UA308004-19	\$7,691.91
40-805 Total						\$7,691.91
50-807						
	201808	N-008041-00183446	M/S STORES EXPENSE			\$214.83
	201809	N-008041-00183446	M/S STORES EXPENSE			\$8.11
50-807 Total						\$222.94
51-850						
	201808	N-008041-00183446	EXMPT STOCK EXPENSE			\$82.63
	201809	N-008041-00183446	EXMPT STOCK EXPENSE			\$3.12
51-850 Total						\$85.75
55-857						
	201808	N-008041-00183446	EXEMPT STK STORES EXPENSE			\$53.71
	201809	N-008041-00183446	EXEMPT STK STORES EXPENSE			\$2.03
55-857 Total						\$55.74
70-811						
	201808	N-008041-00183446	CONST E&O OVERHEADS			\$3,600.64
	201809	N-008041-00183446	CONST E&O OVERHEADS			\$11.07
70-811 Total						\$3,611.71
70-813						
	201808	N-008041-00183446	CONST OHDS CAP			\$718.45
	201809	N-008041-00183446	CONST OHDS CAP			\$2.21
70-813 Total						\$720.66
90-822						
	201808	N-008041-00183446	INTEREST CAPITALIZED			\$13.96
	201809	N-008041-00183446	INTEREST CAPITALIZED			\$13.98
90-822 Total						\$27.94
K7-804						
	201808	N-008041-00183446	ISSUE REVERSAL			(\$135.65)
K7-804 Total						(\$135.65)
						\$12,759.64

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201809	N-008041-00183455	M&S ISSUE			\$1,475.76
	201810	N-008041-00183455	M&S ISSUE			\$128.17
	201812	N-008041-00183455	M&S ISSUE			\$6.04
27-804 Total						\$1,609.97
40-805						
	201810	N-008041-00183455	VOUCHERS	NEUCO	U3509005-19	\$7,908.94
	201810	N-008041-00183455	VOUCHERS	NEUCO	U3509007-19	\$3,386.08
	201810	N-008041-00183455	VOUCHERS	NEUCO	U3510002-19	\$3,386.08
40-805 Total						\$14,681.10
50-807						
	201809	N-008041-00183455	M/S STORES EXPENSE			\$959.25
	201810	N-008041-00183455	M/S STORES EXPENSE			(\$28.01)
	201812	N-008041-00183455	M/S STORES EXPENSE			(\$41.52)
50-807 Total						\$889.72
51-850						
	201809	N-008041-00183455	EXMPT STOCK EXPENSE			\$368.94
	201810	N-008041-00183455	EXMPT STOCK EXPENSE			(\$7.01)
	201812	N-008041-00183455	EXMPT STOCK EXPENSE			(\$10.38)
51-850 Total						\$351.55
55-857						
	201809	N-008041-00183455	EXEMPT STK STORES EXPENSE			\$239.81
	201810	N-008041-00183455	EXEMPT STK STORES EXPENSE			(\$1.40)
	201812	N-008041-00183455	EXEMPT STK STORES EXPENSE			(\$2.08)
55-857 Total						\$236.33
70-811						
	201809	N-008041-00183455	CONST E&O OVERHEADS			\$1,308.82
	201810	N-008041-00183455	CONST E&O OVERHEADS			\$4,351.36
	201812	N-008041-00183455	CONST E&O OVERHEADS			(\$16.71)
70-811 Total						\$5,643.47
70-813						
	201809	N-008041-00183455	CONST OHDS CAP			\$261.15
	201810	N-008041-00183455	CONST OHDS CAP			\$810.81
	201812	N-008041-00183455	CONST OHDS CAP			(\$21.90)
70-813 Total						\$1,050.06
90-822						
	201809	N-008041-00183455	INTEREST CAPITALIZED			\$5.08
	201810	N-008041-00183455	INTEREST CAPITALIZED			\$31.78
	201812	N-008041-00183455	INTEREST CAPITALIZED			\$26.54
90-822 Total						\$63.40
K7-804						
	201810	N-008041-00183455	ISSUE REVERSAL			(\$268.31)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201812	N-008041-00183455	ISSUE REVERSAL			(\$213.64)
K7-804 Total						(\$481.95)
						<u>\$24,043.65</u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201810	N-008041-00183459	M&S ISSUE			\$984.88
	201811	N-008041-00183459	M&S ISSUE			\$9.80
27-804 Total						\$994.68
40-805						
	201810	N-008041-00183459	VOUCHERS	NEUCO	U9509005-19	\$9,390.95
40-805 Total						\$9,390.95
50-807						
	201810	N-008041-00183459	M/S STORES EXPENSE			\$185.37
	201811	N-008041-00183459	M/S STORES EXPENSE			(\$30.19)
50-807 Total						\$155.18
51-850						
	201810	N-008041-00183459	EXMPT STOCK EXPENSE			\$46.34
	201811	N-008041-00183459	EXMPT STOCK EXPENSE			(\$7.55)
51-850 Total						\$38.79
55-857						
	201810	N-008041-00183459	EXEMPT STK STORES EXPENSE			\$9.27
	201811	N-008041-00183459	EXEMPT STK STORES EXPENSE			(\$1.51)
55-857 Total						\$7.76
70-811						
	201810	N-008041-00183459	CONST E&O OVERHEADS			\$3,167.64
	201811	N-008041-00183459	CONST E&O OVERHEADS			(\$47.56)
70-811 Total						\$3,120.08
70-813						
	201810	N-008041-00183459	CONST OHDS CAP			\$590.24
	201811	N-008041-00183459	CONST OHDS CAP			(\$10.23)
70-813 Total						\$580.01
90-822						
	201810	N-008041-00183459	INTEREST CAPITALIZED			\$15.75
	201811	N-008041-00183459	INTEREST CAPITALIZED			\$15.61
90-822 Total						\$31.36
K7-804						
	201810	N-008041-00183459	ISSUE REVERSAL			(\$58.02)
	201811	N-008041-00183459	ISSUE REVERSAL			(\$160.79)
K7-804 Total						(\$218.81)
						\$14,100.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201810	N-008041-00183461	M&S ISSUE			\$2,547.30
	201811	N-008041-00183461	M&S ISSUE			\$17.93
	201812	N-008041-00183461	M&S ISSUE			\$55.69
27-804 Total						\$2,620.92
40-805						
	201811	N-008041-00183461	VOUCHERS	NEUCO	U9710006-19	\$840.00
	201811	N-008041-00183461	VOUCHERS	NEUCO	U9710009-19	\$39,217.30
40-805 Total						\$40,057.30
50-807						
	201810	N-008041-00183461	M/S STORES EXPENSE			\$509.47
	201811	N-008041-00183461	M/S STORES EXPENSE			(\$132.78)
	201812	N-008041-00183461	M/S STORES EXPENSE			(\$55.10)
50-807 Total						\$321.59
51-850						
	201810	N-008041-00183461	EXMPT STOCK EXPENSE			\$127.37
	201811	N-008041-00183461	EXMPT STOCK EXPENSE			(\$33.19)
	201812	N-008041-00183461	EXMPT STOCK EXPENSE			(\$13.78)
51-850 Total						\$80.40
55-857						
	201810	N-008041-00183461	EXEMPT STK STORES EXPENSE			\$25.47
	201811	N-008041-00183461	EXEMPT STK STORES EXPENSE			(\$6.64)
	201812	N-008041-00183461	EXEMPT STK STORES EXPENSE			(\$2.76)
55-857 Total						\$16.07
70-811						
	201810	N-008041-00183461	CONST E&O OVERHEADS			\$962.88
	201811	N-008041-00183461	CONST E&O OVERHEADS			\$9,805.21
	201812	N-008041-00183461	CONST E&O OVERHEADS			(\$22.18)
70-811 Total						\$10,745.91
70-813						
	201810	N-008041-00183461	CONST OHDS CAP			\$179.42
	201811	N-008041-00183461	CONST OHDS CAP			\$2,108.12
	201812	N-008041-00183461	CONST OHDS CAP			(\$29.07)
70-813 Total						\$2,258.47
90-822						
	201810	N-008041-00183461	INTEREST CAPITALIZED			\$4.79
	201811	N-008041-00183461	INTEREST CAPITALIZED			\$65.82
	201812	N-008041-00183461	INTEREST CAPITALIZED			\$60.82
90-822 Total						\$131.43
K7-804						
	201811	N-008041-00183461	ISSUE REVERSAL			(\$681.80)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201812	N-008041-00183461	ISSUE REVERSAL			(\$331.22)
K7-804 Total						(\$1,013.02)
						<u>\$55,219.07</u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201811	N-008041-00183467	M&S ISSUE			\$594.17
	201812	N-008041-00183467	M&S ISSUE			\$113.37
27-804 Total						\$707.54
40-805						
	201812	N-008041-00183467	VOUCHERS	NEUCO	U691101-019	\$16,190.28
	201812	N-008041-00183467	VOUCHERS	NEUCO	U691105-019	\$2,158.22
40-805 Total						\$18,348.50
50-807						
	201811	N-008041-00183467	M/S STORES EXPENSE			\$96.26
	201812	N-008041-00183467	M/S STORES EXPENSE			\$10.78
50-807 Total						\$107.04
51-850						
	201811	N-008041-00183467	EXMPT STOCK EXPENSE			\$24.07
	201812	N-008041-00183467	EXMPT STOCK EXPENSE			\$2.69
51-850 Total						\$26.76
55-857						
	201811	N-008041-00183467	EXEMPT STK STORES EXPENSE			\$4.81
	201812	N-008041-00183467	EXEMPT STK STORES EXPENSE			\$0.54
55-857 Total						\$5.35
70-811						
	201811	N-008041-00183467	CONST E&O OVERHEADS			\$151.63
	201812	N-008041-00183467	CONST E&O OVERHEADS			\$1,176.81
70-811 Total						\$1,328.44
70-813						
	201811	N-008041-00183467	CONST OHDS CAP			\$32.60
	201812	N-008041-00183467	CONST OHDS CAP			\$1,542.18
70-813 Total						\$1,574.78
90-822						
	201811	N-008041-00183467	INTEREST CAPITALIZED			\$0.87
	201812	N-008041-00183467	INTEREST CAPITALIZED			\$12.49
90-822 Total						\$13.36
90-848						
	201812	N-008041-00183467	SUNDRY REVENUE			(\$987.00)
90-848 Total						(\$987.00)
95-865						
	201901	N-008041-00183467	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						\$0.00
K7-804						
	201811	N-008041-00183467	ISSUE REVERSAL			(\$112.81)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201812	N-008041-00183467	ISSUE REVERSAL			(\$59.51)
K7-804 Total						(\$172.32)
						<u>\$20,952.45</u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201811	N-008041-00183469	M&S ISSUE			\$890.47
	201812	N-008041-00183469	M&S ISSUE			\$26.55
27-804 Total						\$917.02
40-805						
	201812	N-008041-00183469	VOUCHERS	NEUCO	U691105-019	\$3,618.08
	201812	N-008041-00183469	VOUCHERS	NEUCO	U691108-019	\$4,044.76
40-805 Total						\$7,662.84
50-807						
	201811	N-008041-00183469	M/S STORES EXPENSE			\$167.13
	201812	N-008041-00183469	M/S STORES EXPENSE			(\$40.04)
50-807 Total						\$127.09
51-850						
	201811	N-008041-00183469	EXMPT STOCK EXPENSE			\$41.78
	201812	N-008041-00183469	EXMPT STOCK EXPENSE			(\$10.01)
51-850 Total						\$31.77
55-857						
	201811	N-008041-00183469	EXEMPT STK STORES EXPENSE			\$8.36
	201812	N-008041-00183469	EXEMPT STK STORES EXPENSE			(\$2.00)
55-857 Total						\$6.36
70-811						
	201811	N-008041-00183469	CONST E&O OVERHEADS			\$263.24
	201812	N-008041-00183469	CONST E&O OVERHEADS			\$473.54
70-811 Total						\$736.78
70-813						
	201811	N-008041-00183469	CONST OHDS CAP			\$56.60
	201812	N-008041-00183469	CONST OHDS CAP			\$620.56
70-813 Total						\$677.16
90-822						
	201811	N-008041-00183469	INTEREST CAPITALIZED			\$1.51
	201812	N-008041-00183469	INTEREST CAPITALIZED			\$6.19
90-822 Total						\$7.70
K7-804						
	201811	N-008041-00183469	ISSUE REVERSAL			(\$54.78)
	201812	N-008041-00183469	ISSUE REVERSAL			(\$226.75)
K7-804 Total						(\$281.53)
						\$9,885.19

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201811	N-008041-00183472	M&S ISSUE			\$461.81
	201812	N-008041-00183472	M&S ISSUE			\$8.00
27-804 Total						\$469.81
40-805						
	201812	N-008041-00183472	VOUCHERS	NEUCO	U481106-019	\$8,152.98
	201812	N-008041-00183472	VOUCHERS	PETTY CASH NUNH	Nov & Dec 2018	\$100.00
40-805 Total						\$8,252.98
50-807						
	201811	N-008041-00183472	M/S STORES EXPENSE			\$92.37
	201812	N-008041-00183472	M/S STORES EXPENSE			(\$14.10)
50-807 Total						\$78.27
51-850						
	201811	N-008041-00183472	EXMPT STOCK EXPENSE			\$23.09
	201812	N-008041-00183472	EXMPT STOCK EXPENSE			(\$3.53)
51-850 Total						\$19.56
55-857						
	201811	N-008041-00183472	EXEMPT STK STORES EXPENSE			\$4.62
	201812	N-008041-00183472	EXEMPT STK STORES EXPENSE			(\$0.71)
55-857 Total						\$3.91
70-811						
	201811	N-008041-00183472	CONST E&O OVERHEADS			\$145.47
	201812	N-008041-00183472	CONST E&O OVERHEADS			\$521.69
70-811 Total						\$667.16
70-813						
	201811	N-008041-00183472	CONST OHDS CAP			\$31.28
	201812	N-008041-00183472	CONST OHDS CAP			\$683.66
70-813 Total						\$714.94
90-822						
	201811	N-008041-00183472	INTEREST CAPITALIZED			\$0.83
	201812	N-008041-00183472	INTEREST CAPITALIZED			\$5.99
90-822 Total						\$6.82
K7-804						
	201812	N-008041-00183472	ISSUE REVERSAL			(\$78.50)
K7-804 Total						(\$78.50)
						\$10,134.95

11/13/2018

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Northern NH Construction Authorization			AUTH: 008048 Date: 10/23/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB03 Budget Year: 2018 Description: 201 Atlantic Ave N Hampton Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 10/23/2018 1:46:44 PM Initiated By: Johnson, Philip Finalized Date: 11/13/2018 8:40:02 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/31/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$573,060.00
10/31/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$110,481.00
11/1/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$462,579.00
11/1/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
11/6/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
11/8/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
11/8/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$573,060.00
11/9/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
11/9/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision 1 This revision is for the costs associated with encountered ledge and additional cut backs and paving required by the NHDOT. The close proximity of the installed main to the edge of pavement caused the pavement to become undermined and requirements were to cut trench back 1' and repave. Digging conditions were poor and more ledge was encountered than estimated. This Authorization will cover the cost associated with the installation of 3,200' of 6" HDPE gas main and 240' of 2" gas service to the North Hampton Elementary School. This will be fed from the existing 6" IP main in Atlantic Ave. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
Revision 1 This revision is for the costs associated with encountered ledge and additional cut backs and paving required by the NHDOT. The close proximity of the installed main to the edge of pavement caused the pavement to become undermined and requirements were to cut trench back 1' and repave. Digging conditions were poor and more ledge was encountered than estimated. Cost of revision to JAB03: \$181,761 This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$110,481 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 39083.. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$297,609 Total Net This Authorization: \$280,818 Remaining Budget: \$1,417,277				
NOTES				
AUTHORIZATION COMMENTS				

11/13/2018

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CWO Summary		
CWO	Description	Amount
00183421	201 Atlantic Ave N Hampton	\$573,060.00
	Total	\$573,060.00

5/1/2018

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Northern NH Construction Authorization		AUTH: 008048 Date: 4/24/2018 Budgeted Amount: \$1,995,704.00
Budget Item No: JAB03 Budget Year: 2018 Description: 201 Atlantic Ave N Hampton Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:	Type: Original Sequence: 1 Status: Completed Initiated Date: 4/24/2018 9:04:45 AM Initiated By: Johnson, Philip Finalized Date: 5/1/2018 3:01:21 PM Finalized By: Laffond, Courtney	
APPROVALS		ESTIMATED COST SUMMARY
Action Date	Approved	Approver/Title
4/24/2018	YES	Laffond, Courtney <i>Plant Accountant</i>
4/24/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>
4/30/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>
4/26/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>
4/25/2018	YES	Sprague, Kevin <i>Director Engineering</i>
4/30/2018	YES	Main, Dan <i>Assistant Controller</i>
		Description
		Amount
		Total Project Cost:
		\$391,299.00
		Less Customer Contribution:
		\$110,481.00
		Net Authorized Cost:
		\$280,818.00
		Retirement:
		\$0.00
		Cost Of Removal:
		\$0.00
		Salvage:
		\$0.00
		CWO Total:
		\$391,299.00
DESCRIPTION/SCOPE		
This Authorization will cover the cost associated with the installation of 3,200' of 6" HDPE gas main and 240' of 2" gas service to the North Hampton Elementary School. This will be fed from the existing 6" IP main in Atlantic Ave. The local engineering department has reviewed and approved this project.		
JUSTIFICATION		
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$110,481 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 39083..		
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$297,609 Total Net This Authorization: \$280,818 Remaining Budget: \$1,417,277		
NOTES		
AUTHORIZATION COMMENTS		
CWO Summary		
CWO		
00183421		201 Atlantic Ave N Hampton
		Description
		Amount
		\$391,299.00
		Total
		\$391,299.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201808	N-008048-00183421	PAYROLL-ST			\$81.74
10-800 Total						\$81.74
27-804						
	201807	N-008048-00183421	M&S ISSUE			\$24,294.44
	201808	N-008048-00183421	M&S ISSUE			\$2,274.98
	201810	N-008048-00183421	M&S ISSUE			\$159.18
27-804 Total						\$26,728.60
40-805						
	201806	N-008048-00183421	VOUCHERS	SPRINGFIELD MA	183421	\$3,000.00
	201806	N-008048-00183421	VOUCHERS	TREAS NH	NHB18-2011	\$25.00
	201807	N-008048-00183421	VOUCHERS	COLLINS PIPE	3048525	\$745.51
	201807	N-008048-00183421	VOUCHERS	NEUCO	U3206008-19	\$5,552.55
	201808	N-008048-00183421	VOUCHERS	MCGRIFF SEIBEL	075992	\$500.00
	201808	N-008048-00183421	VOUCHERS	MULCARE ENGINEE	MPSI-92301	\$244.78
	201808	N-008048-00183421	VOUCHERS	MULCARE ENGINEE	MPSI-92635	\$531.62
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3207006-19	\$34,487.67
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3207007-19	\$21,798.54
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3208001-19	\$24,101.39
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3208002-19	\$28,569.88
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3208003-19	\$11,128.21
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3208005-19	\$2,435.60
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3208006-19	\$17,379.46
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3507009-19	\$6,546.26
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3507010-19	\$6,584.40
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3508001-19	\$20,450.85
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3508004-19	\$37,942.28
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3206009-19	\$284.00
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3207005-19	\$4,908.69
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3507006-19	\$8,711.56
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3507007-19	\$43,448.99
	201808	N-008048-00183421	VOUCHERS	NEUCO	U3507008-19	\$7,537.19
	201808	N-008048-00183421	VOUCHERS	NEUCO	U6907001-19	\$1,822.44
	201809	N-008048-00183421	VOUCHERS	MULCARE ENGINEE	MPSI-92635-1	(\$0.06)
	201809	N-008048-00183421	VOUCHERS	NEUCO	U3208009-19	\$24,788.88
	201809	N-008048-00183421	VOUCHERS	NEUCO	U3508006-19	\$34,724.42
	201809	N-008048-00183421	VOUCHERS	NEUCO	U3508007-19	\$6,642.00
	201809	N-008048-00183421	VOUCHERS	PROCESS PIPE	100752	\$12,778.38
40-805 Total						\$367,670.49
50-807						
	201807	N-008048-00183421	M/S STORES EXPENSE			\$15,725.68
	201808	N-008048-00183421	M/S STORES EXPENSE			\$1,174.88
	201809	N-008048-00183421	M/S STORES EXPENSE			(\$159.34)
	201810	N-008048-00183421	M/S STORES EXPENSE			(\$1.34)
50-807 Total						\$16,739.88

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
51-850						
	201807	N-008048-00183421	EXMPT STOCK EXPENSE			\$6,048.34
	201808	N-008048-00183421	EXMPT STOCK EXPENSE			\$451.88
	201809	N-008048-00183421	EXMPT STOCK EXPENSE			(\$61.29)
	201810	N-008048-00183421	EXMPT STOCK EXPENSE			(\$0.34)
51-850 Total						\$6,438.59
55-857						
	201807	N-008048-00183421	EXEMPT STK STORES EXPENSE			\$3,931.42
	201808	N-008048-00183421	EXEMPT STK STORES EXPENSE			\$293.72
	201809	N-008048-00183421	EXEMPT STK STORES EXPENSE			(\$39.84)
	201810	N-008048-00183421	EXEMPT STK STORES EXPENSE			(\$0.07)
55-857 Total						\$4,185.23
60-809						
	201808	N-008048-00183421	WORKERS COMP INS			\$2.35
60-809 Total						\$2.35
60-815						
	201808	N-008048-00183421	MEDICAL COSTS CAP.			\$18.80
60-815 Total						\$18.80
60-816						
	201808	N-008048-00183421	401K COSTS CAP.			\$4.27
60-816 Total						\$4.27
60-817						
	201808	N-008048-00183421	PBOP COSTS CAP.			\$7.92
60-817 Total						\$7.92
70-811						
	201806	N-008048-00183421	CONST E&O OVERHEADS			\$1,276.55
	201807	N-008048-00183421	CONST E&O OVERHEADS			\$24,164.65
	201808	N-008048-00183421	CONST E&O OVERHEADS			\$121,807.93
	201809	N-008048-00183421	CONST E&O OVERHEADS			\$33,724.05
	201810	N-008048-00183421	CONST E&O OVERHEADS			(\$2.54)
70-811 Total						\$180,970.64
70-813						
	201806	N-008048-00183421	CONST OHDS CAP			\$181.09
	201807	N-008048-00183421	CONST OHDS CAP			\$4,821.69
	201808	N-008048-00183421	CONST OHDS CAP			\$24,304.93
	201809	N-008048-00183421	CONST OHDS CAP			\$6,729.13
	201810	N-008048-00183421	CONST OHDS CAP			(\$0.47)
70-813 Total						\$36,036.37
80-814						
	201808	N-008048-00183421	SMALL TOOLS			\$3.27
80-814 Total						\$3.27
90-822						
	201808	N-008048-00183421	INTEREST CAPITALIZED			\$426.53

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201809	N-008048-00183421	INTEREST CAPITALIZED			\$1,029.63
	201810	N-008048-00183421	INTEREST CAPITALIZED			\$580.19
90-822 Total						\$2,036.35
90-848						
	201804	N-008048-00183421	SUNDRY REVENUE			(\$110,481.00)
90-848 Total						(\$110,481.00)
90-866						
	201808	N-008048-00183421	PAYROLL TAXES CAP.			\$7.52
90-866 Total						\$7.52
90-867						
	201808	N-008048-00183421	PENSION COST CAP.			\$6.60
90-867 Total						\$6.60
K7-804						
	201807	N-008048-00183421	ISSUE REVERSAL			(\$101.10)
	201808	N-008048-00183421	ISSUE REVERSAL			(\$467.48)
	201809	N-008048-00183421	ISSUE REVERSAL			(\$245.14)
	201810	N-008048-00183421	ISSUE REVERSAL			(\$165.91)
K7-804 Total						(\$979.63)
						\$529,477.99

5/1/2018

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Northern NH Construction Authorization			AUTH: 008049 Date: 4/24/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB04 Budget Year: 2018 Description: 113,114,115 & 117 Batchelder Rd Seabrook Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 4/24/2018 9:56:07 AM Initiated By: Johnson, Philip Finalized Date: 5/1/2018 3:02:21 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/24/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$107,447.00
4/24/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
4/30/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$107,447.00
4/26/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
4/25/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
4/30/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$107,447.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 560' of 2" HDPE gas main and (4) 1 1/4" services. This will be fed from the existing 2" IP main on the property.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 52767.				
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$578,427 Total Net This Authorization: \$107,447 Remaining Budget: \$1,309,830				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00183422		113,114,115 & 117 Batchelder Rd Seabrook	\$107,447.00	
		Total	\$107,447.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201805	N-008049-00183422	M&S ISSUE			\$6,416.23
	201806	N-008049-00183422	M&S ISSUE			\$962.35
	201811	N-008049-00183422	M&S ISSUE			\$376.31
27-804 Total						\$7,754.89
40-805						
	201806	N-008049-00183422	VOUCHERS	NEUCO	UA305005-19	\$19,676.20
	201806	N-008049-00183422	VOUCHERS	NEUCO	UA305007-19	\$29,778.58
	201806	N-008049-00183422	VOUCHERS	NEUCO	UA305009-19	\$6,314.95
40-805 Total						\$55,769.73
50-807						
	201805	N-008049-00183422	M/S STORES EXPENSE			\$3,017.90
	201806	N-008049-00183422	M/S STORES EXPENSE			\$625.53
	201811	N-008049-00183422	M/S STORES EXPENSE			\$52.13
50-807 Total						\$3,695.56
51-850						
	201805	N-008049-00183422	EXMPT STOCK EXPENSE			\$1,392.87
	201806	N-008049-00183422	EXMPT STOCK EXPENSE			\$288.71
	201811	N-008049-00183422	EXMPT STOCK EXPENSE			\$13.03
51-850 Total						\$1,694.61
55-857						
	201805	N-008049-00183422	EXEMPT STK STORES EXPENSE			\$905.37
	201806	N-008049-00183422	EXEMPT STK STORES EXPENSE			\$187.66
	201811	N-008049-00183422	EXEMPT STK STORES EXPENSE			\$2.61
55-857 Total						\$1,095.64
70-811						
	201805	N-008049-00183422	CONST E&O OVERHEADS			\$4,202.71
	201806	N-008049-00183422	CONST E&O OVERHEADS			\$24,405.94
	201811	N-008049-00183422	CONST E&O OVERHEADS			\$82.11
70-811 Total						\$28,690.76
70-813						
	201805	N-008049-00183422	CONST OHDS CAP			\$596.21
	201806	N-008049-00183422	CONST OHDS CAP			\$3,462.30
	201811	N-008049-00183422	CONST OHDS CAP			\$17.65
70-813 Total						\$4,076.16
90-822						
	201805	N-008049-00183422	INTEREST CAPITALIZED			\$16.23
	201806	N-008049-00183422	INTEREST CAPITALIZED			\$126.74
	201811	N-008049-00183422	INTEREST CAPITALIZED			\$110.74
90-822 Total						\$253.71
K7-804						
	201805	N-008049-00183422	ISSUE REVERSAL			(\$1,773.33)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201811	N-008049-00183422	ISSUE REVERSAL			(\$115.64)
K7-804 Total						(\$1,888.97)
						<u>\$101,142.09</u>

5/1/2018

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Northern NH Construction Authorization			AUTH: 008050 Date: 4/25/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB05 Budget Year: 2018 Description: 104 Washington St Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 4/25/2018 8:37:01 AM Initiated By: Johnson, Philip Finalized Date: 5/1/2018 3:02:40 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/27/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$146,251.00
4/27/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
4/30/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$146,251.00
4/30/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
4/30/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
4/30/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$146,251.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 680' of 4" HDPE gas main and (1) 4" service. This will be fed from the existing 4" IP main at Henry Law Ave. This will include 133 meters.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 55392.				
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$685,874 Total Net This Authorization: \$146,251 Remaining Budget: \$1,163,579				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183424			104 Washington St Dover NH	\$146,251.00
			Total	\$146,251.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201806	N-008050-00183424	M&S ISSUE			\$1,798.40
	201807	N-008050-00183424	M&S ISSUE			\$729.84
	201808	N-008050-00183424	M&S ISSUE			\$494.03
	201812	N-008050-00183424	M&S ISSUE			\$1,171.78
	201901	N-008050-00183424	M&S ISSUE			\$595.14
27-804 Total						\$4,789.19
40-805						
	201808	N-008050-00183424	VOUCHERS	NEUCO	U9708001-19	\$24,093.14
	201808	N-008050-00183424	VOUCHERS	NEUCO	U9707004-19	\$27,812.61
	201808	N-008050-00183424	VOUCHERS	NEUCO	U9707005-19	\$12,765.86
	201809	N-008050-00183424	VOUCHERS	BANK AMER VISA	JOHNSON PHIL AUGUST 2018	\$1.25
	201812	N-008050-00183424	VOUCHERS	NEUCO	U351105-019	\$3,386.08
	201812	N-008050-00183424	VOUCHERS	NEUCO	U351201-019	\$32,810.14
	201812	N-008050-00183424	VOUCHERS	NEUCO	UA31202-019	\$3,630.08
40-805 Total						\$104,499.16
50-807						
	201806	N-008050-00183424	M/S STORES EXPENSE			\$1,168.96
	201807	N-008050-00183424	M/S STORES EXPENSE			\$474.40
	201808	N-008050-00183424	M/S STORES EXPENSE			\$282.03
	201812	N-008050-00183424	M/S STORES EXPENSE			\$101.54
	201901	N-008050-00183424	M/S STORES EXPENSE			(\$157.06)
50-807 Total						\$1,869.87
51-850						
	201806	N-008050-00183424	EXMPT STOCK EXPENSE			\$539.52
	201807	N-008050-00183424	EXMPT STOCK EXPENSE			\$182.46
	201808	N-008050-00183424	EXMPT STOCK EXPENSE			\$108.48
	201812	N-008050-00183424	EXMPT STOCK EXPENSE			\$25.39
	201901	N-008050-00183424	EXMPT STOCK EXPENSE			(\$58.91)
51-850 Total						\$796.94
55-857						
	201806	N-008050-00183424	EXEMPT STK STORES EXPENSE			\$350.69
	201807	N-008050-00183424	EXEMPT STK STORES EXPENSE			\$118.60
	201808	N-008050-00183424	EXEMPT STK STORES EXPENSE			\$70.51
	201812	N-008050-00183424	EXEMPT STK STORES EXPENSE			\$5.08
	201901	N-008050-00183424	EXEMPT STK STORES EXPENSE			(\$28.28)
55-857 Total						\$516.60
70-811						
	201806	N-008050-00183424	CONST E&O OVERHEADS			\$1,627.89
	201807	N-008050-00183424	CONST E&O OVERHEADS			\$647.28
	201808	N-008050-00183424	CONST E&O OVERHEADS			\$28,193.61
	201809	N-008050-00183424	CONST E&O OVERHEADS			\$0.54
	201812	N-008050-00183424	CONST E&O OVERHEADS			\$2,585.78
	201901	N-008050-00183424	CONST E&O OVERHEADS			(\$180.54)
70-811 Total						\$32,874.56

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201806	N-008050-00183424	CONST OHDS CAP			\$230.94
	201807	N-008050-00183424	CONST OHDS CAP			\$129.15
	201808	N-008050-00183424	CONST OHDS CAP			\$5,625.61
	201809	N-008050-00183424	CONST OHDS CAP			\$0.11
	201812	N-008050-00183424	CONST OHDS CAP			\$3,388.61
	201901	N-008050-00183424	CONST OHDS CAP			(\$35.05)
70-813 Total						\$9,339.37
90-822						
	201806	N-008050-00183424	INTEREST CAPITALIZED			\$6.29
	201807	N-008050-00183424	INTEREST CAPITALIZED			\$15.09
	201808	N-008050-00183424	INTEREST CAPITALIZED			\$126.92
	201809	N-008050-00183424	INTEREST CAPITALIZED			\$236.25
	201812	N-008050-00183424	INTEREST CAPITALIZED			\$143.67
90-822 Total						\$528.22
K7-804						
	201808	N-008050-00183424	ISSUE REVERSAL			(\$60.12)
	201812	N-008050-00183424	ISSUE REVERSAL			(\$664.02)
	201901	N-008050-00183424	ISSUE REVERSAL			(\$922.39)
K7-804 Total						(\$1,646.53)
						\$153,567.38

12/17/2018

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Northern NH Construction Authorization			AUTH: 008051 Date: 11/30/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB06 Budget Year: 2018 Description: 10 Hampshire Rd Salem NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 3 Status: Completed Initiated Date: 11/30/2018 9:21:13 AM Initiated By: Johnson, Philip Finalized Date: 12/17/2018 2:42:33 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/7/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$97,675.25
12/10/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
12/10/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$97,675.25
12/10/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
12/12/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
12/10/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
12/12/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$97,675.25
12/13/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
12/13/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision 2 This revision is for the costs associated with additional ledge incurred at the street crossing which made hole hogging the street not a viable option. The street needed an open cut removal of ledge and a pave and cutback of trench. This added additional traffic detail costs as well. This was run back through sales and no additional CIAC was required. The cost of this revision is estimated at \$26,108				
Revision1 This revision is to cover the costs associated with unanticipated ledge in area and additional police detail needed for ledge removal. This growth project has been stopped and will proceed upon revision approval. Additional costs were given to sales for a new ROR and there is no CIAC required.				
This Authorization will cover the cost associated with the installation of 290' of 6" HDPE gas main and (1) 1 1/4" service. This will be fed from the existing 6" IP main at Hampshire St. This will include (1) rotary meter. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
Revision 2 This revision is for the costs associated with additional ledge incurred at the street crossing which made hole hogging the street not a viable option. The street needed an open cut removal of ledge and a pave and cutback of trench. This added additional traffic detail costs as well. This was run back through sales and no additional CIAC was required				

12/17/2018

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Revision 1

This revision is to cover the costs associated with unanticipated ledge in area and additional police detail needed for ledge removal. Additional costs were given to sales for a new ROR and there is no CIAC required. This growth project has been stopped and will proceed upon revision approval.

Total 2018 Budget: \$1,995,704
Total Authorization to date: \$1,515,832
Total Net This Authorization: \$0
Revision costs for JAB06: \$27,346

Remaining Budget: \$452,526

This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 57200.

Total 2018 Budget: \$1,995,704
Total Authorization to date: \$832,125
Total Net This Authorization: \$44,221
Remaining Budget: \$1,119,358

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
00183425	10 Hampshire Rd Salem NH	\$97,675.25
	Total	\$97,675.25

9/6/2018

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Northern NH Construction Authorization			AUTH: 008051 Date: 8/27/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB06 Budget Year: 2018 Description: 10 Hampshire Rd Salem NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 8/27/2018 10:44:33 AM Initiated By: Johnson, Philip Finalized Date: 9/6/2018 2:19:03 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/29/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$71,567.00
9/5/2018	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
9/4/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$71,567.00
9/4/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
8/30/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
9/4/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
9/5/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$71,567.00
9/5/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
9/5/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision This revision is to cover the costs associated with unanticipated ledge in area and additional police detail needed for ledge removal. This growth project has been stopped and will proceed upon revision approval. Additional costs were given to sales for a new ROR and there is no CIAC required. This Authorization will cover the cost associated with the installation of 290' of 6" HDPE gas main and (1) 1 1/4" service. This will be fed from the existing 6" IP main at Hampshire St. This will include (1) rotary meter. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
Revision This revision is to cover the costs associated with unanticipated ledge in area and additional police detail needed for ledge removal. Additional costs were given to sales for a new ROR and there is no CIAC required. This growth project has been stopped and will proceed upon revision approval. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,515,832 Total Net This Authorization: \$0 Revision costs for JAB06: \$27,346 Remaining Budget: \$452,526				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing				

9/6/2018

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Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 57200.

Total 2018 Budget: \$1,995,704
Total Authorization to date: \$832,125
Total Net This Authorization: \$44,221
Remaining Budget: \$1,119,358

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
00183425	10 Hampshire Rd Salem NH	\$71,567.00
	Total	\$71,567.00

5/1/2018

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Northern NH Construction Authorization			AUTH: 008051 Date: 4/26/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB06 Budget Year: 2018 Description: 10 Hampshire Rd Salem NH Project Supervisor: Johnson, Phillip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 4/26/2018 9:11:21 AM Initiated By: Johnson, Phillip Finalized Date: 5/1/2018 3:03:08 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/27/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$44,221.00
4/27/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
4/30/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$44,221.00
4/30/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
4/30/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$44,221.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 290' of 6" HDPE gas main and (1) 1 1/4" service. This will be fed from the existing 6" IP main at Hampshire St. This will include (1) rotary meter.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 57200.				
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$832,125 Total Net This Authorization: \$44,221 Remaining Budget: \$1,119,358				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00183425		10 Hampshire Rd Salem NH	\$44,221.00	
Total			\$44,221.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201808	N-008051-00183425	M&S ISSUE			\$4,331.02
	201809	N-008051-00183425	M&S ISSUE			\$63.02
	201810	N-008051-00183425	M&S ISSUE			\$31.51
	201811	N-008051-00183425	M&S ISSUE			\$759.29
	201812	N-008051-00183425	M&S ISSUE			\$135.66
27-804 Total						\$5,320.50
40-805						
	201807	N-008051-00183425	VOUCHERS	PETTY CASH NUNH	07312018-02	\$125.00
	201809	N-008051-00183425	VOUCHERS	NEUCO	U9508008-19	\$7,301.59
	201809	N-008051-00183425	VOUCHERS	NEUCO	U9509002-19	\$14,436.56
	201810	N-008051-00183425	VOUCHERS	NEUCO	U9509003-19	\$24,742.46
	201810	N-008051-00183425	VOUCHERS	NEUCO	U9509004-19	\$18,130.43
	201811	N-008051-00183425	VOUCHERS	NEUCO	U9508013-19	\$252.00
	201811	N-008051-00183425	VOUCHERS	NEUCO	UA310005-19	\$4,731.89
40-805 Total						\$69,719.93
50-807						
	201808	N-008051-00183425	M/S STORES EXPENSE			\$2,815.17
	201809	N-008051-00183425	M/S STORES EXPENSE			\$40.96
	201810	N-008051-00183425	M/S STORES EXPENSE			(\$155.38)
	201811	N-008051-00183425	M/S STORES EXPENSE			\$149.80
	201812	N-008051-00183425	M/S STORES EXPENSE			\$15.52
50-807 Total						\$2,866.07
51-850						
	201808	N-008051-00183425	EXMPT STOCK EXPENSE			\$1,082.76
	201809	N-008051-00183425	EXMPT STOCK EXPENSE			\$15.76
	201810	N-008051-00183425	EXMPT STOCK EXPENSE			(\$38.85)
	201811	N-008051-00183425	EXMPT STOCK EXPENSE			\$37.45
	201812	N-008051-00183425	EXMPT STOCK EXPENSE			\$3.88
51-850 Total						\$1,101.00
55-857						
	201808	N-008051-00183425	EXEMPT STK STORES EXPENSE			\$703.79
	201809	N-008051-00183425	EXEMPT STK STORES EXPENSE			\$10.24
	201810	N-008051-00183425	EXEMPT STK STORES EXPENSE			(\$7.77)
	201811	N-008051-00183425	EXEMPT STK STORES EXPENSE			\$7.49
	201812	N-008051-00183425	EXEMPT STK STORES EXPENSE			\$0.78
55-857 Total						\$714.53
70-811						
	201807	N-008051-00183425	CONST E&O OVERHEADS			\$53.75
	201808	N-008051-00183425	CONST E&O OVERHEADS			\$3,841.08
	201809	N-008051-00183425	CONST E&O OVERHEADS			\$9,403.29
	201810	N-008051-00183425	CONST E&O OVERHEADS			\$12,568.20
	201811	N-008051-00183425	CONST E&O OVERHEADS			\$1,481.92
	201812	N-008051-00183425	CONST E&O OVERHEADS			\$6.25
70-811 Total						\$27,354.49

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201807	N-008051-00183425	CONST OHDS CAP			\$10.73
	201808	N-008051-00183425	CONST OHDS CAP			\$766.43
	201809	N-008051-00183425	CONST OHDS CAP			\$1,876.29
	201810	N-008051-00183425	CONST OHDS CAP			\$2,341.87
	201811	N-008051-00183425	CONST OHDS CAP			\$318.62
	201812	N-008051-00183425	CONST OHDS CAP			\$8.19
70-813 Total						\$5,322.13
90-822						
	201807	N-008051-00183425	INTEREST CAPITALIZED			\$0.21
	201808	N-008051-00183425	INTEREST CAPITALIZED			\$15.31
	201809	N-008051-00183425	INTEREST CAPITALIZED			\$66.67
	201810	N-008051-00183425	INTEREST CAPITALIZED			\$165.61
	201811	N-008051-00183425	INTEREST CAPITALIZED			\$236.60
	201812	N-008051-00183425	INTEREST CAPITALIZED			\$122.61
90-822 Total						\$607.01
K7-804						
	201810	N-008051-00183425	ISSUE REVERSAL			(\$808.41)
	201811	N-008051-00183425	ISSUE REVERSAL			(\$10.24)
	201812	N-008051-00183425	ISSUE REVERSAL			(\$58.05)
K7-804 Total						(\$876.70)
						\$112,128.96

5/23/2018

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Northern NH			AUTH: 008055	
Construction Authorization			Date: 5/9/2018	
			Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB08 Budget Year: 2018 Description: 1 Wentworth Ter Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 5/9/2018 2:33:10 PM Initiated By: Johnson, Philip Finalized Date: 5/23/2018 1:43:38 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/17/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$33,976.00
5/18/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$2,391.00
5/22/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$31,585.00
5/22/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
5/23/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$33,976.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 220' of 2" HDPE -IP gas main and 330' of 1 1/4" service. This will include (1) residential meter.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$2,391 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 45008.				
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$937,096 Total Net This Authorization: \$33,976 Remaining Budget: \$1,024,632				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00183430		1 Wentworth Ter Dover NH	\$33,976.00	
Total			\$33,976.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201805	N-008055-00183430	M&S ISSUE			\$1,489.22
	201808	N-008055-00183430	M&S ISSUE			\$27.30
27-804 Total						\$1,516.52
40-805						
	201806	N-008055-00183430	VOUCHERS	NEUCO	U3205004-19	\$17,006.21
	201806	N-008055-00183430	VOUCHERS	NEUCO	U3205008-19	\$913.46
40-805 Total						\$17,919.67
50-807						
	201805	N-008055-00183430	M/S STORES EXPENSE			\$968.01
	201808	N-008055-00183430	M/S STORES EXPENSE			\$17.75
50-807 Total						\$985.76
51-850						
	201805	N-008055-00183430	EXMPT STOCK EXPENSE			\$446.77
	201808	N-008055-00183430	EXMPT STOCK EXPENSE			\$6.83
51-850 Total						\$453.60
55-857						
	201805	N-008055-00183430	EXEMPT STK STORES EXPENSE			\$290.40
	201808	N-008055-00183430	EXEMPT STK STORES EXPENSE			\$4.44
55-857 Total						\$294.84
70-811						
	201805	N-008055-00183430	CONST E&O OVERHEADS			\$1,348.04
	201806	N-008055-00183430	CONST E&O OVERHEADS			\$7,562.10
	201808	N-008055-00183430	CONST E&O OVERHEADS			\$24.22
70-811 Total						\$8,934.36
70-813						
	201805	N-008055-00183430	CONST OHDS CAP			\$191.24
	201806	N-008055-00183430	CONST OHDS CAP			\$1,072.78
	201808	N-008055-00183430	CONST OHDS CAP			\$4.83
70-813 Total						\$1,268.85
90-822						
	201805	N-008055-00183430	INTEREST CAPITALIZED			\$2.58
	201806	N-008055-00183430	INTEREST CAPITALIZED			\$34.36
	201808	N-008055-00183430	INTEREST CAPITALIZED			\$31.83
90-822 Total						\$68.77
90-848						
	201805	N-008055-00183430	SUNDRY REVENUE			(\$2,391.00)
90-848 Total						(\$2,391.00)
						\$29,051.37

Northern NH			AUTH: 008065	
Construction Authorization			Date: 6/18/2018	
			Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB10 Budget Year: 2018 Description: 121 Corporate Dr Portsmouth NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 6/18/2018 7:59:41 AM Initiated By: Johnson, Philip Finalized Date: 6/22/2018 11:48:07 AM Finalized By: Hilton, Mary Jane	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/20/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$56,824.00
6/21/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
6/21/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$56,824.00
6/21/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
6/21/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
6/21/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$56,824.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 1,100' of 4" HDPE -IP gas main supplied from the existing 4"PE main in Corporate Dr. This will include (2) commercial services. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 57187. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,024,130 Total Net This Authorization: \$56,824 Remaining Budget: \$914,750				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO	Description			Amount
00183440	121 Corporate Dr Portsmouth NH			\$56,824.00
			Total	\$56,824.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201810	N-008065-00183440	PAYROLL-ST			\$382.80
10-800 Total						\$382.80
27-804						
	201807	N-008065-00183440	M&S ISSUE			\$399.48
	201808	N-008065-00183440	M&S ISSUE			\$1,096.97
	201810	N-008065-00183440	M&S ISSUE			\$12,599.45
	201812	N-008065-00183440	M&S ISSUE			\$2,272.47
	201901	N-008065-00183440	M&S ISSUE			\$2,673.27
	201902	N-008065-00183440	M&S ISSUE			\$686.00
27-804 Total						\$19,727.64
30-820						
	201810	N-008065-00183440	TRANSPORTATION JE			\$325.00
30-820 Total						\$325.00
40-805						
	201808	N-008065-00183440	VOUCHERS	NEUCO	U6908006-19	\$4,240.92
	201808	N-008065-00183440	VOUCHERS	NEUCO	U3207001-19	\$7,159.82
	201810	N-008065-00183440	VOUCHERS	BANK AMER VISA	JOHNSON PHIL SEPTEMBER 2018	\$1,674.75
	201810	N-008065-00183440	VOUCHERS	NEUCO	U9510001-19	\$24,280.07
	201811	N-008065-00183440	VOUCHERS	NEUCO	U6910007-19	\$2,964.88
	201811	N-008065-00183440	VOUCHERS	NEUCO	U9510002-19	\$22,822.90
	201811	N-008065-00183440	VOUCHERS	NEUCO	U9510003-19	\$18,332.87
	201901	N-008065-00183440	VOUCHERS	NEUCO	U6901005-20	\$8,044.00
	201902	N-008065-00183440	VOUCHERS	NEUCO	U6901008-20	\$2,964.88
40-805 Total						\$92,485.09
50-807						
	201807	N-008065-00183440	M/S STORES EXPENSE			\$253.08
	201808	N-008065-00183440	M/S STORES EXPENSE			\$515.38
	201810	N-008065-00183440	M/S STORES EXPENSE			\$2,416.30
	201812	N-008065-00183440	M/S STORES EXPENSE			(\$35.64)
	201901	N-008065-00183440	M/S STORES EXPENSE			\$330.10
	201902	N-008065-00183440	M/S STORES EXPENSE			\$329.28
50-807 Total						\$3,808.50
51-850						
	201807	N-008065-00183440	EXMPT STOCK EXPENSE			\$97.34
	201808	N-008065-00183440	EXMPT STOCK EXPENSE			\$198.22
	201810	N-008065-00183440	EXMPT STOCK EXPENSE			\$604.07
	201812	N-008065-00183440	EXMPT STOCK EXPENSE			(\$8.91)
	201901	N-008065-00183440	EXMPT STOCK EXPENSE			\$123.78
	201902	N-008065-00183440	EXMPT STOCK EXPENSE			\$123.48
51-850 Total						\$1,137.98
55-857						
	201807	N-008065-00183440	EXEMPT STK STORES EXPENSE			\$63.27
	201808	N-008065-00183440	EXEMPT STK STORES EXPENSE			\$128.84
	201810	N-008065-00183440	EXEMPT STK STORES EXPENSE			\$120.81

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
55-857						
	201812	N-008065-00183440	EXEMPT STK STORES EXPENSE			(\$1.78)
	201901	N-008065-00183440	EXEMPT STK STORES EXPENSE			\$59.41
	201902	N-008065-00183440	EXEMPT STK STORES EXPENSE			\$59.27
55-857 Total						\$429.82
60-809						
	201810	N-008065-00183440	WORKERS COMP INS			\$7.66
60-809 Total						\$7.66
60-815						
	201810	N-008065-00183440	MEDICAL COSTS CAP.			\$111.01
60-815 Total						\$111.01
60-816						
	201810	N-008065-00183440	401K COSTS CAP.			\$19.14
60-816 Total						\$19.14
60-817						
	201810	N-008065-00183440	PBOP COSTS CAP.			\$30.62
60-817 Total						\$30.62
70-811						
	201807	N-008065-00183440	CONST E&O OVERHEADS			\$345.31
	201808	N-008065-00183440	CONST E&O OVERHEADS			\$5,605.51
	201810	N-008065-00183440	CONST E&O OVERHEADS			\$12,636.79
	201811	N-008065-00183440	CONST E&O OVERHEADS			\$11,030.16
	201812	N-008065-00183440	CONST E&O OVERHEADS			(\$14.35)
	201901	N-008065-00183440	CONST E&O OVERHEADS			\$2,920.48
	201902	N-008065-00183440	CONST E&O OVERHEADS			\$1,315.07
70-811 Total						\$33,838.97
70-813						
	201807	N-008065-00183440	CONST OHDS CAP			\$68.90
	201808	N-008065-00183440	CONST OHDS CAP			\$1,118.49
	201810	N-008065-00183440	CONST OHDS CAP			\$2,354.66
	201811	N-008065-00183440	CONST OHDS CAP			\$2,371.49
	201812	N-008065-00183440	CONST OHDS CAP			(\$18.81)
	201901	N-008065-00183440	CONST OHDS CAP			\$566.91
	201902	N-008065-00183440	CONST OHDS CAP			\$255.27
70-813 Total						\$6,716.91
80-814						
	201810	N-008065-00183440	SMALL TOOLS			\$7.66
80-814 Total						\$7.66
90-822						
	201807	N-008065-00183440	INTEREST CAPITALIZED			\$1.34
	201808	N-008065-00183440	INTEREST CAPITALIZED			\$24.41
	201810	N-008065-00183440	INTEREST CAPITALIZED			\$108.98
	201811	N-008065-00183440	INTEREST CAPITALIZED			\$235.08

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201812	N-008065-00183440	INTEREST CAPITALIZED			\$149.03
90-822 Total						\$518.84
90-866						
	201810	N-008065-00183440	PAYROLL TAXES CAP.			\$34.45
90-866 Total						\$34.45
90-867						
	201810	N-008065-00183440	PENSION COST CAP.			\$26.80
90-867 Total						\$26.80
K7-804						
	201807	N-008065-00183440	ISSUE REVERSAL			(\$10.13)
	201808	N-008065-00183440	ISSUE REVERSAL			(\$304.09)
	201810	N-008065-00183440	ISSUE REVERSAL			(\$517.98)
	201812	N-008065-00183440	ISSUE REVERSAL			(\$2,450.73)
	201901	N-008065-00183440	ISSUE REVERSAL			(\$1,985.60)
K7-804 Total						(\$5,268.53)
						\$154,340.36

3/5/2019

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Northern NH Construction Authorization		AUTH: 008066 Date: 1/11/2019 Budgeted Amount: \$1,995,704.00																														
Budget Item No: JAB11 Budget Year: 2018 Description: 140 Wakefield St Rochester Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:		Type: Revision Sequence: 2 Status: Completed Initiated Date: 1/11/2019 9:23:38 AM Initiated By: Johnson, Philip Finalized Date: 3/5/2019 2:35:25 PM Finalized By: Laffond, Courtney																														
APPROVALS		ESTIMATED COST SUMMARY																														
Action Date	Approved	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Approver/Title</th> <th style="width: 20%;">Description</th> <th style="width: 20%;">Amount</th> </tr> </thead> <tbody> <tr> <td>1/30/2019 YES Laffond, Courtney <i>Plant Accountant</i></td> <td>Total Project Cost:</td> <td>\$114,627.00</td> </tr> <tr> <td>2/6/2019 YES Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i></td> <td>Less Customer Contribution:</td> <td>\$50,566.00</td> </tr> <tr> <td>2/8/2019 YES Hobart, Darrell <i>Manager, Gas Distribution Operations</i></td> <td>Net Authorized Cost:</td> <td>\$64,061.00</td> </tr> <tr> <td>1/30/2019 YES Bickford, Timothy <i>Manager Gas Engineering</i></td> <td>Retirement:</td> <td>\$0.00</td> </tr> <tr> <td>2/25/2019 YES Leblanc, Christopher <i>VP, Gas Operations</i></td> <td>Cost Of Removal:</td> <td>\$11,531.00</td> </tr> <tr> <td>2/7/2019 YES Sprague, Kevin <i>VP, Engineering</i></td> <td>Salvage:</td> <td>\$0.00</td> </tr> <tr> <td>2/7/2019 YES Main, Dan <i>Assistant Controller</i></td> <td>CWO Total:</td> <td>\$103,096.00</td> </tr> <tr> <td>2/25/2019 YES Brock, Laurence <i>Chief Accounting Officer & Controller</i></td> <td></td> <td></td> </tr> <tr> <td>2/25/2019 YES Collin, Mark <i>SVP And Chief Financial Officer</i></td> <td></td> <td></td> </tr> </tbody> </table>	Approver/Title	Description	Amount	1/30/2019 YES Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$114,627.00	2/6/2019 YES Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$50,566.00	2/8/2019 YES Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$64,061.00	1/30/2019 YES Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00	2/25/2019 YES Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$11,531.00	2/7/2019 YES Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00	2/7/2019 YES Main, Dan <i>Assistant Controller</i>	CWO Total:	\$103,096.00	2/25/2019 YES Brock, Laurence <i>Chief Accounting Officer & Controller</i>			2/25/2019 YES Collin, Mark <i>SVP And Chief Financial Officer</i>		
Approver/Title	Description	Amount																														
1/30/2019 YES Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$114,627.00																														
2/6/2019 YES Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$50,566.00																														
2/8/2019 YES Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$64,061.00																														
1/30/2019 YES Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00																														
2/25/2019 YES Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$11,531.00																														
2/7/2019 YES Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00																														
2/7/2019 YES Main, Dan <i>Assistant Controller</i>	CWO Total:	\$103,096.00																														
2/25/2019 YES Brock, Laurence <i>Chief Accounting Officer & Controller</i>																																
2/25/2019 YES Collin, Mark <i>SVP And Chief Financial Officer</i>																																
DESCRIPTION/SCOPE																																
Revision 1: This revision is for the costs associated with a scope change in this project. There was an additional 100' of 6" main that needed to be installed because there was a section of unprotected coated steel main at the proposed tie in point, the main was extended to make a plastic to plastic tie in. This Authorization will cover the cost associated with the relocation of 900' of 6" HDPE -IP gas main at the Rochester High School. This will include the installation of a new 2" service. The local engineering department has reviewed and approved this project.																																
JUSTIFICATION																																
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$50,566 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 60637. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,080,954 Total Net This Authorization: \$36,865 Remaining Budget: \$877,885																																
NOTES																																
AUTHORIZATION COMMENTS																																
CWO Summary																																
CWO	Description	Amount																														
00183442	140 Wakefield St Rochester	\$103,096.00																														
	Total	\$103,096.00																														

7/3/2018

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Northern NH Construction Authorization			AUTH: 008066 Date: 6/20/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB11 Budget Year: 2018 Description: 140 Wakefield St Rochester Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 6/20/2018 8:24:47 AM Initiated By: Johnson, Philip Finalized Date: 7/3/2018 9:26:17 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/29/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$87,431.00
7/2/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$50,566.00
7/2/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$36,865.00
6/29/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
7/2/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$6,638.00
			Salvage:	\$0.00
			CWO Total:	\$80,793.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the relocation of 900' of 6" HDPE -IP gas main at the Rochester High School. This will include the installation of a new 2" service. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$50,566 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 60637. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,080,954 Total Net This Authorization: \$36,865 Remaining Budget: \$877,885				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183442			140 Wakefield St Rochester	\$80,793.00
			Total	\$80,793.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201809	N-008066-00183442	PAYROLL-ST			\$623.34
10-800 Total						\$623.34
27-804						
	201807	N-008066-00183442	M&S ISSUE			\$10,254.00
	201809	N-008066-00183442	M&S ISSUE			\$83.70
27-804 Total						\$10,337.70
30-820						
	201809	N-008066-00183442	TRANSPORTATION JE			\$900.00
30-820 Total						\$900.00
40-805						
	201807	N-008066-00183442	VOUCHERS	NEUCO	U9506004-19	\$4,101.29
	201808	N-008066-00183442	VOUCHERS	NEUCO	U9507001-19	\$33,362.00
	201808	N-008066-00183442	VOUCHERS	NEUCO	U9507002-19	\$12,998.86
	201808	N-008066-00183442	VOUCHERS	NEUCO	U9507003-19	\$15,091.00
	201808	N-008066-00183442	VOUCHERS	NEUCO	U9507004-19	\$23,533.38
	201809	N-008066-00183442	VOUCHERS	NEUCO	U5108007-19	\$241.19
	201812	N-008066-00183442	VOUCHERS	NEUCO	U951103-019	\$1,809.04
40-805 Total						\$91,136.76
50-807						
	201807	N-008066-00183442	M/S STORES EXPENSE			\$6,665.11
	201808	N-008066-00183442	M/S STORES EXPENSE			(\$308.65)
	201809	N-008066-00183442	M/S STORES EXPENSE			(\$42.79)
50-807 Total						\$6,313.67
51-850						
	201807	N-008066-00183442	EXMPT STOCK EXPENSE			\$2,563.50
	201808	N-008066-00183442	EXMPT STOCK EXPENSE			(\$118.72)
	201809	N-008066-00183442	EXMPT STOCK EXPENSE			(\$16.46)
51-850 Total						\$2,428.32
55-857						
	201807	N-008066-00183442	EXEMPT STK STORES EXPENSE			\$1,666.28
	201808	N-008066-00183442	EXEMPT STK STORES EXPENSE			(\$77.17)
	201809	N-008066-00183442	EXEMPT STK STORES EXPENSE			(\$10.70)
55-857 Total						\$1,578.41
60-809						
	201809	N-008066-00183442	WORKERS COMP INS			\$17.95
60-809 Total						\$17.95
60-815						
	201809	N-008066-00183442	MEDICAL COSTS CAP.			\$143.37
60-815 Total						\$143.37

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-816						
	201809	N-008066-00183442	401K COSTS CAP.			\$32.54
60-816 Total						\$32.54
60-817						
	201809	N-008066-00183442	PBOP COSTS CAP.			\$60.40
60-817 Total						\$60.40
70-811						
	201807	N-008066-00183442	CONST E&O OVERHEADS			\$10,857.58
	201808	N-008066-00183442	CONST E&O OVERHEADS			\$36,122.52
	201809	N-008066-00183442	CONST E&O OVERHEADS			\$866.71
	201812	N-008066-00183442	CONST E&O OVERHEADS			\$115.60
70-811 Total						\$47,962.41
70-813						
	201807	N-008066-00183442	CONST OHDS CAP			\$2,166.46
	201808	N-008066-00183442	CONST OHDS CAP			\$7,207.70
	201809	N-008066-00183442	CONST OHDS CAP			\$172.94
	201812	N-008066-00183442	CONST OHDS CAP			\$151.49
70-813 Total						\$9,698.59
80-814						
	201809	N-008066-00183442	SMALL TOOLS			\$24.94
80-814 Total						\$24.94
90-822						
	201808	N-008066-00183442	INTEREST CAPITALIZED			\$85.06
	201809	N-008066-00183442	INTEREST CAPITALIZED			\$101.17
90-822 Total						\$186.23
90-848						
	201807	N-008066-00183442	SUNDRY REVENUE			(\$50,566.00)
	201811	N-008066-00183442	SUNDRY REVENUE			(\$50,782.00)
90-848 Total						(\$101,348.00)
90-866						
	201809	N-008066-00183442	PAYROLL TAXES CAP.			\$57.34
90-866 Total						\$57.34
90-867						
	201809	N-008066-00183442	PENSION COST CAP.			\$50.30
90-867 Total						\$50.30
K7-804						
	201808	N-008066-00183442	ISSUE REVERSAL			(\$474.86)
	201809	N-008066-00183442	ISSUE REVERSAL			(\$149.54)
K7-804 Total						(\$624.40)
						\$69,579.87

11/13/2018

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Northern NH Construction Authorization			AUTH: 008067 Date: 10/26/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB12 Budget Year: 2018 Description: 13 Newfields Rd Exeter Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 10/26/2018 9:12:48 AM Initiated By: Johnson, Philip Finalized Date: 11/13/2018 8:42:30 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/31/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$60,205.00
10/31/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$2,588.00
11/1/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$57,617.00
11/1/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
11/6/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
11/8/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
11/8/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$60,205.00
11/9/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
11/9/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision This revision is to cover the costs associated with an additional day of work needed crossing the Granite State pipeline. We were required to go under the pipeline at a depth of seven feet. This also increased police detail costs. This Authorization will cover the cost associated with the installation of 900' of 2" HDPE -IP gas main at the Exeter Waste Water Treatment Facility. This will include the installation of (3) new 1 1/4" services. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
Revision This revision is to cover the costs associated with an additional day of work needed crossing the Granite State pipeline. We were required to go under the pipeline at a depth of seven feet. This also increased police detail costs. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$3,706,193 Total net this authorization: \$30,206 Cost of revision to JAB12: \$22,041 Remaining Budget: \$ -1,762,736 This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$2,588 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 51916. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,117,819 Total Net This Authorization: \$38,163 Remaining Budget: \$839,722				

11/13/2018

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NOTES		
AUTHORIZATION COMMENTS		
CWO Summary		
CWO	Description	Amount
00183443	13 Newfields Rd Exeter	\$60,205.00
	Total	\$60,205.00

7/3/2018

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Northern NH Construction Authorization			AUTH: 008067 Date: 6/27/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB12 Budget Year: 2018 Description: 13 Newfields Rd Exeter Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 6/27/2018 12:41:58 PM Initiated By: Johnson, Philip Finalized Date: 7/3/2018 9:27:16 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/29/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$40,752.00
7/2/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$2,588.00
7/2/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$38,164.00
6/29/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
7/2/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$40,752.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 900' of 2" HDPE -IP gas main at the Exeter Waste Water Treatment Facility. This will include the installation of (3) new 1 1/4" services.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$2,588 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 51916.				
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,117,819 Total Net This Authorization: \$38,163 Remaining Budget: \$839,722				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00183443		13 Newfields Rd Exeter	\$40,752.00	
		Total	\$40,752.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201807	N-008067-00183443	M&S ISSUE			\$3,296.36
	201808	N-008067-00183443	M&S ISSUE			\$419.20
	201810	N-008067-00183443	M&S ISSUE			\$627.63
	201811	N-008067-00183443	M&S ISSUE			\$49.44
27-804 Total						\$4,392.63
40-805						
	201808	N-008067-00183443	VOUCHERS	NEUCO	U9507006-19	\$21,942.89
	201809	N-008067-00183443	VOUCHERS	NEUCO	UA308010-19	\$3,954.34
	201810	N-008067-00183443	VOUCHERS	NEUCO	U9509007-19	\$3,386.08
40-805 Total						\$29,283.31
50-807						
	201807	N-008067-00183443	M/S STORES EXPENSE			\$2,142.66
	201808	N-008067-00183443	M/S STORES EXPENSE			(\$418.93)
	201810	N-008067-00183443	M/S STORES EXPENSE			\$125.52
	201811	N-008067-00183443	M/S STORES EXPENSE			(\$77.18)
50-807 Total						\$1,772.07
51-850						
	201807	N-008067-00183443	EXMPT STOCK EXPENSE			\$824.09
	201808	N-008067-00183443	EXMPT STOCK EXPENSE			(\$161.13)
	201810	N-008067-00183443	EXMPT STOCK EXPENSE			\$31.38
	201811	N-008067-00183443	EXMPT STOCK EXPENSE			(\$19.29)
51-850 Total						\$675.05
55-857						
	201807	N-008067-00183443	EXEMPT STK STORES EXPENSE			\$535.66
	201808	N-008067-00183443	EXEMPT STK STORES EXPENSE			(\$104.73)
	201810	N-008067-00183443	EXEMPT STK STORES EXPENSE			\$6.28
	201811	N-008067-00183443	EXEMPT STK STORES EXPENSE			(\$3.86)
55-857 Total						\$433.35
70-811						
	201807	N-008067-00183443	CONST E&O OVERHEADS			\$2,923.47
	201808	N-008067-00183443	CONST E&O OVERHEADS			\$8,863.85
	201809	N-008067-00183443	CONST E&O OVERHEADS			\$1,700.37
	201810	N-008067-00183443	CONST E&O OVERHEADS			\$1,253.06
	201811	N-008067-00183443	CONST E&O OVERHEADS			(\$121.55)
70-811 Total						\$14,619.20
70-813						
	201807	N-008067-00183443	CONST OHDS CAP			\$583.33
	201808	N-008067-00183443	CONST OHDS CAP			\$1,768.64
	201809	N-008067-00183443	CONST OHDS CAP			\$339.28
	201810	N-008067-00183443	CONST OHDS CAP			\$233.49
	201811	N-008067-00183443	CONST OHDS CAP			(\$26.13)
70-813 Total						\$2,898.61

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201807	N-008067-00183443	INTEREST CAPITALIZED			\$8.49
	201808	N-008067-00183443	INTEREST CAPITALIZED			\$51.35
	201809	N-008067-00183443	INTEREST CAPITALIZED			\$92.31
	201810	N-008067-00183443	INTEREST CAPITALIZED			\$105.14
	201811	N-008067-00183443	INTEREST CAPITALIZED			\$54.52
90-822 Total						\$311.81
90-848						
	201807	N-008067-00183443	SUNDRY REVENUE			(\$2,588.00)
	201811	N-008067-00183443	SUNDRY REVENUE			(\$1,483.00)
90-848 Total						(\$4,071.00)
K7-804						
	201808	N-008067-00183443	ISSUE REVERSAL			(\$1,063.70)
	201811	N-008067-00183443	ISSUE REVERSAL			(\$435.30)
K7-804 Total						(\$1,499.00)
						\$48,816.03

7/24/2018

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Northern NH Construction Authorization			AUTH: 008069 Date: 7/11/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB13 Budget Year: 2018 Description: 109 Towle Farm Rd Hampton NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 7/11/2018 9:44:36 AM Initiated By: Johnson, Philip Finalized Date: 7/24/2018 2:09:44 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/17/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$114,641.00
7/17/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$29,146.00
7/17/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$85,495.00
7/18/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
7/18/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
7/18/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$114,641.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 1000' of 6" HDPE -IP gas main to serve 109 Towle Farm Rd Hampton. This will include the installation of (1) new 11/4" service.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$29,146 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 55379.				
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,155,982 Total Net This Authorization: \$85,495 Remaining Budget: \$754,227				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183445			109 Towle Farm Rd Hampton NH	\$114,641.00
			Total	\$114,641.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201808	N-008069-00183445	M&S ISSUE			\$8,282.54
	201810	N-008069-00183445	M&S ISSUE			\$200.33
	201811	N-008069-00183445	M&S ISSUE			\$1,883.75
	201812	N-008069-00183445	M&S ISSUE			\$38.40
27-804 Total						\$10,405.02
40-805						
	201808	N-008069-00183445	VOUCHERS	NEUCO	U6908004-19	\$3,196.88
	201809	N-008069-00183445	VOUCHERS	NEUCO	U9508010-19	\$15,524.23
	201809	N-008069-00183445	VOUCHERS	NEUCO	U9508011-19	\$16,402.58
	201809	N-008069-00183445	VOUCHERS	NEUCO	U9508012-19	\$6,387.65
	201809	N-008069-00183445	VOUCHERS	NEUCO	U9509001-19	\$27,867.59
40-805 Total						\$69,378.93
50-807						
	201808	N-008069-00183445	M/S STORES EXPENSE			\$5,383.65
	201809	N-008069-00183445	M/S STORES EXPENSE			(\$2,644.65)
	201810	N-008069-00183445	M/S STORES EXPENSE			\$40.06
	201811	N-008069-00183445	M/S STORES EXPENSE			\$370.47
	201812	N-008069-00183445	M/S STORES EXPENSE			\$1.38
50-807 Total						\$3,150.91
51-850						
	201808	N-008069-00183445	EXMPT STOCK EXPENSE			\$2,070.64
	201809	N-008069-00183445	EXMPT STOCK EXPENSE			(\$1,017.18)
	201810	N-008069-00183445	EXMPT STOCK EXPENSE			\$10.02
	201811	N-008069-00183445	EXMPT STOCK EXPENSE			\$92.62
	201812	N-008069-00183445	EXMPT STOCK EXPENSE			\$0.34
51-850 Total						\$1,156.44
55-857						
	201808	N-008069-00183445	EXEMPT STK STORES EXPENSE			\$1,345.92
	201809	N-008069-00183445	EXEMPT STK STORES EXPENSE			(\$661.17)
	201810	N-008069-00183445	EXEMPT STK STORES EXPENSE			\$2.00
	201811	N-008069-00183445	EXEMPT STK STORES EXPENSE			\$18.52
	201812	N-008069-00183445	EXEMPT STK STORES EXPENSE			\$0.07
55-857 Total						\$705.34
70-811						
	201808	N-008069-00183445	CONST E&O OVERHEADS			\$8,720.24
	201809	N-008069-00183445	CONST E&O OVERHEADS			\$24,849.85
	201810	N-008069-00183445	CONST E&O OVERHEADS			\$75.72
	201811	N-008069-00183445	CONST E&O OVERHEADS			\$583.49
	201812	N-008069-00183445	CONST E&O OVERHEADS			\$0.55
70-811 Total						\$34,229.85
70-813						
	201808	N-008069-00183445	CONST OHDS CAP			\$1,739.99
	201809	N-008069-00183445	CONST OHDS CAP			\$4,958.41
	201810	N-008069-00183445	CONST OHDS CAP			\$14.11

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201811	N-008069-00183445	CONST OHDS CAP			\$125.45
	201812	N-008069-00183445	CONST OHDS CAP			\$0.73
70-813 Total						\$6,838.69
90-822						
	201809	N-008069-00183445	INTEREST CAPITALIZED			\$99.27
	201810	N-008069-00183445	INTEREST CAPITALIZED			\$196.01
	201811	N-008069-00183445	INTEREST CAPITALIZED			\$99.86
90-822 Total						\$395.14
90-848						
	201807	N-008069-00183445	SUNDRY REVENUE			(\$15,000.00)
	201808	N-008069-00183445	SUNDRY REVENUE			(\$14,416.00)
90-848 Total						(\$29,416.00)
K7-804						
	201809	N-008069-00183445	ISSUE REVERSAL			(\$4,068.70)
	201811	N-008069-00183445	ISSUE REVERSAL			(\$31.42)
	201812	N-008069-00183445	ISSUE REVERSAL			(\$31.51)
K7-804 Total						(\$4,131.63)
						\$92,712.69

8/3/2018

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Northern NH			AUTH: 008071	
Construction Authorization			Date: 7/25/2018	
			Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB14 Budget Year: 2018 Description: 21 Mechanic St Rochester NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 7/25/2018 8:28:21 AM Initiated By: Johnson, Philip Finalized Date: 8/3/2018 9:45:35 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/31/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$34,322.00
7/31/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
7/31/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$34,322.00
8/2/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
7/31/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$34,322.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 200' of 2" HDPE -IP gas main to serve 21 Mechanic St. This will include the installation of (3)new 1 1/4" services, and (6) meters.				
The local engineering department has reviewed and approved this project				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unutil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 57191.				
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,241,477 Total Net This Authorization: \$34,322 Remaining Budget: \$719,905				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183449			21 Mechanic St Rochester NH	\$34,322.00
			Total	\$34,322.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201811	N-008071-00183449	M&S ISSUE			\$2,395.33
	201812	N-008071-00183449	M&S ISSUE			\$404.01
27-804 Total						\$2,799.34
40-805						
	201812	N-008071-00183449	VOUCHERS	NEUCO	U481104-019	\$3,196.88
	201812	N-008071-00183449	VOUCHERS	NEUCO	U951107-019	\$3,196.88
40-805 Total						\$6,393.76
50-807						
	201811	N-008071-00183449	M/S STORES EXPENSE			\$332.62
	201812	N-008071-00183449	M/S STORES EXPENSE			\$29.34
50-807 Total						\$361.96
51-850						
	201811	N-008071-00183449	EXMPT STOCK EXPENSE			\$83.15
	201812	N-008071-00183449	EXMPT STOCK EXPENSE			\$7.33
51-850 Total						\$90.48
55-857						
	201811	N-008071-00183449	EXEMPT STK STORES EXPENSE			\$16.63
	201812	N-008071-00183449	EXEMPT STK STORES EXPENSE			\$1.47
55-857 Total						\$18.10
70-811						
	201811	N-008071-00183449	CONST E&O OVERHEADS			\$523.86
	201812	N-008071-00183449	CONST E&O OVERHEADS			\$420.37
70-811 Total						\$944.23
70-813						
	201811	N-008071-00183449	CONST OHDS CAP			\$112.63
	201812	N-008071-00183449	CONST OHDS CAP			\$550.88
70-813 Total						\$663.51
90-822						
	201811	N-008071-00183449	INTEREST CAPITALIZED			\$3.01
	201812	N-008071-00183449	INTEREST CAPITALIZED			\$7.16
90-822 Total						\$10.17
K7-804						
	201811	N-008071-00183449	ISSUE REVERSAL			(\$732.29)
	201812	N-008071-00183449	ISSUE REVERSAL			(\$257.34)
K7-804 Total						(\$989.63)
						\$10,291.92

Northern NH Construction Authorization			AUTH: 008080 Date: 11/16/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB18 Budget Year: 2018 Description: 0 Borthwick Ave Portsmouth Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 11/16/2018 8:44:17 AM Initiated By: Johnson, Philip Finalized Date: 11/29/2018 4:59:17 PM Finalized By: Hilton, Mary Jane	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/20/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$176,313.00
11/20/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$38,125.00
11/26/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$138,188.00
11/20/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
11/20/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
11/21/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
11/26/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$176,313.00
11/27/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
11/29/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision 1 Revision This revision is for the costs associated with ledge encountered on Borthwick Ave Portsmouth. There were approximately 1000 cu/ft. of ledge removal required. The additional cost associated with this installation is \$32,018. The additional costs were reviewed by sales and no additional CIAC is required. This Authorization will cover the cost associated with the installation of 2,000' of 4" HDPE -IP gas main to serve a medical facility on Borthwick Ave. This will include the installation of (1) new 1 1/4" services, and (1) commercial meter. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
Revision 1 Revision This revision is for the costs associated with ledge encountered on Borthwick Ave Portsmouth. There were approximately 1000 cu/ft. of ledge removal required. The additional cost associated with this installation is \$32,018. The additional costs were reviewed by sales and no additional CIAC is required. This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$38,125 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 55910. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,359,729 Total Net This Authorization: \$144,296 Remaining Budget: \$491,679				
NOTES				

AUTHORIZATION COMMENTS		
CWO Summary		
CWO	Description	Amount
00183456	0 Borthwick Ave Portsmouth	\$176,313.00
	Total	\$176,313.00

8/30/2018

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Northern NH Construction Authorization			AUTH: 008080 Date: 8/16/2018 Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB18 Budget Year: 2018 Description: 0 Borthwick Ave Portsmouth Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 8/16/2018 8:57:02 AM Initiated By: Johnson, Philip Finalized Date: 8/30/2018 8:03:13 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/22/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$144,296.00
8/23/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$38,125.00
8/23/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$106,171.00
8/27/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
8/29/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
8/29/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$144,296.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 2,000' of 4" HDPE -IP gas main to serve a medical facility on Borthwick Ave. This will include the installation of (1)new 11/4" services, and (1) commercial meter. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is a customer contribution of \$38,125 required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 55910. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$1,359,729 Total Net This Authorization: \$144,296 Remaining Budget: \$491,679				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183456			0 Borthwick Ave Portsmouth	\$144,296.00
			Total	\$144,296.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201809	N-008080-00183456	M&S ISSUE			\$7,545.88
	201811	N-008080-00183456	M&S ISSUE			\$37.92
	201812	N-008080-00183456	M&S ISSUE			\$1,690.40
	201901	N-008080-00183456	M&S ISSUE			\$105.20
27-804 Total						\$9,379.40
40-805						
	201809	N-008080-00183456	VOUCHERS	BANK AMER VISA	JOHNSON PHIL AUGUST 2018	\$2,189.75
	201809	N-008080-00183456	VOUCHERS	MULCARE ENGINEE	MPSI-93696	\$479.54
	201809	N-008080-00183456	VOUCHERS	MULCARE ENGINEE	MPSI-93893	\$1,550.31
	201809	N-008080-00183456	VOUCHERS	NEUCO	U3508008-19	\$13,817.12
	201809	N-008080-00183456	VOUCHERS	NEUCO	U3509001-19	\$28,605.95
	201809	N-008080-00183456	VOUCHERS	NEUCO	U3509002-19	\$9,635.78
	201810	N-008080-00183456	VOUCHERS	COLLINS PIPE	3055716	\$15,200.49
	201810	N-008080-00183456	VOUCHERS	NEUCO	U3509003-19	\$18,802.79
	201811	N-008080-00183456	VOUCHERS	COLLINS PIPE	3055716	(\$14,516.14)
	201811	N-008080-00183456	VOUCHERS	NEUCO	U9510006-19	\$9,471.89
	201812	N-008080-00183456	VOUCHERS	NEUCO	U321104-019	\$3,386.08
	201812	N-008080-00183456	VOUCHERS	NEUCO	U951102-019	\$4,295.32
	201812	N-008080-00183456	VOUCHERS	NEUCO	U971103-019	\$7,193.36
	201812	N-008080-00183456	VOUCHERS	NEUCO	U971107-019	\$7,614.56
40-805 Total						\$107,726.80
50-807						
	201809	N-008080-00183456	M/S STORES EXPENSE			\$4,866.18
	201811	N-008080-00183456	M/S STORES EXPENSE			\$4.28
	201812	N-008080-00183456	M/S STORES EXPENSE			\$317.04
	201901	N-008080-00183456	M/S STORES EXPENSE			\$34.14
50-807 Total						\$5,221.64
51-850						
	201809	N-008080-00183456	EXMPT STOCK EXPENSE			\$1,871.62
	201811	N-008080-00183456	EXMPT STOCK EXPENSE			\$1.07
	201812	N-008080-00183456	EXMPT STOCK EXPENSE			\$79.26
	201901	N-008080-00183456	EXMPT STOCK EXPENSE			\$12.80
51-850 Total						\$1,964.75
55-857						
	201809	N-008080-00183456	EXEMPT STK STORES EXPENSE			\$1,216.55
	201811	N-008080-00183456	EXEMPT STK STORES EXPENSE			\$0.21
	201812	N-008080-00183456	EXEMPT STK STORES EXPENSE			\$15.85
	201901	N-008080-00183456	EXEMPT STK STORES EXPENSE			\$6.14
55-857 Total						\$1,238.75
70-811						
	201809	N-008080-00183456	CONST E&O OVERHEADS			\$30,839.28
	201810	N-008080-00183456	CONST E&O OVERHEADS			\$10,200.98
	201811	N-008080-00183456	CONST E&O OVERHEADS			(\$1,980.13)
	201812	N-008080-00183456	CONST E&O OVERHEADS			\$1,564.70

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-811						
	201901	N-008080-00183456	CONST E&O OVERHEADS			\$39.23
70-811 Total						\$40,664.06
70-813						
	201809	N-008080-00183456	CONST OHDS CAP			\$6,153.52
	201810	N-008080-00183456	CONST OHDS CAP			\$1,900.78
	201811	N-008080-00183456	CONST OHDS CAP			(\$300.89)
	201812	N-008080-00183456	CONST OHDS CAP			\$2,050.50
	201901	N-008080-00183456	CONST OHDS CAP			\$7.62
70-813 Total						\$9,811.53
90-822						
	201809	N-008080-00183456	INTEREST CAPITALIZED			\$77.65
	201810	N-008080-00183456	INTEREST CAPITALIZED			\$206.01
	201811	N-008080-00183456	INTEREST CAPITALIZED			\$248.69
	201812	N-008080-00183456	INTEREST CAPITALIZED			\$135.79
90-822 Total						\$668.14
90-848						
	201809	N-008080-00183456	SUNDRY REVENUE			(\$38,125.00)
90-848 Total						(\$38,125.00)
K7-804						
	201809	N-008080-00183456	ISSUE REVERSAL			(\$59.41)
	201811	N-008080-00183456	ISSUE REVERSAL			(\$16.54)
	201812	N-008080-00183456	ISSUE REVERSAL			(\$105.20)
	201901	N-008080-00183456	ISSUE REVERSAL			(\$34.08)
K7-804 Total						(\$215.23)
						\$138,334.84

10/3/2018

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Northern NH			AUTH: 008083	
Construction Authorization			Date: 9/18/2018	
			Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB19 Budget Year: 2018 Description: 118,122,159,163, 165,167 Mt Vernon St Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 9/18/2018 9:56:16 AM Initiated By: Johnson, Philip Finalized Date: 10/3/2018 11:49:26 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/20/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$122,759.00
9/20/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
9/20/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$122,759.00
9/20/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
9/20/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
9/20/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
9/20/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$122,759.00
9/21/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
10/1/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 575' of 2" HDPE -IP gas main to serve 6 residential homes. This will include the installation of (6) new 1/2" services, and (6) residential meters. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 45002. Total 2018 Budget: \$1,995,704 Total Authorization to date: \$3,272,361 Total Net This Authorization: \$122,759 Remaining Budget: \$ -1,399,416				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00183462		118,122,159,163, 165,167 Mt Vernon St Dover NH	\$122,759.00	
		Total	\$122,759.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201810	N-008083-00183462	M&S ISSUE			\$2,163.54
	201811	N-008083-00183462	M&S ISSUE			\$377.94
	201812	N-008083-00183462	M&S ISSUE			\$5.12
27-804 Total						\$2,546.60
40-805						
	201810	N-008083-00183462	VOUCHERS	NEUCO	U9710002-19	\$24,402.11
	201811	N-008083-00183462	VOUCHERS	NEUCO	U9710005-19	\$35,080.71
40-805 Total						\$59,482.82
50-807						
	201810	N-008083-00183462	M/S STORES EXPENSE			\$397.23
	201811	N-008083-00183462	M/S STORES EXPENSE			(\$36.52)
	201812	N-008083-00183462	M/S STORES EXPENSE			(\$0.94)
50-807 Total						\$359.77
51-850						
	201810	N-008083-00183462	EXMPT STOCK EXPENSE			\$99.31
	201811	N-008083-00183462	EXMPT STOCK EXPENSE			(\$9.13)
	201812	N-008083-00183462	EXMPT STOCK EXPENSE			(\$0.23)
51-850 Total						\$89.95
55-857						
	201810	N-008083-00183462	EXEMPT STK STORES EXPENSE			\$19.86
	201811	N-008083-00183462	EXEMPT STK STORES EXPENSE			(\$1.83)
	201812	N-008083-00183462	EXEMPT STK STORES EXPENSE			(\$0.05)
55-857 Total						\$17.98
70-811						
	201810	N-008083-00183462	CONST E&O OVERHEADS			\$8,071.38
	201811	N-008083-00183462	CONST E&O OVERHEADS			\$8,712.67
	201812	N-008083-00183462	CONST E&O OVERHEADS			(\$0.38)
70-811 Total						\$16,783.67
70-813						
	201810	N-008083-00183462	CONST OHDS CAP			\$1,503.97
	201811	N-008083-00183462	CONST OHDS CAP			\$1,873.22
	201812	N-008083-00183462	CONST OHDS CAP			(\$0.49)
70-813 Total						\$3,376.70
90-822						
	201810	N-008083-00183462	INTEREST CAPITALIZED			\$40.13
	201811	N-008083-00183462	INTEREST CAPITALIZED			\$65.12
90-822 Total						\$105.25
K7-804						
	201810	N-008083-00183462	ISSUE REVERSAL			(\$177.44)
	201811	N-008083-00183462	ISSUE REVERSAL			(\$560.48)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201812	N-008083-00183462	ISSUE REVERSAL			(\$9.80)
K7-804 Total						(\$747.72)
						<u><u>\$82,015.02</u></u>

11/13/2018

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Northern NH			AUTH: 008090	
Construction Authorization			Date: 10/24/2018	
			Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB24 Budget Year: 2018 Description: 31A,31B & 35 Wortley Ave Seabrook Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 10/24/2018 1:55:10 PM Initiated By: Johnson, Philip Finalized Date: 11/13/2018 8:41:33 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/31/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$30,206.00
10/31/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
11/1/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$30,206.00
11/1/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
11/6/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
11/8/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
11/8/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$30,206.00
11/9/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
11/9/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 100' of 2" HDPE -IP gas main and (3) 11/4" residential services to serve (3) meters.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 59866.				
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$3,706,193 Total net this authorization: \$30,206 Remaining Budget: \$ -1,740,695				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00183471		31A,31B & 35 Wortley Ave Seabrook	\$30,206.00	
		Total	\$30,206.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201811	N-008090-00183471	M&S ISSUE			\$1,697.43
	201812	N-008090-00183471	M&S ISSUE			\$34.08
27-804 Total						\$1,731.51
40-805						
	201811	N-008090-00183471	VOUCHERS	NEUCO	U4810010-19	\$11,411.17
	201812	N-008090-00183471	VOUCHERS	NEUCO	U481102-019	\$4,434.86
40-805 Total						\$15,846.03
50-807						
	201811	N-008090-00183471	M/S STORES EXPENSE			\$286.27
	201812	N-008090-00183471	M/S STORES EXPENSE			(\$47.99)
50-807 Total						\$238.28
51-850						
	201811	N-008090-00183471	EXMPT STOCK EXPENSE			\$71.57
	201812	N-008090-00183471	EXMPT STOCK EXPENSE			(\$12.00)
51-850 Total						\$59.57
55-857						
	201811	N-008090-00183471	EXEMPT STK STORES EXPENSE			\$14.31
	201812	N-008090-00183471	EXEMPT STK STORES EXPENSE			(\$2.40)
55-857 Total						\$11.91
70-811						
	201811	N-008090-00183471	CONST E&O OVERHEADS			\$3,303.68
	201812	N-008090-00183471	CONST E&O OVERHEADS			\$264.07
70-811 Total						\$3,567.75
70-813						
	201811	N-008090-00183471	CONST OHDS CAP			\$710.29
	201812	N-008090-00183471	CONST OHDS CAP			\$346.06
70-813 Total						\$1,056.35
90-822						
	201811	N-008090-00183471	INTEREST CAPITALIZED			\$18.95
	201812	N-008090-00183471	INTEREST CAPITALIZED			\$21.56
90-822 Total						\$40.51
K7-804						
	201811	N-008090-00183471	ISSUE REVERSAL			(\$266.02)
	201812	N-008090-00183471	ISSUE REVERSAL			(\$274.03)
K7-804 Total						(\$540.05)
						\$22,011.86

11/21/2018

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Northern NH			AUTH: 008095	
Construction Authorization			Date: 11/1/2018	
			Budgeted Amount: \$1,995,704.00	
Budget Item No: JAB27 Budget Year: 2018 Description: 106-114 Mt Vernon ST Dover Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 11/1/2018 9:30:42 AM Initiated By: Johnson, Philip Finalized Date: 11/21/2018 2:15:13 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/14/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$57,137.00
11/14/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
11/14/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$57,137.00
11/14/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
11/20/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
11/14/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
11/20/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$57,137.00
11/21/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
11/21/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 275' of 2" HDPE gas main to serve (5) 1/2" services which will include (5) residential meters.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 50560.				
Total 2018 Budget: \$1,995,704 Total Authorization to date: \$3,881,860 Total net this authorization: \$57,137 Remaining Budget: \$ -1,943,293				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00183477		106-114 Mt Vernon ST Dover	\$57,137.00	
		Total	\$57,137.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201812	N-008095-00183477	M&S ISSUE			\$1,775.30
	201901	N-008095-00183477	M&S ISSUE			\$452.68
27-804 Total						\$2,227.98
40-805						
	201811	N-008095-00183477	VOUCHERS	NEUCO	U9710010-19	\$284.00
	201812	N-008095-00183477	VOUCHERS	NEUCO	U971101-019	\$28,946.75
	201812	N-008095-00183477	VOUCHERS	NEUCO	U971102-019	\$5,227.27
	201812	N-008095-00183477	VOUCHERS	NEUCO	U971104-019	\$15,767.28
40-805 Total						\$50,225.30
50-807						
	201812	N-008095-00183477	M/S STORES EXPENSE			\$174.95
	201901	N-008095-00183477	M/S STORES EXPENSE			\$217.29
50-807 Total						\$392.24
51-850						
	201812	N-008095-00183477	EXMPT STOCK EXPENSE			\$43.75
	201901	N-008095-00183477	EXMPT STOCK EXPENSE			\$81.48
51-850 Total						\$125.23
55-857						
	201812	N-008095-00183477	EXEMPT STK STORES EXPENSE			\$8.75
	201901	N-008095-00183477	EXEMPT STK STORES EXPENSE			\$39.11
55-857 Total						\$47.86
70-811						
	201811	N-008095-00183477	CONST E&O OVERHEADS			\$71.00
	201812	N-008095-00183477	CONST E&O OVERHEADS			\$3,261.69
	201901	N-008095-00183477	CONST E&O OVERHEADS			\$249.74
70-811 Total						\$3,582.43
70-813						
	201811	N-008095-00183477	CONST OHDS CAP			\$15.26
	201812	N-008095-00183477	CONST OHDS CAP			\$4,274.37
	201901	N-008095-00183477	CONST OHDS CAP			\$48.48
70-813 Total						\$4,338.11
90-822						
	201811	N-008095-00183477	INTEREST CAPITALIZED			\$0.41
	201812	N-008095-00183477	INTEREST CAPITALIZED			\$32.63
90-822 Total						\$33.04
K7-804						
	201812	N-008095-00183477	ISSUE REVERSAL			(\$900.40)
K7-804 Total						(\$900.40)
						\$60,071.79

3/5/2019

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Northern NH			AUTH: 008081	
Construction Authorization			Date: 1/11/2019	
			Budgeted Amount: \$0.00	
Budget Item No: JPN04 Budget Year: 2018 Description: 101 International Dr Portsmouth Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 1/11/2019 8:17:36 AM Initiated By: Johnson, Philip Finalized Date: 3/5/2019 2:34:47 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
1/30/2019	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$149,594.00
2/6/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/8/2019	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$149,594.00
1/30/2019	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
2/25/2019	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
2/7/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
2/7/2019	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$149,594.00
2/25/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
2/25/2019	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision: This revision is for the costs associated with the installation of 1350' of 8" HDPE gas main. It was originally estimated to be installed all off pavement, but due to unknown underground facilities on both sides of the roadway, the main had to be installed entirely in pavement. Added costs expected to be \$45,570. This authorization is for the replacement of 1,350' of 4" HDPE main in Goose Bay Dr with 1,350' of 8" HDPE main. There is (1) service associated with this replacement. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
Lonza Biologics is expanding their operation and the existing gas main on Goose Bay Drive is not sufficient to serve the increased demand. Engineering is requiring a system upgrade of 1,375 feet of 8-inch main, replacing the existing 4-inch main on Goose Bay drive. The customer's service does not need to be replaced.				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183458			101 International Dr Portsmouth	\$149,594.00
			Total	\$149,594.00

10/3/2018

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Northern NH			AUTH: 008081	
Construction Authorization			Date: 9/5/2018	
			Budgeted Amount: \$0.00	
Budget Item No: JPN04 Budget Year: 2018 Description: 101 International Dr Portsmouth Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 9/5/2018 11:13:11 AM Initiated By: Johnson, Philip Finalized Date: 10/3/2018 11:49:11 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/20/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$104,023.00
9/20/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
9/20/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$104,023.00
9/20/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
9/20/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
9/20/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
9/20/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$104,023.00
9/21/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
10/1/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the replacement of 1,350' of 4" HDPE main in Goose Bay Dr with 1,350' of 8" HDPE main. There is (1) service associated with this replacement. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
Lonza Biologics is expanding their operation and the existing gas main on Goose Bay Drive is not sufficient to serve the increased demand. Engineering is requiring a system upgrade of 1,375 feet of 8-inch main, replacing the existing 4-inch main on Goose Bay drive. The customer's service does not need to be replaced.				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183458			101 International Dr Portsmouth	\$104,023.00
			Total	\$104,023.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201811	N-008081-00183458	PAYROLL-ST			\$217.74
10-800 Total						\$217.74
27-804						
	201810	N-008081-00183458	M&S ISSUE			\$22,383.13
	201811	N-008081-00183458	M&S ISSUE			\$729.37
	201812	N-008081-00183458	M&S ISSUE			\$219.03
27-804 Total						\$23,331.53
30-820						
	201811	N-008081-00183458	TRANSPORTATION JE			\$195.00
30-820 Total						\$195.00
40-805						
	201810	N-008081-00183458	VOUCHERS	BANK AMER VISA	JOHNSON PHIL SEPTEMBER 2018	\$2,910.75
	201811	N-008081-00183458	VOUCHERS	NEUCO	U950007-19	\$7,552.91
	201811	N-008081-00183458	VOUCHERS	NEUCO	U9510004-19	\$31,858.86
	201811	N-008081-00183458	VOUCHERS	NEUCO	U9510005-19	\$30,717.83
	201812	N-008081-00183458	VOUCHERS	NEUCO	U321108-019	\$9,633.11
	201812	N-008081-00183458	VOUCHERS	NEUCO	U951101-019	\$18,736.32
	201812	N-008081-00183458	VOUCHERS	NEUCO	U951106-019	\$4,462.14
40-805 Total						\$105,871.92
50-807						
	201810	N-008081-00183458	M/S STORES EXPENSE			\$4,476.63
	201811	N-008081-00183458	M/S STORES EXPENSE			\$145.88
	201812	N-008081-00183458	M/S STORES EXPENSE			(\$506.32)
50-807 Total						\$4,116.19
51-850						
	201810	N-008081-00183458	EXMPT STOCK EXPENSE			\$1,119.16
	201811	N-008081-00183458	EXMPT STOCK EXPENSE			\$36.47
	201812	N-008081-00183458	EXMPT STOCK EXPENSE			(\$126.58)
51-850 Total						\$1,029.05
55-857						
	201810	N-008081-00183458	EXEMPT STK STORES EXPENSE			\$223.83
	201811	N-008081-00183458	EXEMPT STK STORES EXPENSE			\$7.29
	201812	N-008081-00183458	EXEMPT STK STORES EXPENSE			(\$25.32)
55-857 Total						\$205.80
60-809						
	201811	N-008081-00183458	WORKERS COMP INS			\$4.35
60-809 Total						\$4.35
60-815						
	201811	N-008081-00183458	MEDICAL COSTS CAP.			\$43.55
60-815 Total						\$43.55

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-816						
	201811	N-008081-00183458	401K COSTS CAP.			\$6.53
60-816 Total						\$6.53
60-817						
	201811	N-008081-00183458	PBOP COSTS CAP.			\$13.06
60-817 Total						\$13.06
70-811						
	201810	N-008081-00183458	CONST E&O OVERHEADS			\$9,334.06
	201811	N-008081-00183458	CONST E&O OVERHEADS			\$17,887.11
	201812	N-008081-00183458	CONST E&O OVERHEADS			\$1,894.11
70-811 Total						\$29,115.28
70-813						
	201810	N-008081-00183458	CONST OHDS CAP			\$1,739.24
	201811	N-008081-00183458	CONST OHDS CAP			\$3,845.73
	201812	N-008081-00183458	CONST OHDS CAP			\$2,482.18
70-813 Total						\$8,067.15
80-814						
	201811	N-008081-00183458	SMALL TOOLS			\$4.35
80-814 Total						\$4.35
90-822						
	201810	N-008081-00183458	INTEREST CAPITALIZED			\$46.41
	201811	N-008081-00183458	INTEREST CAPITALIZED			\$195.42
	201812	N-008081-00183458	INTEREST CAPITALIZED			\$167.72
90-822 Total						\$409.55
90-866						
	201811	N-008081-00183458	PAYROLL TAXES CAP.			\$4.35
90-866 Total						\$4.35
90-867						
	201811	N-008081-00183458	PENSION COST CAP.			\$10.89
90-867 Total						\$10.89
K7-804						
	201812	N-008081-00183458	ISSUE REVERSAL			(\$2,750.65)
K7-804 Total						(\$2,750.65)
						\$169,895.64

3/7/2016

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Northern NH			AUTH: 006031	
Construction Authorization			Date: 3/1/2016	
			Budgeted Amount: \$1,994,724.00	
Budget Item No: JAB04 Budget Year: 2016 Description: Bramber Valley 128 Post Rd Greenland Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 3/1/2016 12:01:41 PM Initiated By: Johnson, Philip Finalized Date: 3/7/2016 2:22:55 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/3/2016	YES	Laffond, Courtney <i>Associate Plant Accountant</i>	Total Project Cost:	\$535,414.00
3/3/2016	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
3/3/2016	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$535,414.00
3/3/2016	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
3/4/2016	YES	Leblanc, Christopher <i>Director, Gas Operations</i>	Cost Of Removal:	\$0.00
3/7/2016	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
3/7/2016	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$535,414.00
3/7/2016	YES	Brock, Laurence <i>Controller & CAO</i>		
3/7/2016	YES	Meissner, Thomas <i>SVP And COO</i>		
3/7/2016	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of a 4,200' - 4" main extension and 3,000' of a 2" main supplied by the existing 4" IP main in Post Rd, This project will include (73) residential services. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 46797.				
Total 2016 Budget: \$1,994,724 Total Authorization to date: \$1,207,575 Total Net This Authorization: \$535,414 Remaining Budget: \$251,735				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00163445			Bramber Valley 128 Post Rd Greenland	\$535,414.00
			Total	\$535,414.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201605	N-006031-00163445	PAYROLL-ST			\$199.77
	201806	N-006031-00163445	PAYROLL-ST			\$0.00
10-800 Total						\$199.77
27-804						
	201604	N-006031-00163445	M&S ISSUE			\$9,346.80
	201605	N-006031-00163445	M&S ISSUE			\$3,326.96
	201608	N-006031-00163445	M&S ISSUE			\$616.97
	201610	N-006031-00163445	M&S ISSUE			\$4,800.02
	201611	N-006031-00163445	M&S ISSUE			\$3,837.06
	201612	N-006031-00163445	M&S ISSUE			\$1,920.48
	201701	N-006031-00163445	M&S ISSUE			\$2,482.23
	201703	N-006031-00163445	M&S ISSUE			\$239.06
	201704	N-006031-00163445	M&S ISSUE			\$2,120.09
	201707	N-006031-00163445	M&S ISSUE			\$2,818.85
	201709	N-006031-00163445	M&S ISSUE			\$1,164.13
	201711	N-006031-00163445	M&S ISSUE			\$7,210.50
	201801	N-006031-00163445	M&S ISSUE			\$1,855.05
	201802	N-006031-00163445	M&S ISSUE			\$944.29
	201803	N-006031-00163445	M&S ISSUE			\$5,226.55
	201804	N-006031-00163445	M&S ISSUE			\$252.27
	201806	N-006031-00163445	M&S ISSUE			\$0.00
27-804 Total						\$48,161.31
30-820						
	201605	N-006031-00163445	TRANSPORTATION JE			\$195.00
	201806	N-006031-00163445	TRANSPORTATION JE			\$0.00
30-820 Total						\$195.00
40-805						
	201604	N-006031-00163445	VOUCHERS	GREENLAND POL	16-40-DV	\$315.00
	201605	N-006031-00163445	VOUCHERS	NEUCO	U6124001-17	\$6,038.49
	201605	N-006031-00163445	VOUCHERS	NEUCO	U6124002-17	\$22,449.57
	201605	N-006031-00163445	VOUCHERS	NEUCO	U6124003-17	\$7,080.12
	201605	N-006031-00163445	VOUCHERS	NEUCO	U6124004-17	\$8,351.75
	201605	N-006031-00163445	VOUCHERS	NEUCO	U6124005-17	\$7,710.58
	201605	N-006031-00163445	VOUCHERS	NEUCO	U6124006-17	\$20,625.48
	201609	N-006031-00163445	VOUCHERS	NEUCO	U9222001-17	\$22,093.69
	201609	N-006031-00163445	VOUCHERS	NEUCO	UA308004-17	\$12,052.95
	201610	N-006031-00163445	VOUCHERS	NEUCO	U3210004-17	\$4,275.68
	201610	N-006031-00163445	VOUCHERS	NEUCO	U3510001-17	\$3,006.72
	201610	N-006031-00163445	VOUCHERS	NEUCO	U6910002-17	\$2,787.92
	201610	N-006031-00163445	VOUCHERS	NEUCO	U9710001-17	\$3,701.20
	201611	N-006031-00163445	VOUCHERS	NEUCO	U3210013-17	\$3,701.20
	201611	N-006031-00163445	VOUCHERS	NEUCO	U3211002-18	\$3,701.20
	201611	N-006031-00163445	VOUCHERS	NEUCO	U6110001-17	\$3,701.20
	201611	N-006031-00163445	VOUCHERS	NEUCO	U6910006-17	\$2,787.92
	201611	N-006031-00163445	VOUCHERS	NEUCO	U9710010-17	\$3,701.20

NU Cost Record						
Unitil						
Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201612	N-006031-00163445	VOUCHERS	NEUCO	U3212003-18	\$5,575.84
	201612	N-006031-00163445	VOUCHERS	NEUCO	U9711003-18	\$7,638.08
	201701	N-006031-00163445	VOUCHERS	NEUCO	U9201002-18	\$6,148.94
	201703	N-006031-00163445	VOUCHERS	NEUCO	U3203001-18	\$2,387.52
	201703	N-006031-00163445	VOUCHERS	NEUCO	U3203002-18	\$2,387.52
	201703	N-006031-00163445	VOUCHERS	NEUCO	U9203005-18	\$3,113.60
	201704	N-006031-00163445	VOUCHERS	NEUCO	U3204003-18	\$5,771.04
	201704	N-006031-00163445	VOUCHERS	NEUCO	U6904001-18	\$3,843.22
	201708	N-006031-00163445	VOUCHERS	NEUCO	U1807001-18	\$3,830.80
	201708	N-006031-00163445	VOUCHERS	NEUCO	U9207001-18	\$3,830.80
	201708	N-006031-00163445	VOUCHERS	NEUCO	UA307007-18	\$1,442.76
	201710	N-006031-00163445	VOUCHERS	NEUCO	U1809005-18	\$5,019.92
	201711	N-006031-00163445	VOUCHERS	NEUCO	U1810005-18	\$3,830.80
	201711	N-006031-00163445	VOUCHERS	NEUCO	U3210007-18	\$3,830.80
	201712	N-006031-00163445	VOUCHERS	NEUCO	U3211008-19	\$3,830.80
	201712	N-006031-00163445	VOUCHERS	NEUCO	U4811004-19	\$2,885.52
	201712	N-006031-00163445	VOUCHERS	NEUCO	U4811008-19	\$3,830.80
	201712	N-006031-00163445	VOUCHERS	NEUCO	UA312002-19	\$3,295.44
	201803	N-006031-00163445	VOUCHERS	NEUCO	U1802001-19	\$2,885.52
	201806	N-006031-00163445	VOUCHERS	GREENLAND POL	16-40-DV	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U1802001-19	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U1807001-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U1809005-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U1810005-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3203001-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3203002-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3204003-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3210004-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3210007-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3210013-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3211002-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3211008-19	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3212003-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U3510001-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U4811004-19	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U4811008-19	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6110001-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6124001-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6124002-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6124003-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6124004-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6124005-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6124006-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6904001-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6910002-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U6910006-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U9201002-18	\$0.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201806	N-006031-00163445	VOUCHERS	NEUCO	U9203005-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U9207001-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U9222001-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U9710001-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U9710010-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	U9711003-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	UA307007-18	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	UA308004-17	\$0.00
	201806	N-006031-00163445	VOUCHERS	NEUCO	UA312002-19	\$0.00
40-805 Total						\$213,461.59
50-807						
	201604	N-006031-00163445	M/S STORES EXPENSE			\$5,608.09
	201605	N-006031-00163445	M/S STORES EXPENSE			\$1,996.18
	201608	N-006031-00163445	M/S STORES EXPENSE			\$284.83
	201610	N-006031-00163445	M/S STORES EXPENSE			\$462.80
	201611	N-006031-00163445	M/S STORES EXPENSE			\$191.86
	201612	N-006031-00163445	M/S STORES EXPENSE			\$96.02
	201701	N-006031-00163445	M/S STORES EXPENSE			\$968.06
	201703	N-006031-00163445	M/S STORES EXPENSE			\$93.23
	201704	N-006031-00163445	M/S STORES EXPENSE			\$826.84
	201707	N-006031-00163445	M/S STORES EXPENSE			\$1,691.28
	201709	N-006031-00163445	M/S STORES EXPENSE			\$291.05
	201711	N-006031-00163445	M/S STORES EXPENSE			\$1,802.87
	201801	N-006031-00163445	M/S STORES EXPENSE			\$742.03
	201802	N-006031-00163445	M/S STORES EXPENSE			\$377.72
	201803	N-006031-00163445	M/S STORES EXPENSE			(\$480.37)
	201806	N-006031-00163445	M/S STORES EXPENSE			\$0.00
50-807 Total						\$14,952.49
51-850						
	201604	N-006031-00163445	EXMPT STOCK EXPENSE			\$2,430.17
	201605	N-006031-00163445	EXMPT STOCK EXPENSE			\$865.01
	201608	N-006031-00163445	EXMPT STOCK EXPENSE			\$85.45
	201610	N-006031-00163445	EXMPT STOCK EXPENSE			\$416.51
	201611	N-006031-00163445	EXMPT STOCK EXPENSE			\$345.34
	201612	N-006031-00163445	EXMPT STOCK EXPENSE			\$172.84
	201701	N-006031-00163445	EXMPT STOCK EXPENSE			\$471.62
	201703	N-006031-00163445	EXMPT STOCK EXPENSE			\$45.42
	201704	N-006031-00163445	EXMPT STOCK EXPENSE			\$402.82
	201707	N-006031-00163445	EXMPT STOCK EXPENSE			\$422.83
	201709	N-006031-00163445	EXMPT STOCK EXPENSE			\$58.21
	201711	N-006031-00163445	EXMPT STOCK EXPENSE			\$72.10
	201801	N-006031-00163445	EXMPT STOCK EXPENSE			\$241.16
	201802	N-006031-00163445	EXMPT STOCK EXPENSE			\$122.76
	201803	N-006031-00163445	EXMPT STOCK EXPENSE			(\$156.12)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
51-850						
	201806	N-006031-00163445	EXMPT STOCK EXPENSE			\$0.00
51-850 Total						\$5,996.12
55-857						
	201604	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$1,458.10
	201605	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$519.01
	201608	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$42.73
	201610	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$41.65
	201611	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$17.27
	201612	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$8.64
	201701	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$183.93
	201703	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$17.71
	201704	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$157.10
	201707	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$253.70
	201709	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$14.55
	201711	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$18.03
	201801	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$96.46
	201802	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$49.10
	201803	N-006031-00163445	EXEMPT STK STORES EXPENSE			(\$62.45)
	201806	N-006031-00163445	EXEMPT STK STORES EXPENSE			\$0.00
55-857 Total						\$2,815.53
60-809						
	201605	N-006031-00163445	WORKERS COMP INS			\$4.00
	201806	N-006031-00163445	WORKERS COMP INS			\$0.00
60-809 Total						\$4.00
60-815						
	201605	N-006031-00163445	MEDICAL COSTS CAP.			\$46.97
	201806	N-006031-00163445	MEDICAL COSTS CAP.			\$0.00
60-815 Total						\$46.97
60-816						
	201605	N-006031-00163445	401K COSTS CAP.			\$9.39
	201806	N-006031-00163445	401K COSTS CAP.			\$0.00
60-816 Total						\$9.39
60-817						
	201605	N-006031-00163445	PBOP COSTS CAP.			\$51.94
	201806	N-006031-00163445	PBOP COSTS CAP.			\$0.00
60-817 Total						\$51.94
70-811						
	201604	N-006031-00163445	CONST E&O OVERHEADS			\$8,485.15
	201605	N-006031-00163445	CONST E&O OVERHEADS			\$35,235.92
	201608	N-006031-00163445	CONST E&O OVERHEADS			\$435.22
	201609	N-006031-00163445	CONST E&O OVERHEADS			\$15,123.55
	201610	N-006031-00163445	CONST E&O OVERHEADS			\$6,955.35
	201611	N-006031-00163445	CONST E&O OVERHEADS			\$1,758.74
	201612	N-006031-00163445	CONST E&O OVERHEADS			\$21.73

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-811						
	201701	N-006031-00163445	CONST E&O OVERHEADS			\$4,856.67
	201703	N-006031-00163445	CONST E&O OVERHEADS			\$3,923.33
	201704	N-006031-00163445	CONST E&O OVERHEADS			\$6,214.15
	201707	N-006031-00163445	CONST E&O OVERHEADS			\$2,456.40
	201708	N-006031-00163445	CONST E&O OVERHEADS			\$4,311.82
	201709	N-006031-00163445	CONST E&O OVERHEADS			\$641.73
	201710	N-006031-00163445	CONST E&O OVERHEADS			\$2,108.37
	201711	N-006031-00163445	CONST E&O OVERHEADS			\$5,867.79
	201712	N-006031-00163445	CONST E&O OVERHEADS			\$403.93
	201801	N-006031-00163445	CONST E&O OVERHEADS			\$1,238.44
	201802	N-006031-00163445	CONST E&O OVERHEADS			\$630.41
	201803	N-006031-00163445	CONST E&O OVERHEADS			\$415.95
	201806	N-006031-00163445	CONST E&O OVERHEADS			\$0.00
70-811 Total						\$101,084.65
70-813						
	201604	N-006031-00163445	CONST OHDS CAP			\$1,445.74
	201605	N-006031-00163445	CONST OHDS CAP			\$6,003.69
	201608	N-006031-00163445	CONST OHDS CAP			\$74.16
	201609	N-006031-00163445	CONST OHDS CAP			\$2,576.83
	201610	N-006031-00163445	CONST OHDS CAP			\$1,051.03
	201701	N-006031-00163445	CONST OHDS CAP			\$838.69
	201703	N-006031-00163445	CONST OHDS CAP			\$677.51
	201704	N-006031-00163445	CONST OHDS CAP			\$1,073.11
	201707	N-006031-00163445	CONST OHDS CAP			\$424.19
	201708	N-006031-00163445	CONST OHDS CAP			\$744.60
	201709	N-006031-00163445	CONST OHDS CAP			\$71.60
	201710	N-006031-00163445	CONST OHDS CAP			\$235.24
	201711	N-006031-00163445	CONST OHDS CAP			\$746.88
	201801	N-006031-00163445	CONST OHDS CAP			\$175.69
	201802	N-006031-00163445	CONST OHDS CAP			\$89.43
	201803	N-006031-00163445	CONST OHDS CAP			\$59.01
	201806	N-006031-00163445	CONST OHDS CAP			\$0.00
70-813 Total						\$16,287.40
80-814						
	201605	N-006031-00163445	SMALL TOOLS			\$19.98
	201806	N-006031-00163445	SMALL TOOLS			\$0.00
80-814 Total						\$19.98
90-822						
	201604	N-006031-00163445	INTEREST CAPITALIZED			\$18.91
	201605	N-006031-00163445	INTEREST CAPITALIZED			\$116.33
	201608	N-006031-00163445	INTEREST CAPITALIZED			\$195.82
	201609	N-006031-00163445	INTEREST CAPITALIZED			\$230.49
	201610	N-006031-00163445	INTEREST CAPITALIZED			\$281.95
	201611	N-006031-00163445	INTEREST CAPITALIZED			\$315.15
	201612	N-006031-00163445	INTEREST CAPITALIZED			\$340.62

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201701	N-006031-00163445	INTEREST CAPITALIZED			\$472.10
	201703	N-006031-00163445	INTEREST CAPITALIZED			\$496.61
	201704	N-006031-00163445	INTEREST CAPITALIZED			\$524.91
	201707	N-006031-00163445	INTEREST CAPITALIZED			\$549.11
	201708	N-006031-00163445	INTEREST CAPITALIZED			\$568.00
	201709	N-006031-00163445	INTEREST CAPITALIZED			\$581.94
	201710	N-006031-00163445	INTEREST CAPITALIZED			\$590.11
	201711	N-006031-00163445	INTEREST CAPITALIZED			\$616.24
	201712	N-006031-00163445	INTEREST CAPITALIZED			\$648.22
	201801	N-006031-00163445	INTEREST CAPITALIZED			(\$324.11)
90-822 Total						\$6,222.40
90-866						
	201605	N-006031-00163445	PAYROLL TAXES CAP.			\$19.86
	201806	N-006031-00163445	PAYROLL TAXES CAP.			\$0.00
90-866 Total						\$19.86
90-867						
	201605	N-006031-00163445	PENSION COST CAP.			\$47.21
	201806	N-006031-00163445	PENSION COST CAP.			\$0.00
90-867 Total						\$47.21
95-865						
	201805	N-006031-00163445	MISC PLANT ADJUSTMENT			(\$4,275.96)
	201806	N-006031-00163445	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						(\$4,275.96)
K7-804						
	201608	N-006031-00163445	ISSUE REVERSAL			(\$47.31)
	201610	N-006031-00163445	ISSUE REVERSAL			(\$172.08)
	201803	N-006031-00163445	ISSUE REVERSAL			(\$6,427.47)
	201804	N-006031-00163445	ISSUE REVERSAL			(\$252.27)
	201806	N-006031-00163445	ISSUE REVERSAL			\$0.00
K7-804 Total						(\$6,899.13)
						\$398,400.52

5/16/2016

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Northern NH			AUTH: 006038	
Construction Authorization			Date: 5/3/2016	
			Budgeted Amount: \$1,994,724.00	
Budget Item No: JAB07 Budget Year: 2016 Description: Main extensions <\$30K Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 5/3/2016 12:00:35 PM Initiated By: Johnson, Philip Finalized Date: 5/16/2016 8:48:40 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/9/2016	YES	Laffond, Courtney <i>Associate Plant Accountant</i>	Total Project Cost:	\$250,000.00
5/9/2016	YES	Northrup, Tressa <i>Utility Actng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
5/9/2016	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$250,000.00
5/9/2016	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
5/10/2016	YES	Leblanc, Christopher <i>Director, Gas Operations</i>	Cost Of Removal:	\$0.00
5/10/2016	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
5/10/2016	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$250,000.00
5/10/2016	YES	Brock, Laurence <i>Controller & CAO</i>		
5/10/2016	YES	Meissner, Thomas <i>SVP And COO</i>		
5/13/2016	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization is for the installation of gas mains and services associated with the Company's system expansion initiative. The project(s) associated with this "blanket" authorization are smaller in scale and have an estimated per project total capital expenditure that is not expected to exceed \$30,000. Each of the project(s) associated with this Authorization will have an individual CWO assigned, which will correspond to specific G-Intake package. The authorized amount was derived using a historical trend analysis from 2014-2015. The 2016 projection is for 18 projects with an estimated expenditure of \$250,000.				
JUSTIFICATION				
These growth projects will be evaluated and approved for construction by Business Services in accordance with Unitil's Policies for the Installation of New Gas Service/Main Extension and Rate of Return Criteria.				
Total 2016 Budget: \$1,994,724 Total Authorization to date: \$2,086,483 Total Net This Authorization: \$250,000 Remaining Budget: \$ - 341,759				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description		Amount
00163454		Main extensions <\$30K		\$250,000.00
00163455		6-8 Broad St Somersworth NH		\$0.00
		Total		\$250,000.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201607	N-006038-00163463	M&S ISSUE			\$973.23
	201608	N-006038-00163463	M&S ISSUE			\$670.91
	201802	N-006038-00163463	M&S ISSUE			\$794.76
27-804 Total						\$2,438.90
40-805						
	201608	N-006038-00163463	VOUCHERS	NEUCO	U9207002-17	\$3,874.90
40-805 Total						\$3,874.90
50-807						
	201607	N-006038-00163463	M/S STORES EXPENSE			\$486.63
	201802	N-006038-00163463	M/S STORES EXPENSE			\$148.90
50-807 Total						\$635.53
51-850						
	201607	N-006038-00163463	EXMPT STOCK EXPENSE			\$145.98
	201802	N-006038-00163463	EXMPT STOCK EXPENSE			\$48.39
51-850 Total						\$194.37
55-857						
	201607	N-006038-00163463	EXEMPT STK STORES EXPENSE			\$72.99
	201802	N-006038-00163463	EXEMPT STK STORES EXPENSE			\$19.36
55-857 Total						\$92.35
70-811						
	201607	N-006038-00163463	CONST E&O OVERHEADS			\$743.55
	201608	N-006038-00163463	CONST E&O OVERHEADS			\$1,716.19
	201802	N-006038-00163463	CONST E&O OVERHEADS			\$248.51
70-811 Total						\$2,708.25
70-813						
	201607	N-006038-00163463	CONST OHDS CAP			\$126.69
	201608	N-006038-00163463	CONST OHDS CAP			\$292.42
	201802	N-006038-00163463	CONST OHDS CAP			\$35.25
70-813 Total						\$454.36
90-822						
	201607	N-006038-00163463	INTEREST CAPITALIZED			\$1.66
	201608	N-006038-00163463	INTEREST CAPITALIZED			\$7.14
	201802	N-006038-00163463	INTEREST CAPITALIZED			\$9.76
90-822 Total						\$18.56
K7-804						
	201608	N-006038-00163463	ISSUE REVERSAL			(\$670.91)
	201802	N-006038-00163463	ISSUE REVERSAL			(\$422.53)
K7-804 Total						(\$1,093.44)
						\$9,323.78

6/3/2016

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Northern NH			AUTH: 006039	
Construction Authorization			Date: 5/10/2016	
			Budgeted Amount: \$1,994,724.00	
Budget Item No: JAB08 Budget Year: 2016 Description: Emerald Ln/Indian Ridge Dover Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 5/10/2016 1:33:33 PM Initiated By: Johnson, Philip Finalized Date: 6/3/2016 9:52:26 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/12/2016	YES	Laffond, Courtney <i>Associate Plant Accountant</i>	Total Project Cost:	\$660,448.00
5/12/2016	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
5/13/2016	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$660,448.00
5/16/2016	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
5/18/2016	YES	Leblanc, Christopher <i>Director, Gas Operations</i>	Cost Of Removal:	\$0.00
5/18/2016	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
5/18/2016	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$660,448.00
5/18/2016	YES	Brock, Laurence <i>Controller & CAO</i>		
5/18/2016	YES	Meissner, Thomas <i>SVP And COO</i>		
5/23/2016	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 5,800 lf of 4" HDPE gas main installed from the existing 6" HDPE-IP gas main in Littleworth Rd. This will include the installation of (49) residential services. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 49594. Total 2016 Budget: \$1,994,724 Total Authorization to date: \$2,336,483 Total Net This Authorization: \$660,448 Remaining Budget: \$ - 1,002,207				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00163458			Emerald Ln/Indian Ridge Dover	\$660,448.00
			Total	\$660,448.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201702	N-006039-00163458	PAYROLL-ST			\$385.20
	201706	N-006039-00163458	PAYROLL-ST			\$333.70
	201805	N-006039-00163458	PAYROLL-ST			\$0.00
10-800 Total						\$718.90
27-804						
	201606	N-006039-00163458	M&S ISSUE			\$16,371.46
	201607	N-006039-00163458	M&S ISSUE			\$896.00
	201610	N-006039-00163458	M&S ISSUE			\$1,278.05
	201611	N-006039-00163458	M&S ISSUE			\$1,011.97
	201612	N-006039-00163458	M&S ISSUE			\$417.50
	201701	N-006039-00163458	M&S ISSUE			\$762.85
	201704	N-006039-00163458	M&S ISSUE			\$619.82
	201706	N-006039-00163458	M&S ISSUE			\$1,613.72
	201708	N-006039-00163458	M&S ISSUE			\$2,100.10
	201710	N-006039-00163458	M&S ISSUE			\$460.52
	201712	N-006039-00163458	M&S ISSUE			\$790.91
	201802	N-006039-00163458	M&S ISSUE			\$1,178.17
27-804 Total						\$27,501.07
30-820						
	201706	N-006039-00163458	TRANSPORTATION JE			\$235.00
	201805	N-006039-00163458	TRANSPORTATION JE			\$0.00
30-820 Total						\$235.00
40-805						
	201606	N-006039-00163458	VOUCHERS	NEUCO	U6105004-17	\$2,786.00
	201606	N-006039-00163458	VOUCHERS	NEUCO	U9220001-17	\$25,627.23
	201606	N-006039-00163458	VOUCHERS	NEUCO	U9220002-17	\$23,026.69
	201606	N-006039-00163458	VOUCHERS	NEUCO	U9220003-17	\$10,694.87
	201606	N-006039-00163458	VOUCHERS	NEUCO	U9220004-17	\$29,291.71
	201606	N-006039-00163458	VOUCHERS	NEUCO	UA306001-17	\$2,787.92
	201607	N-006039-00163458	VOUCHERS	NEUCO	U9220005-17	\$39,593.11
	201607	N-006039-00163458	VOUCHERS	NEUCO	U9220006-17	\$28,505.66
	201607	N-006039-00163458	VOUCHERS	NEUCO	U9220007-17	\$25,545.78
	201608	N-006039-00163458	VOUCHERS	NEUCO	U9220008-17	\$38,090.23
	201611	N-006039-00163458	VOUCHERS	NEUCO	U9210005-17	\$3,701.20
	201611	N-006039-00163458	VOUCHERS	NEUCO	U9210010-17	\$3,701.20
	201612	N-006039-00163458	VOUCHERS	NEUCO	U3211005-18	\$7,235.58
	201612	N-006039-00163458	VOUCHERS	NEUCO	UA311005-18	\$2,439.05
	201701	N-006039-00163458	VOUCHERS	NEUCO	U3201001-18	\$6,123.19
	201701	N-006039-00163458	VOUCHERS	NEUCO	U3201003-18	\$3,249.77
	201701	N-006039-00163458	VOUCHERS	NEUCO	UA312002-18	\$3,311.32
	201703	N-006039-00163458	VOUCHERS	NEUCO	U3201010-18	\$5,677.85
	201704	N-006039-00163458	VOUCHERS	NEUCO	U3503001-18	\$4,530.37
	201706	N-006039-00163458	VOUCHERS	NEUCO	UA305009-18	\$9,654.72
	201706	N-006039-00163458	VOUCHERS	NEUCO	UA306001-18	\$3,871.70
	201708	N-006039-00163458	VOUCHERS	NEUCO	U6908006-18	\$14,909.25

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201709	N-006039-00163458	VOUCHERS	NEUCO	U6908009-18	\$4,566.50
	201712	N-006039-00163458	VOUCHERS	NEUCO	U7612003-19	\$5,965.10
	201805	N-006039-00163458	VOUCHERS	NEUCO	U3201001-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U3201003-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U3201010-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U3211005-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U3503001-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U6105004-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U6908006-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U6908009-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U7612003-19	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9210005-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9210010-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9220001-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9220002-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9220003-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9220004-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9220005-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9220006-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9220007-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	U9220008-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	UA305009-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	UA306001-17	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	UA306001-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	UA311005-18	\$0.00
	201805	N-006039-00163458	VOUCHERS	NEUCO	UA312002-18	\$0.00
40-805 Total						\$304,886.00
50-807						
	201606	N-006039-00163458	M/S STORES EXPENSE			\$11,314.54
	201607	N-006039-00163458	M/S STORES EXPENSE			\$329.25
	201610	N-006039-00163458	M/S STORES EXPENSE			\$127.81
	201611	N-006039-00163458	M/S STORES EXPENSE			\$50.60
	201612	N-006039-00163458	M/S STORES EXPENSE			\$20.88
	201701	N-006039-00163458	M/S STORES EXPENSE			\$297.52
	201704	N-006039-00163458	M/S STORES EXPENSE			\$241.73
	201706	N-006039-00163458	M/S STORES EXPENSE			\$968.22
	201708	N-006039-00163458	M/S STORES EXPENSE			\$1,260.03
	201710	N-006039-00163458	M/S STORES EXPENSE			\$115.14
	201711	N-006039-00163458	M/S STORES EXPENSE			(\$123.54)
	201712	N-006039-00163458	M/S STORES EXPENSE			\$197.73
	201802	N-006039-00163458	M/S STORES EXPENSE			(\$239.36)
50-807 Total						\$14,560.55
51-850						
	201606	N-006039-00163458	EXMPT STOCK EXPENSE			\$4,902.98
	201607	N-006039-00163458	EXMPT STOCK EXPENSE			\$98.78
	201610	N-006039-00163458	EXMPT STOCK EXPENSE			\$115.02

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
51-850						
	201611	N-006039-00163458	EXMPT STOCK EXPENSE			\$91.08
	201612	N-006039-00163458	EXMPT STOCK EXPENSE			\$37.58
	201701	N-006039-00163458	EXMPT STOCK EXPENSE			\$144.94
	201704	N-006039-00163458	EXMPT STOCK EXPENSE			\$117.77
	201706	N-006039-00163458	EXMPT STOCK EXPENSE			\$242.06
	201708	N-006039-00163458	EXMPT STOCK EXPENSE			\$315.02
	201710	N-006039-00163458	EXMPT STOCK EXPENSE			\$23.03
	201711	N-006039-00163458	EXMPT STOCK EXPENSE			(\$4.94)
	201712	N-006039-00163458	EXMPT STOCK EXPENSE			\$7.91
	201802	N-006039-00163458	EXMPT STOCK EXPENSE			(\$77.79)
51-850 Total						\$6,013.44
55-857						
	201606	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$2,941.79
	201607	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$49.39
	201610	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$11.50
	201611	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$4.55
	201612	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$1.88
	201701	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$56.53
	201704	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$45.93
	201706	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$145.24
	201708	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$189.01
	201710	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$5.76
	201711	N-006039-00163458	EXEMPT STK STORES EXPENSE			(\$1.24)
	201712	N-006039-00163458	EXEMPT STK STORES EXPENSE			\$1.98
	201802	N-006039-00163458	EXEMPT STK STORES EXPENSE			(\$31.12)
55-857 Total						\$3,421.20
60-809						
	201702	N-006039-00163458	WORKERS COMP INS			\$8.44
	201706	N-006039-00163458	WORKERS COMP INS			\$16.69
	201805	N-006039-00163458	WORKERS COMP INS			\$0.00
60-809 Total						\$25.13
60-815						
	201702	N-006039-00163458	MEDICAL COSTS CAP.			\$95.26
	201706	N-006039-00163458	MEDICAL COSTS CAP.			\$133.48
	201805	N-006039-00163458	MEDICAL COSTS CAP.			\$0.00
60-815 Total						\$228.74
60-816						
	201702	N-006039-00163458	401K COSTS CAP.			\$19.22
	201706	N-006039-00163458	401K COSTS CAP.			\$16.65
	201805	N-006039-00163458	401K COSTS CAP.			\$0.00
60-816 Total						\$35.87
60-817						
	201702	N-006039-00163458	PBOP COSTS CAP.			\$83.94
	201706	N-006039-00163458	PBOP COSTS CAP.			\$80.09

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-817						
	201805	N-006039-00163458	PBOP COSTS CAP.			\$0.00
60-817 Total						\$164.03
70-811						
	201606	N-006039-00163458	CONST E&O OVERHEADS			\$58,565.26
	201607	N-006039-00163458	CONST E&O OVERHEADS			\$41,978.27
	201608	N-006039-00163458	CONST E&O OVERHEADS			\$16,870.16
	201610	N-006039-00163458	CONST E&O OVERHEADS			\$551.66
	201611	N-006039-00163458	CONST E&O OVERHEADS			\$684.85
	201612	N-006039-00163458	CONST E&O OVERHEADS			\$14.31
	201701	N-006039-00163458	CONST E&O OVERHEADS			\$6,604.89
	201702	N-006039-00163458	CONST E&O OVERHEADS			\$335.13
	201703	N-006039-00163458	CONST E&O OVERHEADS			\$2,689.03
	201704	N-006039-00163458	CONST E&O OVERHEADS			\$2,631.14
	201706	N-006039-00163458	CONST E&O OVERHEADS			\$8,243.00
	201708	N-006039-00163458	CONST E&O OVERHEADS			\$8,891.09
	201709	N-006039-00163458	CONST E&O OVERHEADS			\$1,917.93
	201710	N-006039-00163458	CONST E&O OVERHEADS			\$253.87
	201711	N-006039-00163458	CONST E&O OVERHEADS			(\$218.35)
	201712	N-006039-00163458	CONST E&O OVERHEADS			\$203.20
	201802	N-006039-00163458	CONST E&O OVERHEADS			(\$399.48)
	201805	N-006039-00163458	CONST E&O OVERHEADS			\$0.00
70-811 Total						\$149,815.96
70-813						
	201606	N-006039-00163458	CONST OHDS CAP			\$9,978.66
	201607	N-006039-00163458	CONST OHDS CAP			\$7,152.48
	201608	N-006039-00163458	CONST OHDS CAP			\$2,874.43
	201610	N-006039-00163458	CONST OHDS CAP			\$83.36
	201701	N-006039-00163458	CONST OHDS CAP			\$1,140.58
	201702	N-006039-00163458	CONST OHDS CAP			\$57.87
	201703	N-006039-00163458	CONST OHDS CAP			\$464.36
	201704	N-006039-00163458	CONST OHDS CAP			\$454.37
	201706	N-006039-00163458	CONST OHDS CAP			\$1,423.47
	201708	N-006039-00163458	CONST OHDS CAP			\$1,535.38
	201709	N-006039-00163458	CONST OHDS CAP			\$213.98
	201710	N-006039-00163458	CONST OHDS CAP			\$28.32
	201711	N-006039-00163458	CONST OHDS CAP			(\$27.79)
	201802	N-006039-00163458	CONST OHDS CAP			(\$56.67)
	201805	N-006039-00163458	CONST OHDS CAP			\$0.00
70-813 Total						\$25,322.80
80-814						
	201702	N-006039-00163458	SMALL TOOLS			\$26.66
	201706	N-006039-00163458	SMALL TOOLS			\$16.69
	201805	N-006039-00163458	SMALL TOOLS			\$0.00
80-814 Total						\$43.35

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201606	N-006039-00163458	INTEREST CAPITALIZED			\$130.50
	201607	N-006039-00163458	INTEREST CAPITALIZED			\$354.55
	201608	N-006039-00163458	INTEREST CAPITALIZED			\$485.69
	201610	N-006039-00163458	INTEREST CAPITALIZED			\$524.69
	201611	N-006039-00163458	INTEREST CAPITALIZED			\$532.10
	201612	N-006039-00163458	INTEREST CAPITALIZED			\$544.72
	201701	N-006039-00163458	INTEREST CAPITALIZED			\$739.41
	201702	N-006039-00163458	INTEREST CAPITALIZED			\$758.78
	201703	N-006039-00163458	INTEREST CAPITALIZED			\$767.22
	201704	N-006039-00163458	INTEREST CAPITALIZED			\$782.08
	201706	N-006039-00163458	INTEREST CAPITALIZED			\$812.43
	201708	N-006039-00163458	INTEREST CAPITALIZED			\$860.26
	201709	N-006039-00163458	INTEREST CAPITALIZED			\$890.78
	201710	N-006039-00163458	INTEREST CAPITALIZED			\$897.22
	201711	N-006039-00163458	INTEREST CAPITALIZED			\$897.24
	201712	N-006039-00163458	INTEREST CAPITALIZED			\$902.59
	201801	N-006039-00163458	INTEREST CAPITALIZED			(\$451.30)
90-822 Total						\$10,428.96
90-866						
	201702	N-006039-00163458	PAYROLL TAXES CAP.			\$35.05
	201706	N-006039-00163458	PAYROLL TAXES CAP.			\$30.37
	201805	N-006039-00163458	PAYROLL TAXES CAP.			\$0.00
90-866 Total						\$65.42
90-867						
	201702	N-006039-00163458	PENSION COST CAP.			\$53.85
	201706	N-006039-00163458	PENSION COST CAP.			\$46.65
	201805	N-006039-00163458	PENSION COST CAP.			\$0.00
90-867 Total						\$100.50
K7-804						
	201606	N-006039-00163458	ISSUE REVERSAL			\$2,486.14
	201607	N-006039-00163458	ISSUE REVERSAL			(\$237.49)
	201711	N-006039-00163458	ISSUE REVERSAL			(\$494.14)
	201802	N-006039-00163458	ISSUE REVERSAL			(\$1,776.53)
K7-804 Total						(\$22.02)
						\$543,544.90

10/6/2016

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Northern NH Construction Authorization			AUTH: 006056 Date: 9/22/2016 Budgeted Amount: \$1,994,724.00	
Budget Item No: JAB16 Budget Year: 2016 Description: Concord PI / McKay Dr Exeter NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 9/22/2016 12:44:11 PM Initiated By: Johnson, Philip Finalized Date: 10/6/2016 12:54:15 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/26/2016	YES	Laffond, Courtney <i>Associate Plant Accountant</i>	Total Project Cost:	\$204,686.00
10/3/2016	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
9/28/2016	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$204,686.00
10/3/2016	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
9/30/2016	YES	Leblanc, Christopher <i>Director, Gas Operations</i>	Cost Of Removal:	\$0.00
10/3/2016	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
10/3/2016	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$204,686.00
10/3/2016	YES	Brock, Laurence <i>Controller & CAO</i>		
10/4/2016	YES	Meissner, Thomas <i>SVP And COO</i>		
10/4/2016	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 2,450' of 2" IPS HDPE IP main extension and (23) 1/14" IPS HDPE IP services from the existing 8" HDPE-IP main in Epping Rd. This will include a total of (91) meters.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 51450.				
Total 2016 Budget: \$1,994,724 Total Authorization to date: \$4,176,750 Total Net This Authorization: \$204,686 Remaining Budget: - \$2,386,712				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00163496		Concord PI / McKay Dr Exeter NH	\$204,686.00	
		Total	\$204,686.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201712	N-006056-00163509	M&S ISSUE			\$342.58
	201804	N-006056-00163509	M&S ISSUE			\$333.44
27-804 Total						\$676.02
40-805						
	201707	N-006056-00163509	VOUCHERS	NEUCO	U6106012-18	\$3,830.80
40-805 Total						\$3,830.80
50-807						
	201712	N-006056-00163509	M/S STORES EXPENSE			\$85.66
	201804	N-006056-00163509	M/S STORES EXPENSE			(\$2,846.71)
50-807 Total						(\$2,761.05)
51-850						
	201712	N-006056-00163509	EXMPT STOCK EXPENSE			\$3.43
	201804	N-006056-00163509	EXMPT STOCK EXPENSE			(\$1,313.86)
51-850 Total						(\$1,310.43)
55-857						
	201712	N-006056-00163509	EXEMPT STK STORES EXPENSE			\$0.86
	201804	N-006056-00163509	EXEMPT STK STORES EXPENSE			(\$854.01)
55-857 Total						(\$853.15)
70-811						
	201707	N-006056-00163509	CONST E&O OVERHEADS			\$1,814.27
	201712	N-006056-00163509	CONST E&O OVERHEADS			\$12.62
	201804	N-006056-00163509	CONST E&O OVERHEADS			(\$3,964.32)
70-811 Total						(\$2,137.43)
70-813						
	201707	N-006056-00163509	CONST OHDS CAP			\$313.30
	201804	N-006056-00163509	CONST OHDS CAP			(\$562.39)
70-813 Total						(\$249.09)
90-822						
	201707	N-006056-00163509	INTEREST CAPITALIZED			\$5.06
	201712	N-006056-00163509	INTEREST CAPITALIZED			\$5.25
90-822 Total						\$10.31
K7-804						
	201804	N-006056-00163509	ISSUE REVERSAL			(\$4,712.98)
K7-804 Total						(\$4,712.98)
						(\$7,507.00)

2/20/2017

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Northern NH			AUTH: 007013	
Construction Authorization			Date: 2/2/2017	
			Budgeted Amount: \$2,181,508.00	
Budget Item No: JAB01 Budget Year: 2017 Description: 407 Old Dover Rd Rochester Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 2/2/2017 1:18:34 PM Initiated By: Johnson, Philip Finalized Date: 2/20/2017 11:25:52 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$1,297,121.00
2/7/2017	YES	Northrup, Tressa <i>Utility Acctg And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/7/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$1,297,121.00
2/7/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
2/10/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
2/10/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
2/10/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$1,297,121.00
2/13/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
2/20/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
2/20/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of a new below ground regulator station to be installed at the intersection of Whitehouse Rd and Old Dover Rd Rochester, and will also include the installation of 3,800' of 6" HDPE main to serve a new development off of Old Dover Rd. The new development (Villages at Clark Brook) will require the installation of 2,400' of 4" HDPE, and 400' of 2" HDPE main, there will be a total of 64 services with 204 meters.				
The local engineering department has reviewed and approved this project. Gas loads only required 4"HDPE pipe to be installed on Old Dover Rd, engineering is requesting 6" HDPE pipe be installed for system integrity.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 50898.				
Total 2017 Budget: \$2,181,500 Total Authorization to date: \$0 Total Net This Authorization: \$1,297,121 Remaining Budget: \$884,379				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00173410		407 Old Dover Rd Rochester	\$1,297,121.00	
00173412		Whitehouse Rd Distribution Station-99 PSIG MAOP	\$0.00	
		Total	\$1,297,121.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201701	N-007013-00173410	M&S ISSUE			\$6,856.03
	201703	N-007013-00173410	M&S ISSUE			\$149.28
	201704	N-007013-00173410	M&S ISSUE			\$9,970.21
	201706	N-007013-00173410	M&S ISSUE			\$22,559.35
	201707	N-007013-00173410	M&S ISSUE			\$36,640.68
	201708	N-007013-00173410	M&S ISSUE			\$1,467.26
	201709	N-007013-00173410	M&S ISSUE			\$3,895.25
	201808	N-007013-00173410	M&S ISSUE			\$5,863.40
27-804 Total						\$87,401.46
40-805						
	201701	N-007013-00173410	VOUCHERS	NEUCO	U3212004-18	\$3,184.00
	201701	N-007013-00173410	VOUCHERS	NEUCO	U6112007-18	\$6,720.00
	201701	N-007013-00173410	VOUCHERS	NEUCO	U6912002-18	\$9,115.44
	201701	N-007013-00173410	VOUCHERS	NEUCO	U9712004-18	\$8,363.76
	201701	N-007013-00173410	VOUCHERS	NEUCO	U9712005-18	\$7,299.58
	201703	N-007013-00173410	VOUCHERS	PETTY CASH NUNH	03312017	\$100.00
	201703	N-007013-00173410	VOUCHERS	PROCESS PIPE	100637	\$9,600.00
	201704	N-007013-00173410	VOUCHERS	NEUCO	U6103001-18	\$2,685.96
	201704	N-007013-00173410	VOUCHERS	NEUCO	U9703001-18	\$12,339.92
	201704	N-007013-00173410	VOUCHERS	NEUCO	U9704001-18	\$12,430.85
	201705	N-007013-00173410	VOUCHERS	COLLINS PIPE	3019089	\$3,850.51
	201705	N-007013-00173410	VOUCHERS	MULCARE ENGINEE	MPSI-81392	\$479.36
	201705	N-007013-00173410	VOUCHERS	NEUCO	U9704006-18	\$2,885.52
	201705	N-007013-00173410	VOUCHERS	PROCESS PIPE	100651	\$13,198.00
	201705	N-007013-00173410	VOUCHERS	PROCESS PIPE	100659	\$9,480.63
	201707	N-007013-00173410	VOUCHERS	JDH INSPECTION	17-0322	\$3,751.40
	201707	N-007013-00173410	VOUCHERS	JDH INSPECTION	17-0323	\$4,228.50
	201707	N-007013-00173410	VOUCHERS	JDH INSPECTION	17-0337	\$3,505.40
	201707	N-007013-00173410	VOUCHERS	JDH INSPECTION	17-0338	\$4,555.50
	201707	N-007013-00173410	VOUCHERS	JDH INSPECTION	17-0345	\$3,092.40
	201707	N-007013-00173410	VOUCHERS	JDH INSPECTION	17-0348	\$4,497.00
	201707	N-007013-00173410	VOUCHERS	JDH INSPECTION	17-0356	\$4,433.40
	201707	N-007013-00173410	VOUCHERS	JDH INSPECTION	17-0360	\$4,623.00
	201707	N-007013-00173410	VOUCHERS	NEUCO	U9523001-18	\$25,728.22
	201707	N-007013-00173410	VOUCHERS	NEUCO	U9523002-18	\$33,769.50
	201707	N-007013-00173410	VOUCHERS	NEUCO	U9523003-18	\$11,913.87
	201707	N-007013-00173410	VOUCHERS	NEUCO	U9706004-18	\$7,692.23
	201707	N-007013-00173410	VOUCHERS	NEUCO	U9741001-18	\$25,717.52
	201707	N-007013-00173410	VOUCHERS	PROCESS PIPE	100675	\$9,112.96
	201708	N-007013-00173410	VOUCHERS	I C REED & SONS	18352	\$803.53
	201708	N-007013-00173410	VOUCHERS	NEUCO	U1808005-18	\$3,543.52
	201708	N-007013-00173410	VOUCHERS	NEUCO	U6908005-18	\$1,442.76
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9523004-18	\$27,914.87
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9523005-18	\$19,135.55
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9523006-18	\$35,567.48
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9523008-18	\$334.90

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9523009-18	\$192.00
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9741002-18	\$12,550.80
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9741003-18	\$32,522.04
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9741004-18	\$33,600.71
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9741005-18	\$40,725.28
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9741006-18	\$30,266.71
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9741007-18	\$14,218.52
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9741009-18	\$20,187.10
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9741010-18	\$174.93
	201708	N-007013-00173410	VOUCHERS	NEUCO	U9741011-18	\$6,617.32
	201709	N-007013-00173410	VOUCHERS	NEUCO	U9709002-18	\$15,670.40
	201709	N-007013-00173410	VOUCHERS	NEUCO	U9741012-18	\$484.50
	201710	N-007013-00173410	VOUCHERS	NEUCO	U9509004-18	\$382.50
	201710	N-007013-00173410	VOUCHERS	NEUCO	U9709010-18	\$2,885.52
	201806	N-007013-00173410	VOUCHERS	CONSOLIDAT PIPE	1371587-000-000	\$14,875.21
40-805 Total						\$562,450.58
50-807						
	201701	N-007013-00173410	M/S STORES EXPENSE			\$2,673.85
	201703	N-007013-00173410	M/S STORES EXPENSE			\$58.22
	201704	N-007013-00173410	M/S STORES EXPENSE			\$3,825.02
	201706	N-007013-00173410	M/S STORES EXPENSE			\$13,535.62
	201707	N-007013-00173410	M/S STORES EXPENSE			\$20,028.64
	201708	N-007013-00173410	M/S STORES EXPENSE			\$16.69
	201709	N-007013-00173410	M/S STORES EXPENSE			\$973.84
	201808	N-007013-00173410	M/S STORES EXPENSE			(\$846.38)
50-807 Total						\$40,265.50
51-850						
	201701	N-007013-00173410	EXMPT STOCK EXPENSE			\$1,302.65
	201703	N-007013-00173410	EXMPT STOCK EXPENSE			\$28.36
	201704	N-007013-00173410	EXMPT STOCK EXPENSE			\$1,863.47
	201706	N-007013-00173410	EXMPT STOCK EXPENSE			\$3,383.90
	201707	N-007013-00173410	EXMPT STOCK EXPENSE			\$5,007.16
	201708	N-007013-00173410	EXMPT STOCK EXPENSE			\$4.17
	201709	N-007013-00173410	EXMPT STOCK EXPENSE			\$194.76
	201808	N-007013-00173410	EXMPT STOCK EXPENSE			(\$325.53)
51-850 Total						\$11,458.94
55-857						
	201701	N-007013-00173410	EXEMPT STK STORES EXPENSE			\$508.03
	201703	N-007013-00173410	EXEMPT STK STORES EXPENSE			\$11.06
	201704	N-007013-00173410	EXEMPT STK STORES EXPENSE			\$726.75
	201706	N-007013-00173410	EXEMPT STK STORES EXPENSE			\$2,030.34
	201707	N-007013-00173410	EXEMPT STK STORES EXPENSE			\$3,004.30
	201708	N-007013-00173410	EXEMPT STK STORES EXPENSE			\$2.50
	201709	N-007013-00173410	EXEMPT STK STORES EXPENSE			\$48.69

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
55-857						
	201808	N-007013-00173410	EXEMPT STK STORES EXPENSE			(\$211.59)
55-857 Total						\$6,120.08
70-811						
	201701	N-007013-00173410	CONST E&O OVERHEADS			\$21,796.65
	201703	N-007013-00173410	CONST E&O OVERHEADS			\$4,710.86
	201704	N-007013-00173410	CONST E&O OVERHEADS			\$20,686.71
	201705	N-007013-00173410	CONST E&O OVERHEADS			\$14,157.81
	201706	N-007013-00173410	CONST E&O OVERHEADS			\$19,658.76
	201707	N-007013-00173410	CONST E&O OVERHEADS			\$98,528.73
	201708	N-007013-00173410	CONST E&O OVERHEADS			\$132,536.58
	201709	N-007013-00173410	CONST E&O OVERHEADS			\$8,932.33
	201710	N-007013-00173410	CONST E&O OVERHEADS			\$1,372.57
	201712	N-007013-00173410	CONST E&O OVERHEADS			(\$64,476.18)
	201806	N-007013-00173410	CONST E&O OVERHEADS			\$7,044.90
	201808	N-007013-00173410	CONST E&O OVERHEADS			(\$1,154.82)
70-811 Total						\$263,794.90
70-813						
	201701	N-007013-00173410	CONST OHDS CAP			\$3,764.01
	201703	N-007013-00173410	CONST OHDS CAP			\$813.51
	201704	N-007013-00173410	CONST OHDS CAP			\$3,572.34
	201705	N-007013-00173410	CONST OHDS CAP			\$2,444.88
	201706	N-007013-00173410	CONST OHDS CAP			\$3,394.82
	201707	N-007013-00173410	CONST OHDS CAP			\$17,014.68
	201708	N-007013-00173410	CONST OHDS CAP			\$22,887.41
	201709	N-007013-00173410	CONST OHDS CAP			\$996.59
	201710	N-007013-00173410	CONST OHDS CAP			\$153.13
	201712	N-007013-00173410	CONST OHDS CAP			(\$11,008.26)
	201806	N-007013-00173410	CONST OHDS CAP			\$1,216.57
	201808	N-007013-00173410	CONST OHDS CAP			(\$230.43)
70-813 Total						\$45,019.25
90-822						
	201701	N-007013-00173410	INTEREST CAPITALIZED			\$60.85
	201703	N-007013-00173410	INTEREST CAPITALIZED			\$134.84
	201704	N-007013-00173410	INTEREST CAPITALIZED			\$205.74
	201705	N-007013-00173410	INTEREST CAPITALIZED			\$303.01
	201706	N-007013-00173410	INTEREST CAPITALIZED			\$397.41
	201707	N-007013-00173410	INTEREST CAPITALIZED			\$727.34
	201708	N-007013-00173410	INTEREST CAPITALIZED			\$1,372.37
	201709	N-007013-00173410	INTEREST CAPITALIZED			\$1,768.87
	201710	N-007013-00173410	INTEREST CAPITALIZED			\$1,801.86
	201712	N-007013-00173410	INTEREST CAPITALIZED			\$1,744.18
	201801	N-007013-00173410	INTEREST CAPITALIZED			(\$872.09)
90-822 Total						\$7,644.38

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
95-865						
	201710	N-007013-00173410	MISC PLANT ADJUSTMENT			\$2,827.36
95-865 Total						\$2,827.36
K7-804						
	201704	N-007013-00173410	ISSUE REVERSAL			(\$162.47)
	201707	N-007013-00173410	ISSUE REVERSAL			(\$3,259.60)
	201708	N-007013-00173410	ISSUE REVERSAL			(\$1,439.43)
	201808	N-007013-00173410	ISSUE REVERSAL			(\$7,165.52)
K7-804 Total						(\$12,027.02)
						\$1,014,955.43

12/19/2017

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Northern NH		AUTH: 007014
Construction Authorization		Date: 12/13/2017
		Budgeted Amount: \$3,105,553.00
Budget Item No: JHB01 Budget Year: 2017 Description: Whittier St Bridge Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:		Type: Revision Sequence: 2 Status: Completed Initiated Date: 12/13/2017 11:00:03 AM Initiated By: Ciulla, Mel Finalized Date: 12/19/2017 1:43:18 PM Finalized By: Laffond, Courtney
APPROVALS		ESTIMATED COST SUMMARY
Action Date	Approved	Approver/Title
12/13/2017	YES	Laffond, Courtney <i>Plant Accountant</i>
12/13/2017	YES	Northrup, Tressa <i>Utility Acctg And Budgeting Mgr</i>
12/14/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>
12/15/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>
12/15/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>
12/15/2017	YES	Sprague, Kevin <i>Director Engineering</i>
12/15/2017	YES	Main, Dan <i>Assistant Controller</i>
12/15/2017	YES	Meissner, Thomas <i>SVP And COO</i>
12/18/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>
DESCRIPTION/SCOPE		
Revision Scope change, the temporary 6" steel line and the permanent 8" steel line tie-in location had to be extended 120 feet to accommodate the bridge construction, along with additional crew cost to accommodate contractor schedule. This authorization is for the replacement of the Whittier St Bridge which will require the installation of a temporary structure and gas main installation during the construction of the new bridge. The temporary main will be 600' of 6" CS and when the new bridge is constructed there will be 600' of 8" CS main installed on the new bridge. This project has been reviewed and approved by the local engineering department.		
JUSTIFICATION		
Revision The temporary and permanent tie-in were extended by 120 feet, additional crew time to accommodate contractor construction and additional material cost. Total 2017 Budget \$3,105,553 Additional Steel Main extensions 6" & 8" cost \$175,000 Additional Crew cost \$28,355 Additional Material Cost \$93,939 Total Project cost of \$926,574 As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Dover is replacing the Whittier St Bridge, this is a one way feed and will require the installation of a temporary structure and gas main to maintain gas flow during construction. The City of Dover has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2016 Budget: \$3,105,630 Total Authorized to Date: \$0 Total this Authorization: \$629,280 Remaining: \$ 2,476,350		
NOTES		
AUTHORIZATION COMMENTS		
CWO Summary		
CWO	Description	Amount
00173411	Whittier St Bridge Dover NH	\$787,588.00
	Total	\$787,588.00

2/10/2017

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Northern NH			AUTH: 007014	
Construction Authorization			Date: 2/2/2017	
			Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB01 Budget Year: 2017 Description: Whittier St Bridge Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 2/2/2017 8:13:01 AM Initiated By: Johnson, Philip Finalized Date: 2/10/2017 8:11:58 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/6/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$629,280.00
2/6/2017	YES	Northrup, Tressa <i>Utility Acctg And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/6/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$629,280.00
2/6/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
2/6/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$94,392.00
2/6/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
2/6/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$534,888.00
2/7/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
2/7/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
2/7/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the replacement of the Whittier St Bridge which will require the installation of a temporary structure and gas main installation during the construction of the new bridge. The temporary main will be 600' of 6" CS and when the new bridge is constructed there will be 600' of 8" CS main installed on the new bridge.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Dover is replacing the Whittier St Bridge, this is a one way feed and will require the installation of a temporary structure and gas main to maintain gas flow during construction. The City of Dover has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2016 Budget: \$3,105,630 Total Authorized to Date: \$0 Total this Authorization: \$629,280 Remaining: \$ 2,476,350				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00173411			Whittier St Bridge Dover NH	\$534,888.00
			Total	\$534,888.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201701	N-007014-00173411	M&S ISSUE			\$9,321.20
	201702	N-007014-00173411	M&S ISSUE			\$2,590.83
	201703	N-007014-00173411	M&S ISSUE			\$364.30
	201709	N-007014-00173411	M&S ISSUE			\$21,072.76
	201710	N-007014-00173411	M&S ISSUE			\$585.88
	201801	N-007014-00173411	M&S ISSUE			\$12,943.68
	201802	N-007014-00173411	M&S ISSUE			\$485.68
27-804 Total						\$47,364.33
40-805						
	201702	N-007014-00173411	VOUCHERS	BANK AMER VISA	HAMBLEN JANUARY 2017	\$59.85
	201702	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0023	\$3,023.70
	201702	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0033	\$12,038.30
	201702	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0037	\$8,310.40
	201702	N-007014-00173411	VOUCHERS	NEUCO	U6101001-18	\$8,061.76
	201702	N-007014-00173411	VOUCHERS	NEUCO	U6102001-18	\$11,445.21
	201702	N-007014-00173411	VOUCHERS	NEUCO	U7701004-18	\$413.00
	201702	N-007014-00173411	VOUCHERS	NEUCO	U9201005-18	\$3,613.92
	201702	N-007014-00173411	VOUCHERS	NEUCO	U9201006-18	\$14,761.10
	201702	N-007014-00173411	VOUCHERS	NEUCO	U9201007-18	\$4,785.96
	201702	N-007014-00173411	VOUCHERS	NEUCO	U9202001-18	\$6,789.85
	201703	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0044	\$2,234.70
	201703	N-007014-00173411	VOUCHERS	NEUCO	U7702001-18	\$1,652.00
	201703	N-007014-00173411	VOUCHERS	NEUCO	U9201008-18	\$1,695.42
	201703	N-007014-00173411	VOUCHERS	NEUCO	U9202002-18	\$34,087.01
	201703	N-007014-00173411	VOUCHERS	NEUCO	U9202003-18	\$17,616.46
	201703	N-007014-00173411	VOUCHERS	NEUCO	U9202005-18	\$2,787.92
	201703	N-007014-00173411	VOUCHERS	NEUCO	U9202006-18	\$5,680.84
	201703	N-007014-00173411	VOUCHERS	NEUCO	U9202011-18	\$809.50
	201706	N-007014-00173411	VOUCHERS	COLLINS PIPE	3020840	\$12,203.02
	201706	N-007014-00173411	VOUCHERS	COLLINS PIPE	3021473	\$828.34
	201706	N-007014-00173411	VOUCHERS	LINN BROWN AS	006879	\$5,512.21
	201706	N-007014-00173411	VOUCHERS	MULCARE ENGINEE	MPSI-82325	\$1,953.68
	201707	N-007014-00173411	VOUCHERS	BADGER INDUST	102356	\$1,523.06
	201707	N-007014-00173411	VOUCHERS	COLLINS PIPE	3020840	(\$12,203.02)
	201708	N-007014-00173411	VOUCHERS	COLLINS PIPE	3024148	\$16,327.36
	201708	N-007014-00173411	VOUCHERS	COLLINS PIPE	3024549	\$223.65
	201709	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0483	\$2,762.10
	201709	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0494	\$2,806.00
	201709	N-007014-00173411	VOUCHERS	NEUCO	U9208001-18	\$8,352.42
	201709	N-007014-00173411	VOUCHERS	NEUCO	U9208002-18	\$854.88
	201709	N-007014-00173411	VOUCHERS	NEUCO	U9209002-18	\$8,819.97
	201710	N-007014-00173411	VOUCHERS	BANK AMER VISA	BROWN ARNOLD SEPTEMBER 2017	\$10.90
	201710	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0540	\$5,520.50
	201710	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0554	\$1,872.50
	201710	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0575	\$5,253.50
	201710	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0576	\$1,360.50

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201710	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0602	\$1,303.50
	201710	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0603	\$6,024.50
	201710	N-007014-00173411	VOUCHERS	JDH INSPECTION	17-0641	\$726.00
	201710	N-007014-00173411	VOUCHERS	NEUCO	U97090012-18	\$5,041.56
	201710	N-007014-00173411	VOUCHERS	NEUCO	U9709006-18	\$6,625.92
	201710	N-007014-00173411	VOUCHERS	NEUCO	U9709007-18	\$13,983.74
	201710	N-007014-00173411	VOUCHERS	NEUCO	U9709008-18	\$3,785.40
	201710	N-007014-00173411	VOUCHERS	NEUCO	U9709009-18	\$14,286.72
	201710	N-007014-00173411	VOUCHERS	NEUCO	U9710001-18	\$19,966.24
	201711	N-007014-00173411	VOUCHERS	NEUCO	U0010012-18	\$685.24
	201711	N-007014-00173411	VOUCHERS	NEUCO	U9710002-18	\$8,729.94
	201711	N-007014-00173411	VOUCHERS	NEUCO	U9710009-18	\$599.40
	201712	N-007014-00173411	VOUCHERS	NEUCO	U7611005-19	\$2,022.89
40-805 Total						\$287,629.52
50-807						
	201701	N-007014-00173411	M/S STORES EXPENSE			\$3,635.26
	201702	N-007014-00173411	M/S STORES EXPENSE			\$964.17
	201703	N-007014-00173411	M/S STORES EXPENSE			\$142.08
	201709	N-007014-00173411	M/S STORES EXPENSE			\$5,268.21
	201710	N-007014-00173411	M/S STORES EXPENSE			\$125.63
	201801	N-007014-00173411	M/S STORES EXPENSE			\$5,081.19
	201802	N-007014-00173411	M/S STORES EXPENSE			(\$11,740.68)
50-807 Total						\$3,475.86
51-850						
	201701	N-007014-00173411	EXMPT STOCK EXPENSE			\$1,771.03
	201702	N-007014-00173411	EXMPT STOCK EXPENSE			\$469.73
	201703	N-007014-00173411	EXMPT STOCK EXPENSE			\$69.22
	201709	N-007014-00173411	EXMPT STOCK EXPENSE			\$1,053.64
	201710	N-007014-00173411	EXMPT STOCK EXPENSE			\$25.13
	201801	N-007014-00173411	EXMPT STOCK EXPENSE			\$1,651.39
	201802	N-007014-00173411	EXMPT STOCK EXPENSE			(\$3,815.72)
51-850 Total						\$1,224.42
55-857						
	201701	N-007014-00173411	EXEMPT STK STORES EXPENSE			\$690.70
	201702	N-007014-00173411	EXEMPT STK STORES EXPENSE			\$183.19
	201703	N-007014-00173411	EXEMPT STK STORES EXPENSE			\$27.00
	201709	N-007014-00173411	EXEMPT STK STORES EXPENSE			\$263.41
	201710	N-007014-00173411	EXEMPT STK STORES EXPENSE			\$6.28
	201801	N-007014-00173411	EXEMPT STK STORES EXPENSE			\$660.56
	201802	N-007014-00173411	EXEMPT STK STORES EXPENSE			(\$1,526.29)
55-857 Total						\$304.85
70-811						
	201701	N-007014-00173411	CONST E&O OVERHEADS			\$7,302.05
	201702	N-007014-00173411	CONST E&O OVERHEADS			\$36,653.04
	201703	N-007014-00173411	CONST E&O OVERHEADS			\$31,810.03

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-811						
	201706	N-007014-00173411	CONST E&O OVERHEADS			\$9,707.50
	201707	N-007014-00173411	CONST E&O OVERHEADS			(\$5,058.03)
	201708	N-007014-00173411	CONST E&O OVERHEADS			\$7,838.56
	201709	N-007014-00173411	CONST E&O OVERHEADS			\$21,526.43
	201710	N-007014-00173411	CONST E&O OVERHEADS			\$36,296.84
	201711	N-007014-00173411	CONST E&O OVERHEADS			\$3,505.11
	201712	N-007014-00173411	CONST E&O OVERHEADS			\$59.02
	201801	N-007014-00173411	CONST E&O OVERHEADS			\$8,480.56
	201802	N-007014-00173411	CONST E&O OVERHEADS			(\$19,595.32)
70-811 Total						\$138,525.79
70-813						
	201701	N-007014-00173411	CONST OHDS CAP			\$1,260.97
	201702	N-007014-00173411	CONST OHDS CAP			\$6,329.52
	201703	N-007014-00173411	CONST OHDS CAP			\$5,493.19
	201706	N-007014-00173411	CONST OHDS CAP			\$1,676.36
	201707	N-007014-00173411	CONST OHDS CAP			(\$873.45)
	201708	N-007014-00173411	CONST OHDS CAP			\$1,353.62
	201709	N-007014-00173411	CONST OHDS CAP			\$2,401.73
	201710	N-007014-00173411	CONST OHDS CAP			\$4,049.69
	201711	N-007014-00173411	CONST OHDS CAP			\$446.15
	201801	N-007014-00173411	CONST OHDS CAP			\$1,203.08
	201802	N-007014-00173411	CONST OHDS CAP			(\$2,779.85)
70-813 Total						\$20,561.01
90-822						
	201701	N-007014-00173411	INTEREST CAPITALIZED			\$20.38
	201702	N-007014-00173411	INTEREST CAPITALIZED			\$128.55
	201703	N-007014-00173411	INTEREST CAPITALIZED			\$492.07
	201705	N-007014-00173411	INTEREST CAPITALIZED			\$775.40
	201706	N-007014-00173411	INTEREST CAPITALIZED			\$806.04
	201707	N-007014-00173411	INTEREST CAPITALIZED			\$814.65
	201708	N-007014-00173411	INTEREST CAPITALIZED			\$818.83
	201709	N-007014-00173411	INTEREST CAPITALIZED			\$896.92
	201710	N-007014-00173411	INTEREST CAPITALIZED			\$1,048.13
	201711	N-007014-00173411	INTEREST CAPITALIZED			\$1,149.93
	201712	N-007014-00173411	INTEREST CAPITALIZED			\$1,161.53
	201801	N-007014-00173411	INTEREST CAPITALIZED			(\$580.77)
90-822 Total						\$7,531.66
95-865						
	201703	N-007014-00173411	MISC PLANT ADJUSTMENT			\$219,923.76
	201705	N-007014-00173411	MISC PLANT ADJUSTMENT			\$8,945.72
95-865 Total						\$228,869.48
K7-804						
	201702	N-007014-00173411	ISSUE REVERSAL			(\$118.56)
	201710	N-007014-00173411	ISSUE REVERSAL			(\$83.36)
	201801	N-007014-00173411	ISSUE REVERSAL			(\$240.70)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201802	N-007014-00173411	ISSUE REVERSAL			(\$29,837.40)
K7-804 Total						(\$30,280.02)
						<u>\$705,206.90</u>

12/13/2017

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Northern NH Construction Authorization		AUTH: 007022 Date: 11/20/2017 Budgeted Amount: \$3,105,553.00
Budget Item No: JHB02 Budget Year: 2017 Description: Congress St/ Fleet St/ Vaughn Mall Portsmouth NH Project Supervisor: Johnson, Phillip Crew Days: 0 Start Date: Completion Date:		Type: Revision Sequence: 3 Status: Completed Initiated Date: 11/20/2017 2:39:00 PM Initiated By: Ciulla, Mel Finalized Date: 12/13/2017 3:48:27 PM Finalized By: Laffond, Courtney
APPROVALS		ESTIMATED COST SUMMARY
Action Date	Approved	Approver/Title
11/27/2017	YES	Laffond, Courtney <i>Plant Accountant</i>
11/27/2017	YES	Northrup, Tressa <i>Utility Acctg And Budgeting Mgr</i>
11/27/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>
11/29/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>
12/12/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>
12/12/2017	YES	Sprague, Kevin <i>Director Engineering</i>
12/12/2017	YES	Main, Dan <i>Assistant Controller</i>
12/12/2017	YES	Meissner, Thomas <i>SVP And COO</i>
12/13/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>
DESCRIPTION/SCOPE		
Revision, Estimated Cost for ledge and obstructions increased from \$97, 875 to \$236,341, additional obstructions, traffic delays along with Vaughn Mall restoration Total project cost of \$959,222 Revision Congress St Portsmouth, Vaughn Mall, Porter St scope changes Congress St construction reveled numerous unknown obstructions, along with ledge for an additional cost of \$39,950 for unknown obstructions and \$57,925 Ledge removal Total of \$97,875. Vaughn Mall was going to upgraded to IP, due to corridor restrictions this had to remain LP, because the existing line could not be inserted it required a complete relay removing concrete walkway along with ledge removal for an additional cost of \$51,426. Porter St, was added because of city work on Chestnut St, our existing main needed to be cut off on Chestnut, Porter St needed to be tied into Middle St to loop this section to allow Chestnut St to be removed, an additional cost of \$25,500. This authorization is for the replacement of 850' of 8" and 10"CI with 850' of 8" HDPE in Congress St, 400' of 4" CI wit 400' of 4" HDPE in Fleet St and 500' of 3" CI with 2"HDPE in Vaughn Mall. This is being driven by an infrastructure improvement project being done by the City of Portsmouth. There are (24) services that will need to be tied over to the new main. This project has been reviewed and approved by the local engineering department.		
JUSTIFICATION		
Revised amounts Congress St \$125,000 additional obstructions Vaughn Mall \$56,000 Porter St \$55, 341 Additional cost of \$236,222 Total Project cost of \$959,222 Authorized amount of \$548,080 incurred additional cost Congress St total \$97,875 Vaughn Mall total \$51,426 Porter St total \$25,500, Additional Total Cost of \$174,801, Total Project cost of \$722,881, As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of		

12/13/2017

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Portsmouth is doing a full depth reconstruction of portions of Congress St, Fleet St and Vaughn Mall. There are direct conflicts with the existing gas main. The City of Portsmouth has approved a proposed route for the installation of the new gas main.
State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.
NH Department of Transportation.

Total 2016 Budget: \$3,105,630
Total Authorized to Date: \$7,507,614
Total this Authorization: \$959,222
Remaining: \$ -5,361,206

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
00173437	Congress St/ Fleet St/ Vaughn Mall Portsmouth NH	\$815,339.00
	Total	\$815,339.00

7/25/2017

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Northern NH Construction Authorization			AUTH: 007022 Date: 7/6/2017 Budgeted Amount: \$3,105,553.00
Budget Item No: JHB02 Budget Year: 2017 Description: Congress St/ Fleet St/ Vaughn Mall Portsmouth NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:	Type: Revision Sequence: 2 Status: Completed Initiated Date: 7/6/2017 7:44:28 AM Initiated By: Ciulla, Mel Finalized Date: 7/25/2017 9:26:00 AM Finalized By: Laffond, Courtney		
APPROVALS		ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description Amount
7/10/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost: \$722,881.00
7/10/2017	YES	Northrup, Tressa <i>Utility Acctg And Budgeting Mgr</i>	Less Customer Contribution: \$0.00
7/10/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost: \$722,881.00
7/11/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement: \$0.00
7/12/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal: \$108,432.00
7/12/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage: \$0.00
7/12/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total: \$614,449.00
7/14/2017	YES	Brock, Laurence <i>Controller & CAO</i>	
7/14/2017	YES	Meissner, Thomas <i>SVP And COO</i>	
7/21/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>	
DESCRIPTION/SCOPE			
Revision Congress St Portsmouth, Vaughn Mall, Porter St scope changes Congress St construction reveled numerous unknown obstructions, along with ledge for an additional cost of \$39,950 for unknown obstructions and \$57,925 Ledge removal Total of \$97,875. Vaughn Mall was going to upgraded to IP, due to corridor restrictions this had to remain LP, because the existing line could not be inserted it required a complete relay removing concrete walkway along with ledge removal for an additional cost of \$51,426. Porter St, was added because of city work on Chestnut St, our existing main needed to be cut off on Chestnut, Porter St needed to be tied into Middle St to loop this section to allow Chestnut St to be removed, an additional cost of \$25,500. This authorization is for the replacement of 850' of 8" and 10" CI with 850' of 8" HDPE in Congress St, 400' of 4" CI wit 400' of 4" HDPE in Fleet St and 500' of 3" CI with 2" HDPE in Vaughn Mall. This is being driven by an infrastructure improvement project being done by the City of Portsmouth. There are (24) services that will need to be tied over to the new main. This project has been reviewed and approved by the local engineering department.			
JUSTIFICATION			
Authorized amount of \$548,080 incurred additional cost Congress St total \$97,875 Vaughn Mall total \$51,426 Porter St total \$25,500 Additional Total Cost of \$174,801 Total Project cost of \$722,881 As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is doing a full depth reconstruction of portions of Congress St, Fleet St and Vaughn Mall. There are direct conflicts with the existing gas main. The City of Portsmouth has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2016 Budget: \$3,105,630 Total Authorized to Date: \$629,280 Total this Authorization: \$548,080 Remaining: \$ 1,928,270			

7/25/2017

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NOTES		
AUTHORIZATION COMMENTS		
CWO Summary		
CWO	Description	Amount
00173437	Congress St/ Fleet St/ Vaughn Mall Portsmouth NH	\$614,449.00
	Total	\$614,449.00

2/20/2017

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Northern NH			AUTH: 007022	
Construction Authorization			Date: 2/2/2017	
			Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB02 Budget Year: 2017 Description: Congress St/ Fleet St/ Vaughn Mall Portsmouth NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 2/2/2017 8:25:10 AM Initiated By: Johnson, Philip Finalized Date: 2/20/2017 11:23:25 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/6/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$548,080.00
2/6/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/6/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$548,080.00
2/6/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
2/10/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$82,212.00
2/10/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
2/10/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$465,868.00
2/13/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
2/20/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
2/20/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the replacement of 850' of 8" and 10" CI with 850' of 8" HDPE in Congress St, 400' of 4" CI wit 400' of 4" HDPE in Fleet St and 500' of 3" CI with 2" HDPE in Vaughn Mall. This is being driven by an infrastructure improvement project being done by the City of Portsmouth. There are (24) services that will need to be tied over to the new main.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is doing a full depth reconstruction of portions of Congress St, Fleet St and Vaughn Mall. There are direct conflicts with the existing gas main. The City of Portsmouth has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2016 Budget: \$3,105,630 Total Authorized to Date: \$629,280 Total this Authorization: \$548,080 Remaining: \$ 1,928,270				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00173437		Congress St/ Fleet St/ Vaughn Mall Portsmouth NH	\$465,868.00	
		Total	\$465,868.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201705	N-007022-00173437	PAYROLL-ST			\$102.87
	201706	N-007022-00173437	PAYROLL-ST			\$545.62
	201707	N-007022-00173437	PAYROLL-ST			\$300.66
10-800 Total						\$949.15
10-803						
	201705	N-007022-00173437	PAYROLL-OT			\$266.59
	201706	N-007022-00173437	PAYROLL-OT			\$264.90
10-803 Total						\$531.49
27-804						
	201704	N-007022-00173437	M&S ISSUE			\$8,512.00
	201705	N-007022-00173437	M&S ISSUE			\$3,778.11
	201706	N-007022-00173437	M&S ISSUE			\$15,495.80
	201707	N-007022-00173437	M&S ISSUE			\$1,048.32
	201708	N-007022-00173437	M&S ISSUE			\$207.86
	201712	N-007022-00173437	M&S ISSUE			\$4,688.51
27-804 Total						\$33,730.60
30-820						
	201705	N-007022-00173437	TRANSPORTATION JE			\$188.00
	201706	N-007022-00173437	TRANSPORTATION JE			\$376.00
	201707	N-007022-00173437	TRANSPORTATION JE			\$60.00
30-820 Total						\$624.00
40-805						
	201704	N-007022-00173437	VOUCHERS	CITY PORTS	04242017	\$3,375.00
	201704	N-007022-00173437	VOUCHERS	NEUCO	U3504004-18	\$10,676.67
	201705	N-007022-00173437	VOUCHERS	BANK AMER VISA	RIPLEY APRIL 2017	\$803.01
	201705	N-007022-00173437	VOUCHERS	CITY PORTS	05172017	\$3,555.00
	201705	N-007022-00173437	VOUCHERS	NEUCO	U3504005-18	\$3,739.07
	201705	N-007022-00173437	VOUCHERS	NEUCO	U3504007-18	\$6,136.03
	201705	N-007022-00173437	VOUCHERS	NEUCO	U3504008-18	\$2,655.00
	201705	N-007022-00173437	VOUCHERS	NEUCO	U3504009-18	\$33,646.41
	201705	N-007022-00173437	VOUCHERS	NEUCO	U3505001-18	\$16,239.17
	201705	N-007022-00173437	VOUCHERS	NEUCO	U3505002-18	\$32,973.17
	201706	N-007022-00173437	VOUCHERS	CITY PORTS	06142017	\$1,350.00
	201706	N-007022-00173437	VOUCHERS	CITY PORTS	06192017	\$1,035.00
	201706	N-007022-00173437	VOUCHERS	CITY PORTS	Meter Bags 6/5/2017	\$2,400.00
	201706	N-007022-00173437	VOUCHERS	NEUCO	U1806002-18	\$10,339.91
	201706	N-007022-00173437	VOUCHERS	NEUCO	U3505003-18	\$42,789.63
	201706	N-007022-00173437	VOUCHERS	NEUCO	U3505004-18	\$37,563.63
	201706	N-007022-00173437	VOUCHERS	NEUCO	U3506001-18	\$20,117.84
	201706	N-007022-00173437	VOUCHERS	NEUCO	U3506002-18	\$46,181.79
	201706	N-007022-00173437	VOUCHERS	NEUCO	U3506005-18	\$34,023.11
	201706	N-007022-00173437	VOUCHERS	NEUCO	U9224001-18	\$16,565.43
	201706	N-007022-00173437	VOUCHERS	NEUCO	U9224002-18	\$16,266.32
	201707	N-007022-00173437	VOUCHERS	AFTC INC	6331	\$384.00
	201707	N-007022-00173437	VOUCHERS	BANK AMER VISA	RIPLEY JUNE 2017	\$1,652.35

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201707	N-007022-00173437	VOUCHERS	CITY PORTS	06302017	\$420.00
	201707	N-007022-00173437	VOUCHERS	MATRIX CONCRETE	3925	\$9,850.00
	201707	N-007022-00173437	VOUCHERS	NEUCO	U1806003-18	\$14,470.23
	201707	N-007022-00173437	VOUCHERS	NEUCO	U1806006-18	\$35,804.25
	201707	N-007022-00173437	VOUCHERS	NEUCO	U3506003-18	\$17,339.42
	201707	N-007022-00173437	VOUCHERS	NEUCO	U3506006-18	\$31,004.68
	201707	N-007022-00173437	VOUCHERS	NEUCO	U3506007-18	\$16,683.85
	201707	N-007022-00173437	VOUCHERS	NEUCO	U3506010-18	\$244.00
	201707	N-007022-00173437	VOUCHERS	NEUCO	U9224003-18	\$45,930.65
	201707	N-007022-00173437	VOUCHERS	NEUCO	U9224004-18	\$49,234.63
	201712	N-007022-00173437	VOUCHERS	NEUCO	U1811007-19	\$6,054.62
40-805 Total						\$571,503.87
50-807						
	201704	N-007022-00173437	M/S STORES EXPENSE			\$3,319.68
	201705	N-007022-00173437	M/S STORES EXPENSE			\$1,473.48
	201706	N-007022-00173437	M/S STORES EXPENSE			\$9,288.33
	201707	N-007022-00173437	M/S STORES EXPENSE			(\$718.85)
	201708	N-007022-00173437	M/S STORES EXPENSE			(\$121.68)
	201710	N-007022-00173437	M/S STORES EXPENSE			(\$334.21)
	201712	N-007022-00173437	M/S STORES EXPENSE			(\$410.90)
50-807 Total						\$12,495.85
51-850						
	201704	N-007022-00173437	EXMPT STOCK EXPENSE			\$1,617.28
	201705	N-007022-00173437	EXMPT STOCK EXPENSE			\$717.84
	201706	N-007022-00173437	EXMPT STOCK EXPENSE			\$2,322.08
	201707	N-007022-00173437	EXMPT STOCK EXPENSE			(\$179.71)
	201708	N-007022-00173437	EXMPT STOCK EXPENSE			(\$30.42)
	201710	N-007022-00173437	EXMPT STOCK EXPENSE			(\$66.84)
	201712	N-007022-00173437	EXMPT STOCK EXPENSE			(\$16.44)
51-850 Total						\$4,363.79
55-857						
	201704	N-007022-00173437	EXEMPT STK STORES EXPENSE			\$630.74
	201705	N-007022-00173437	EXEMPT STK STORES EXPENSE			\$279.96
	201706	N-007022-00173437	EXEMPT STK STORES EXPENSE			\$1,393.25
	201707	N-007022-00173437	EXEMPT STK STORES EXPENSE			(\$107.83)
	201708	N-007022-00173437	EXEMPT STK STORES EXPENSE			(\$18.25)
	201710	N-007022-00173437	EXEMPT STK STORES EXPENSE			(\$16.71)
	201712	N-007022-00173437	EXEMPT STK STORES EXPENSE			(\$4.11)
55-857 Total						\$2,157.05
60-809						
	201705	N-007022-00173437	WORKERS COMP INS			\$8.09
	201706	N-007022-00173437	WORKERS COMP INS			\$40.53
	201707	N-007022-00173437	WORKERS COMP INS			\$15.04
60-809 Total						\$63.66

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-815						
	201705	N-007022-00173437	MEDICAL COSTS CAP.			\$91.36
	201706	N-007022-00173437	MEDICAL COSTS CAP.			\$324.21
	201707	N-007022-00173437	MEDICAL COSTS CAP.			\$180.40
60-815 Total						\$595.97
60-816						
	201705	N-007022-00173437	401K COSTS CAP.			\$18.43
	201706	N-007022-00173437	401K COSTS CAP.			\$40.45
	201707	N-007022-00173437	401K COSTS CAP.			\$15.00
60-816 Total						\$73.88
60-817						
	201705	N-007022-00173437	PBOP COSTS CAP.			\$80.50
	201706	N-007022-00173437	PBOP COSTS CAP.			\$194.53
	201707	N-007022-00173437	PBOP COSTS CAP.			\$72.15
60-817 Total						\$347.18
70-811						
	201704	N-007022-00173437	CONST E&O OVERHEADS			\$13,323.02
	201705	N-007022-00173437	CONST E&O OVERHEADS			\$50,610.28
	201706	N-007022-00173437	CONST E&O OVERHEADS			\$122,724.30
	201707	N-007022-00173437	CONST E&O OVERHEADS			\$104,919.10
	201708	N-007022-00173437	CONST E&O OVERHEADS			(\$176.73)
	201710	N-007022-00173437	CONST E&O OVERHEADS			(\$736.91)
	201712	N-007022-00173437	CONST E&O OVERHEADS			(\$58,016.48)
70-811 Total						\$232,646.58
70-813						
	201704	N-007022-00173437	CONST OHDS CAP			\$2,300.72
	201705	N-007022-00173437	CONST OHDS CAP			\$8,739.76
	201706	N-007022-00173437	CONST OHDS CAP			\$21,192.96
	201707	N-007022-00173437	CONST OHDS CAP			\$18,118.22
	201708	N-007022-00173437	CONST OHDS CAP			(\$30.52)
	201710	N-007022-00173437	CONST OHDS CAP			(\$82.22)
	201712	N-007022-00173437	CONST OHDS CAP			(\$10,047.79)
70-813 Total						\$40,191.13
80-814						
	201705	N-007022-00173437	SMALL TOOLS			\$25.56
	201706	N-007022-00173437	SMALL TOOLS			\$40.53
	201707	N-007022-00173437	SMALL TOOLS			\$9.02
80-814 Total						\$75.11
90-822						
	201704	N-007022-00173437	INTEREST CAPITALIZED			\$34.41
	201705	N-007022-00173437	INTEREST CAPITALIZED			\$190.14
	201706	N-007022-00173437	INTEREST CAPITALIZED			\$608.32
	201707	N-007022-00173437	INTEREST CAPITALIZED			\$1,153.69
	201708	N-007022-00173437	INTEREST CAPITALIZED			\$1,401.71
	201710	N-007022-00173437	INTEREST CAPITALIZED			\$1,399.03

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201712	N-007022-00173437	INTEREST CAPITALIZED			\$650.51
90-822 Total						\$5,437.81
90-866						
	201705	N-007022-00173437	PAYROLL TAXES CAP.			\$33.62
	201706	N-007022-00173437	PAYROLL TAXES CAP.			\$73.75
	201707	N-007022-00173437	PAYROLL TAXES CAP.			\$27.36
90-866 Total						\$134.73
90-867						
	201705	N-007022-00173437	PENSION COST CAP.			\$51.65
	201706	N-007022-00173437	PENSION COST CAP.			\$113.32
	201707	N-007022-00173437	PENSION COST CAP.			\$42.03
90-867 Total						\$207.00
95-865						
	201712	N-007022-00173437	MISC PLANT ADJUSTMENT			(\$57,192.31)
95-865 Total						(\$57,192.31)
K7-804						
	201706	N-007022-00173437	ISSUE REVERSAL			(\$15.24)
	201707	N-007022-00173437	ISSUE REVERSAL			(\$2,246.38)
	201708	N-007022-00173437	ISSUE REVERSAL			(\$410.67)
	201710	N-007022-00173437	ISSUE REVERSAL			(\$1,336.78)
	201712	N-007022-00173437	ISSUE REVERSAL			(\$6,332.21)
K7-804 Total						(\$10,341.28)
						\$838,595.26

2/14/2017

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Northern NH Construction Authorization			AUTH: 007023 Date: 2/3/2017 Budgeted Amount: \$2,181,508.00	
Budget Item No: JAB02 Budget Year: 2017 Description: Indian Ridge Rochester NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 2/3/2017 10:53:12 AM Initiated By: Johnson, Philip Finalized Date: 2/14/2017 8:43:21 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/7/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$88,514.00
2/7/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
2/7/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$88,514.00
2/10/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
2/10/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
2/10/2017	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$88,514.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 1,125' of 2" IPS HDPE IP main extension and (9) 1/14" IPS HDPE IP services from the existing 4" HDPE-IP main in Rochester Hill Rd.. This will include a total of (40) meters.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 50071.				
Total 2017 Budget: \$2,181,500 Total Authorization to date: \$1,297,121 Total Net This Authorization: \$88,514 Remaining Budget: \$795,865				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00173438		Indian Ridge Rochester NH	\$88,514.00	
Total			\$88,514.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201702	N-007023-00173438	M&S ISSUE			\$849.15
	201703	N-007023-00173438	M&S ISSUE			\$5,596.87
	201706	N-007023-00173438	M&S ISSUE			\$669.97
	201801	N-007023-00173438	M&S ISSUE			\$207.25
27-804 Total						\$7,323.24
40-805						
	201703	N-007023-00173438	VOUCHERS	NEUCO	U6102002-18	\$2,787.92
	201703	N-007023-00173438	VOUCHERS	NEUCO	U9202010-18	\$6,501.14
	201703	N-007023-00173438	VOUCHERS	NEUCO	U9202012-18	\$3,250.57
	201703	N-007023-00173438	VOUCHERS	NEUCO	U9203004-18	\$1,393.96
	201707	N-007023-00173438	VOUCHERS	NEUCO	U9206002-18	\$3,830.80
40-805 Total						\$17,764.39
50-807						
	201702	N-007023-00173438	M/S STORES EXPENSE			\$331.18
	201703	N-007023-00173438	M/S STORES EXPENSE			\$1,844.95
	201706	N-007023-00173438	M/S STORES EXPENSE			\$401.99
	201801	N-007023-00173438	M/S STORES EXPENSE			(\$1,448.96)
50-807 Total						\$1,129.16
51-850						
	201702	N-007023-00173438	EXMPT STOCK EXPENSE			\$161.34
	201703	N-007023-00173438	EXMPT STOCK EXPENSE			\$898.83
	201706	N-007023-00173438	EXMPT STOCK EXPENSE			\$100.50
	201801	N-007023-00173438	EXMPT STOCK EXPENSE			(\$470.91)
51-850 Total						\$689.76
55-857						
	201702	N-007023-00173438	EXEMPT STK STORES EXPENSE			\$62.92
	201703	N-007023-00173438	EXEMPT STK STORES EXPENSE			\$350.54
	201706	N-007023-00173438	EXEMPT STK STORES EXPENSE			\$60.30
	201801	N-007023-00173438	EXEMPT STK STORES EXPENSE			(\$188.36)
55-857 Total						\$285.40
70-811						
	201702	N-007023-00173438	CONST E&O OVERHEADS			\$665.21
	201703	N-007023-00173438	CONST E&O OVERHEADS			\$10,304.87
	201706	N-007023-00173438	CONST E&O OVERHEADS			\$583.84
	201707	N-007023-00173438	CONST E&O OVERHEADS			\$1,814.27
	201801	N-007023-00173438	CONST E&O OVERHEADS			(\$2,418.32)
70-811 Total						\$10,949.87
70-813						
	201702	N-007023-00173438	CONST OHDS CAP			\$114.87
	201703	N-007023-00173438	CONST OHDS CAP			\$1,779.52
	201706	N-007023-00173438	CONST OHDS CAP			\$100.82
	201707	N-007023-00173438	CONST OHDS CAP			\$313.30

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201801	N-007023-00173438	CONST OHDS CAP			(\$343.07)
70-813 Total						\$1,965.44
90-822						
	201702	N-007023-00173438	INTEREST CAPITALIZED			\$1.86
	201703	N-007023-00173438	INTEREST CAPITALIZED			\$32.48
	201706	N-007023-00173438	INTEREST CAPITALIZED			\$62.88
	201707	N-007023-00173438	INTEREST CAPITALIZED			\$69.57
90-822 Total						\$166.79
K7-804						
	201703	N-007023-00173438	ISSUE REVERSAL			(\$866.18)
	201801	N-007023-00173438	ISSUE REVERSAL			(\$3,829.64)
K7-804 Total						(\$4,695.82)
						\$35,578.23

3/15/2017

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Northern NH Construction Authorization			AUTH: 007042 Date: 3/8/2017 Budgeted Amount: \$2,181,508.00	
Budget Item No: JAB03 Budget Year: 2017 Description: Gas main extensions <\$30K Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 3/8/2017 2:57:12 PM Initiated By: Johnson, Philip Finalized Date: 3/15/2017 9:38:17 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/10/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$250,000.00
3/10/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
3/10/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$250,000.00
3/13/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
3/14/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
3/14/2017	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$250,000.00
DESCRIPTION/SCOPE				
This Authorization is for the installation of gas mains and services associated with the Company's system expansion initiative. The project(s) associated with this "blanket" authorization are smaller in scale and have an estimated per project total capital expenditure that is not expected to exceed \$30,000. Each of the project(s) associated with this Authorization will have an individual CWO assigned, which will correspond to specific G-Intake package. The authorized amount was derived using a historical trend analysis from 2015-2016. The 2017 projection is for 18 projects with an estimated expenditure of \$250,000.				
JUSTIFICATION				
These growth projects will be evaluated and approved for construction by Business Services in accordance with Unitil's Policies for the Installation of New Gas Service/Main Extension and Rate of Return Criteria. Total 2017 Budget: \$2,181,500 Total Authorization to date: \$1,385,635 Total Net This Authorization: \$250,000 Remaining Budget: \$545,865				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00173448		Gas main extensions <\$30K	\$250,000.00	
00173449		71 Brackett Rd Portsmouth NH	\$0.00	
Total			\$250,000.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201705	N-007042-00173459	M&S ISSUE			\$2,378.62
	201706	N-007042-00173459	M&S ISSUE			\$69.41
	201707	N-007042-00173459	M&S ISSUE			\$608.62
	201712	N-007042-00173459	M&S ISSUE			\$195.51
27-804 Total						\$3,252.16
40-805						
	201706	N-007042-00173459	VOUCHERS	NEUCO	U9205001-18	\$4,425.36
	201707	N-007042-00173459	VOUCHERS	NEUCO	U9224004-18	\$3,830.80
40-805 Total						\$8,256.16
50-807						
	201705	N-007042-00173459	M/S STORES EXPENSE			\$924.95
	201706	N-007042-00173459	M/S STORES EXPENSE			\$41.65
	201707	N-007042-00173459	M/S STORES EXPENSE			\$365.19
	201712	N-007042-00173459	M/S STORES EXPENSE			(\$181.56)
50-807 Total						\$1,150.23
51-850						
	201705	N-007042-00173459	EXMPT STOCK EXPENSE			\$450.62
	201706	N-007042-00173459	EXMPT STOCK EXPENSE			\$10.41
	201707	N-007042-00173459	EXMPT STOCK EXPENSE			\$91.29
	201712	N-007042-00173459	EXMPT STOCK EXPENSE			(\$7.26)
51-850 Total						\$545.06
55-857						
	201705	N-007042-00173459	EXEMPT STK STORES EXPENSE			\$175.74
	201706	N-007042-00173459	EXEMPT STK STORES EXPENSE			\$6.25
	201707	N-007042-00173459	EXEMPT STK STORES EXPENSE			\$54.77
	201712	N-007042-00173459	EXEMPT STK STORES EXPENSE			(\$1.82)
55-857 Total						\$234.94
70-811						
	201705	N-007042-00173459	CONST E&O OVERHEADS			\$1,857.94
	201706	N-007042-00173459	CONST E&O OVERHEADS			\$2,156.34
	201707	N-007042-00173459	CONST E&O OVERHEADS			\$2,344.64
	201712	N-007042-00173459	CONST E&O OVERHEADS			(\$26.75)
70-811 Total						\$6,332.17
70-813						
	201705	N-007042-00173459	CONST OHDS CAP			\$320.84
	201706	N-007042-00173459	CONST OHDS CAP			\$372.38
	201707	N-007042-00173459	CONST OHDS CAP			\$404.89
70-813 Total						\$1,098.11
90-822						
	201705	N-007042-00173459	INTEREST CAPITALIZED			\$5.19
	201706	N-007042-00173459	INTEREST CAPITALIZED			\$16.39
	201707	N-007042-00173459	INTEREST CAPITALIZED			\$28.96

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201712	N-007042-00173459	INTEREST CAPITALIZED			\$17.35
90-822 Total						<u>\$67.89</u>
K7-804						
	201705	N-007042-00173459	ISSUE REVERSAL			(\$6.91)
	201712	N-007042-00173459	ISSUE REVERSAL			(\$921.70)
K7-804 Total						<u>(\$928.61)</u>
						<u>\$20,008.11</u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201706	N-007042-00173465	M&S ISSUE			\$1,784.38
	201708	N-007042-00173465	M&S ISSUE			\$388.52
	201709	N-007042-00173465	M&S ISSUE			\$497.84
	201710	N-007042-00173465	M&S ISSUE			\$1,464.49
	201711	N-007042-00173465	M&S ISSUE			\$1,537.20
	201802	N-007042-00173465	M&S ISSUE			\$399.65
27-804 Total						\$6,072.08
40-805						
	201707	N-007042-00173465	VOUCHERS	NEUCO	U6906002-18	\$14,404.33
	201708	N-007042-00173465	VOUCHERS	NEUCO	U3207006-18	\$3,851.45
	201709	N-007042-00173465	VOUCHERS	NEUCO	UA308004-18	\$2,885.52
	201711	N-007042-00173465	VOUCHERS	NEUCO	U6910002-18	\$2,885.52
	201805	N-007042-00173465	VOUCHERS	NEUCO	U3207006-18	(\$3,851.45)
	201805	N-007042-00173465	VOUCHERS	NEUCO	U6910002-18	(\$2,885.52)
	201805	N-007042-00173465	VOUCHERS	NEUCO	UA308004-18	(\$2,885.52)
40-805 Total						\$14,404.33
50-807						
	201706	N-007042-00173465	M/S STORES EXPENSE			\$1,070.61
	201708	N-007042-00173465	M/S STORES EXPENSE			\$233.09
	201709	N-007042-00173465	M/S STORES EXPENSE			\$298.70
	201710	N-007042-00173465	M/S STORES EXPENSE			\$366.15
	201711	N-007042-00173465	M/S STORES EXPENSE			\$384.30
	201712	N-007042-00173465	M/S STORES EXPENSE			(\$384.30)
	201802	N-007042-00173465	M/S STORES EXPENSE			(\$350.77)
50-807 Total						\$1,617.78
51-850						
	201706	N-007042-00173465	EXMPT STOCK EXPENSE			\$267.66
	201708	N-007042-00173465	EXMPT STOCK EXPENSE			\$58.28
	201709	N-007042-00173465	EXMPT STOCK EXPENSE			\$74.68
	201710	N-007042-00173465	EXMPT STOCK EXPENSE			\$73.22
	201711	N-007042-00173465	EXMPT STOCK EXPENSE			\$15.37
	201712	N-007042-00173465	EXMPT STOCK EXPENSE			(\$15.37)
	201802	N-007042-00173465	EXMPT STOCK EXPENSE			(\$113.99)
51-850 Total						\$359.85
55-857						
	201706	N-007042-00173465	EXEMPT STK STORES EXPENSE			\$160.60
	201708	N-007042-00173465	EXEMPT STK STORES EXPENSE			\$34.97
	201709	N-007042-00173465	EXEMPT STK STORES EXPENSE			\$44.81
	201710	N-007042-00173465	EXEMPT STK STORES EXPENSE			\$18.31
	201711	N-007042-00173465	EXEMPT STK STORES EXPENSE			\$3.84
	201712	N-007042-00173465	EXEMPT STK STORES EXPENSE			(\$3.84)
	201802	N-007042-00173465	EXEMPT STK STORES EXPENSE			(\$45.60)
55-857 Total						\$213.09

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-811						
	201706	N-007042-00173465	CONST E&O OVERHEADS			\$1,554.95
	201707	N-007042-00173465	CONST E&O OVERHEADS			\$6,821.89
	201708	N-007042-00173465	CONST E&O OVERHEADS			\$2,162.61
	201709	N-007042-00173465	CONST E&O OVERHEADS			\$433.83
	201710	N-007042-00173465	CONST E&O OVERHEADS			\$807.31
	201711	N-007042-00173465	CONST E&O OVERHEADS			\$1,689.18
	201712	N-007042-00173465	CONST E&O OVERHEADS			(\$56.63)
	201802	N-007042-00173465	CONST E&O OVERHEADS			(\$585.40)
	201805	N-007042-00173465	CONST E&O OVERHEADS			(\$4,853.21)
70-811 Total						\$7,974.53
70-813						
	201706	N-007042-00173465	CONST OHDS CAP			\$268.52
	201707	N-007042-00173465	CONST OHDS CAP			\$1,178.05
	201708	N-007042-00173465	CONST OHDS CAP			\$373.46
	201709	N-007042-00173465	CONST OHDS CAP			\$74.92
	201710	N-007042-00173465	CONST OHDS CAP			\$90.07
	201711	N-007042-00173465	CONST OHDS CAP			\$215.01
	201802	N-007042-00173465	CONST OHDS CAP			(\$83.05)
	201805	N-007042-00173465	CONST OHDS CAP			(\$668.83)
70-813 Total						\$1,448.15
90-822						
	201706	N-007042-00173465	INTEREST CAPITALIZED			\$4.34
	201707	N-007042-00173465	INTEREST CAPITALIZED			\$27.73
	201708	N-007042-00173465	INTEREST CAPITALIZED			\$52.81
	201709	N-007042-00173465	INTEREST CAPITALIZED			\$62.51
	201710	N-007042-00173465	INTEREST CAPITALIZED			\$68.57
	201711	N-007042-00173465	INTEREST CAPITALIZED			\$76.68
	201712	N-007042-00173465	INTEREST CAPITALIZED			\$80.71
	201802	N-007042-00173465	INTEREST CAPITALIZED			\$49.99
90-822 Total						\$423.34
K7-804						
	201712	N-007042-00173465	ISSUE REVERSAL			(\$1,537.19)
	201802	N-007042-00173465	ISSUE REVERSAL			(\$1,276.49)
K7-804 Total						(\$2,813.68)
						\$29,699.47

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201710	N-007042-00173478	M&S ISSUE			\$2,632.52
	201801	N-007042-00173478	M&S ISSUE			\$325.00
	201802	N-007042-00173478	M&S ISSUE			\$443.75
27-804 Total						\$3,401.27
40-805						
	201710	N-007042-00173478	VOUCHERS	NEUCO	U9209004-18	\$8,850.72
	201712	N-007042-00173478	VOUCHERS	NEUCO	U7612002-19	\$4,715.11
40-805 Total						\$13,565.83
50-807						
	201710	N-007042-00173478	M/S STORES EXPENSE			\$658.17
	201801	N-007042-00173478	M/S STORES EXPENSE			(\$388.21)
	201802	N-007042-00173478	M/S STORES EXPENSE			\$63.72
50-807 Total						\$333.68
51-850						
	201710	N-007042-00173478	EXMPT STOCK EXPENSE			\$131.63
	201801	N-007042-00173478	EXMPT STOCK EXPENSE			(\$126.17)
	201802	N-007042-00173478	EXMPT STOCK EXPENSE			\$20.71
51-850 Total						\$26.17
55-857						
	201710	N-007042-00173478	EXEMPT STK STORES EXPENSE			\$32.91
	201801	N-007042-00173478	EXEMPT STK STORES EXPENSE			(\$50.47)
	201802	N-007042-00173478	EXEMPT STK STORES EXPENSE			\$8.28
55-857 Total						(\$9.28)
70-811						
	201710	N-007042-00173478	CONST E&O OVERHEADS			\$5,168.50
	201712	N-007042-00173478	CONST E&O OVERHEADS			\$137.59
	201801	N-007042-00173478	CONST E&O OVERHEADS			(\$647.95)
	201802	N-007042-00173478	CONST E&O OVERHEADS			\$106.36
70-811 Total						\$4,764.50
70-813						
	201710	N-007042-00173478	CONST OHDS CAP			\$576.65
	201801	N-007042-00173478	CONST OHDS CAP			(\$91.92)
	201802	N-007042-00173478	CONST OHDS CAP			\$15.09
70-813 Total						\$499.82
90-822						
	201710	N-007042-00173478	INTEREST CAPITALIZED			\$15.34
	201712	N-007042-00173478	INTEREST CAPITALIZED			\$34.81
	201801	N-007042-00173478	INTEREST CAPITALIZED			\$47.89
	201802	N-007042-00173478	INTEREST CAPITALIZED			\$22.90
90-822 Total						\$120.94
K7-804						
	201801	N-007042-00173478	ISSUE REVERSAL			(\$1,295.57)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201802	N-007042-00173478	ISSUE REVERSAL			(\$284.43)
K7-804 Total						(\$1,580.00)
						<u>\$21,122.93</u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201711	N-007042-00173483	M&S ISSUE			\$565.55
	201712	N-007042-00173483	M&S ISSUE			\$35.58
27-804 Total						\$601.13
40-805						
	201712	N-007042-00173483	VOUCHERS	NEUCO	U6911003-19	\$5,229.22
	201712	N-007042-00173483	VOUCHERS	NEUCO	U6911007-19	\$3,381.52
	201801	N-007042-00173483	VOUCHERS	NEUCO	U1801004-19	\$8,265.12
	201802	N-007042-00173483	VOUCHERS	NEUCO	U1801006-19	\$3,295.44
	201802	N-007042-00173483	VOUCHERS	NEUCO	U3211011-19	\$2,885.52
40-805 Total						\$23,056.82
50-807						
	201711	N-007042-00173483	M/S STORES EXPENSE			\$141.40
	201712	N-007042-00173483	M/S STORES EXPENSE			\$7.11
50-807 Total						\$148.51
51-850						
	201711	N-007042-00173483	EXMPT STOCK EXPENSE			\$5.66
	201712	N-007042-00173483	EXMPT STOCK EXPENSE			\$0.28
51-850 Total						\$5.94
55-857						
	201711	N-007042-00173483	EXEMPT STK STORES EXPENSE			\$1.42
	201712	N-007042-00173483	EXEMPT STK STORES EXPENSE			\$0.07
55-857 Total						\$1.49
70-811						
	201711	N-007042-00173483	CONST E&O OVERHEADS			\$249.91
	201712	N-007042-00173483	CONST E&O OVERHEADS			\$252.31
	201801	N-007042-00173483	CONST E&O OVERHEADS			\$3,487.88
	201802	N-007042-00173483	CONST E&O OVERHEADS			\$2,608.37
70-811 Total						\$6,598.47
70-813						
	201711	N-007042-00173483	CONST OHDS CAP			\$31.81
	201801	N-007042-00173483	CONST OHDS CAP			\$494.80
	201802	N-007042-00173483	CONST OHDS CAP			\$370.03
70-813 Total						\$896.64
90-822						
	201801	N-007042-00173483	INTEREST CAPITALIZED			\$18.41
	201802	N-007042-00173483	INTEREST CAPITALIZED			\$20.98
90-822 Total						\$39.39
90-848						
	201710	N-007042-00173483	SUNDRY REVENUE			(\$7,651.00)
90-848 Total						(\$7,651.00)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201712	N-007042-00173483	ISSUE REVERSAL			(\$7.17)
K7-804 Total						(\$7.17)
						\$23,690.22

12/13/2017

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Northern NH Construction Authorization			AUTH: 007051 Date: 11/27/2017 Budgeted Amount: \$2,181,508.00
Budget Item No: JAB04 Budget Year: 2017 Description: 77 Farmington Rd Rochester NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:		Type: Revision Sequence: 2 Status: Completed Initiated Date: 11/27/2017 7:57:31 AM Initiated By: Johnson, Philip Finalized Date: 12/13/2017 3:49:54 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY
Action Date	Approved	Approver/Title	Description Amount
11/27/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost: \$117,940.00
11/27/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution: \$0.00
11/27/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost: \$117,940.00
11/29/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement: \$0.00
12/12/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal: \$0.00
12/12/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage: \$0.00
12/12/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total: \$117,940.00
12/12/2017	YES	Meissner, Thomas <i>SVP And COO</i>	
12/13/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>	
DESCRIPTION/SCOPE			
This Authorization will cover the cost associated with Directional drill of 150 of 8" HDPE in a 12" sleeve across Farmington Rd in Rochester, this will supply a 450' 2" HDPE commercial service, and (1) 3M meter. The local engineering department has reviewed and approved this project. Gas Engineering recommends crossing Route 11 at this location with an 8" IPS HDPE IP main extension in a 12" HDPE casing via horizontal directional drill instead of a 2" IPS HDPE IP service in a 6" HDPE casing via HDD in order to continue supply north on Route 11 towards Farmington. The customer should only be billed for the 2" IPS HDPE IP service with a 6" HDPE casing drilled across the road required to reach their building. June 23, 2017 Tim Patterson Revision 1 This project incurred additional costs due to a scope change. (see justification below)			
JUSTIFICATION			
Revision 1: This growth project has incurred additional costs due to the inability to directionally drill the State Rd due to solid ledge. There were three separate attempts made in different locations, along with the cost of three crew days to assist drilling crews and traffic detail. Unitil needed to reapply for a new State permit to open cut the road in another location and open trench to the commercial customer. There is no additional CIAC required per sales management Total additional projected cost: \$39,606 This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 52547. Total 2017 Budget: \$2,181,500 Total Authorization to date: \$4,111,204 Total Net This Authorization: \$42,700 Remaining Budget: \$- 1,982,915 Revision cost: \$39,606 Remaining Budget: \$- 2,022,521			
NOTES			
AUTHORIZATION COMMENTS			
CWO Summary			
CWO	Description		Amount
00173468	77 Farmington Rd Rochester NH		\$117,940.00

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12/13/2017 webops.unitil.com/budget/auth_print.asp?mode=start&set=blank&auth_id=6793

	Total	\$117,940.00
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7/28/2017

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Northern NH Construction Authorization			AUTH: 007051 Date: 7/13/2017 Budgeted Amount: \$2,181,508.00	
Budget Item No: JAB04 Budget Year: 2017 Description: 77 Farmington Rd Rochester NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 7/13/2017 9:08:01 AM Initiated By: Johnson, Philip Finalized Date: 7/28/2017 11:41:13 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/18/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$78,334.00
7/18/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
7/24/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$78,334.00
7/27/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
7/27/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
7/27/2017	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$78,334.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with Directional drill of 150 of 8" HDPE in a 12" sleeve across Farmington Rd in Rochester, this will supply a 450' 2" HDPE commercial service, and (1) 3M meter. The local engineering department has reviewed and approved this project. Gas Engineering recommends crossing Route 11 at this location with an 8" IPS HDPE IP main extension in a 12" HDPE casing via horizontal directional drill instead of a 2" IPS HDPE IP service in a 6" HDPE casing via HDD in order to continue supply north on Route 11 towards Farmington. The customer should only be billed for the 2" IPS HDPE IP service with a 6" HDPE casing drilled across the road required to reach their building. June 23, 2017 Tim Patterson				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unifil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 52547. Total 2017 Budget: \$2,181,500 Total Authorization to date: \$1,635,635 Total Net This Authorization: \$78,334 Remaining Budget: \$467,531				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00173468		77 Farmington Rd Rochester NH	\$78,334.00	
		Total	\$78,334.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201710	N-007051-00173468	M&S ISSUE			\$6,325.01
	201712	N-007051-00173468	M&S ISSUE			\$1,872.19
	201802	N-007051-00173468	M&S ISSUE			\$819.47
27-804 Total						\$9,016.67
40-805						
	201710	N-007051-00173468	VOUCHERS	NEUCO	U9510002-18	\$4,930.58
	201710	N-007051-00173468	VOUCHERS	NEUCO	UA309008-18	\$5,034.51
	201710	N-007051-00173468	VOUCHERS	NEUCO	UA309011-18	\$5,040.00
	201711	N-007051-00173468	VOUCHERS	NEUCO	U9710005-18	\$4,745.20
	201711	N-007051-00173468	VOUCHERS	NEUCO	U9710007-18	\$5,040.00
	201711	N-007051-00173468	VOUCHERS	NEUCO	UA310003-18	\$778.00
	201712	N-007051-00173468	VOUCHERS	NEUCO	U7612005-19	\$5,850.86
	201712	N-007051-00173468	VOUCHERS	NEUCO	U9711008-19	\$12,697.66
	201712	N-007051-00173468	VOUCHERS	NEUCO	U97112001-19	\$42,448.28
	201712	N-007051-00173468	VOUCHERS	NEUCO	U9712002-19	\$4,831.36
	201712	N-007051-00173468	VOUCHERS	NEUCO	U9712004-19	\$233.00
40-805 Total						\$91,629.45
50-807						
	201710	N-007051-00173468	M/S STORES EXPENSE			\$1,563.22
	201712	N-007051-00173468	M/S STORES EXPENSE			\$468.06
	201802	N-007051-00173468	M/S STORES EXPENSE			(\$169.49)
50-807 Total						\$1,861.79
51-850						
	201710	N-007051-00173468	EXMPT STOCK EXPENSE			\$312.64
	201712	N-007051-00173468	EXMPT STOCK EXPENSE			\$18.72
	201802	N-007051-00173468	EXMPT STOCK EXPENSE			(\$55.09)
51-850 Total						\$276.27
55-857						
	201710	N-007051-00173468	EXEMPT STK STORES EXPENSE			\$78.16
	201712	N-007051-00173468	EXEMPT STK STORES EXPENSE			\$4.68
	201802	N-007051-00173468	EXEMPT STK STORES EXPENSE			(\$22.04)
55-857 Total						\$60.80
70-811						
	201710	N-007051-00173468	CONST E&O OVERHEADS			\$9,749.02
	201711	N-007051-00173468	CONST E&O OVERHEADS			\$3,697.12
	201712	N-007051-00173468	CONST E&O OVERHEADS			\$1,996.63
	201802	N-007051-00173468	CONST E&O OVERHEADS			(\$282.90)
70-811 Total						\$15,159.87
70-813						
	201710	N-007051-00173468	CONST OHDS CAP			\$1,087.71
	201711	N-007051-00173468	CONST OHDS CAP			\$470.59
	201802	N-007051-00173468	CONST OHDS CAP			(\$40.13)
70-813 Total						\$1,518.17

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201710	N-007051-00173468	INTEREST CAPITALIZED			\$28.94
	201711	N-007051-00173468	INTEREST CAPITALIZED			\$70.40
	201712	N-007051-00173468	INTEREST CAPITALIZED			\$142.78
	201801	N-007051-00173468	INTEREST CAPITALIZED			(\$71.39)
90-822 Total						\$170.73
K7-804						
	201710	N-007051-00173468	ISSUE REVERSAL			(\$72.18)
	201802	N-007051-00173468	ISSUE REVERSAL			(\$1,243.22)
K7-804 Total						(\$1,315.40)
						\$118,378.35

8/28/2017

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Northern NH Construction Authorization			AUTH: 007052 Date: 8/16/2017 Budgeted Amount: \$2,181,508.00	
Budget Item No: JAB05 Budget Year: 2017 Description: Tuscan Village Project/Pleasant St Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 8/16/2017 10:53:22 AM Initiated By: Johnson, Philip Finalized Date: 8/28/2017 11:09:11 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/18/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$1,006,455.00
8/18/2017	YES	Northrup, Tressa <i>Utility Acctg And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
8/18/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$1,006,455.00
8/18/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
8/21/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
8/21/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
8/21/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$1,006,455.00
8/23/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
8/23/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
8/25/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 6000' of 6" HDPE main in Pleasant St and Mall Rd, 1600' of 4" IPS HDPE on Market St and North Village Way, 1000 feet of 2" IPS HDPE to supply various townhouses. (26) 150 foot 1 1/4" CTS HDPE IP services for townhouses (8) 100 foot 2" IPS HDPE IP services for apartment buildings (1) 1 1/4" CTS HDPE IP service for car dealership (1) 2" IPS HDPE IP service for supermarket (8) 150 foot 1 1/4" CTS HDPE IP services for various commercial buildings. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 49179. Total 2017 Budget: \$2,181,500 Total Authorization to date: \$2,076,913 Total Net This Authorization: \$1,006,455 Remaining Budget: \$- 901,868				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00173469		Tuscan Village Project/Pleasant St	\$1,006,455.00	
		Total	\$1,006,455.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201805	N-007052-00173469	PAYROLL-ST			\$148.64
10-800 Total						\$148.64
10-803						
	201805	N-007052-00173469	PAYROLL-OT			\$111.48
10-803 Total						\$111.48
27-804						
	201709	N-007052-00173469	M&S ISSUE			\$13,887.03
	201710	N-007052-00173469	M&S ISSUE			\$37,836.82
	201711	N-007052-00173469	M&S ISSUE			\$5,378.39
	201712	N-007052-00173469	M&S ISSUE			\$7,831.72
	201801	N-007052-00173469	M&S ISSUE			\$3,977.54
	201802	N-007052-00173469	M&S ISSUE			\$3,150.29
	201804	N-007052-00173469	M&S ISSUE			\$161.86
	201805	N-007052-00173469	M&S ISSUE			\$2,020.45
	201806	N-007052-00173469	M&S ISSUE			\$342.15
	201808	N-007052-00173469	M&S ISSUE			\$7,574.83
	201809	N-007052-00173469	M&S ISSUE			\$2,927.96
	201810	N-007052-00173469	M&S ISSUE			\$32,951.93
	201811	N-007052-00173469	M&S ISSUE			\$8,806.37
	201812	N-007052-00173469	M&S ISSUE			\$1,592.27
	201901	N-007052-00173469	M&S ISSUE			\$1,901.55
27-804 Total						\$130,341.16
30-820						
	201805	N-007052-00173469	TRANSPORTATION JE			\$150.00
30-820 Total						\$150.00
40-805						
	201709	N-007052-00173469	VOUCHERS	NEUCO	U1822001-18	\$34,772.79
	201709	N-007052-00173469	VOUCHERS	NEUCO	U1822002-18	\$36,536.28
	201709	N-007052-00173469	VOUCHERS	NEUCO	U1822003-18	\$28,257.60
	201709	N-007052-00173469	VOUCHERS	NEUCO	U1822011-18	\$256.00
	201709	N-007052-00173469	VOUCHERS	NEUCO	U9709001-18	\$7,479.05
	201710	N-007052-00173469	VOUCHERS	NEUCO	U1810002-18	\$3,830.80
	201710	N-007052-00173469	VOUCHERS	NEUCO	U3210003-18	\$4,836.16
	201710	N-007052-00173469	VOUCHERS	NEUCO	UA309002-18	\$10,559.54
	201710	N-007052-00173469	VOUCHERS	NEUCO	UA309006-18	\$1,750.50
	201710	N-007052-00173469	VOUCHERS	NEUCO	UA309013-18	\$3,364.37
	201710	N-007052-00173469	VOUCHERS	NEUCO	UA310001-18	\$10,571.96
	201711	N-007052-00173469	VOUCHERS	NEUCO	UA310002-18	\$14,402.76
	201711	N-007052-00173469	VOUCHERS	NEUCO	UA310004-18	\$13,246.15
	201711	N-007052-00173469	VOUCHERS	NEUCO	UA310007-18	\$2,885.52
	201711	N-007052-00173469	VOUCHERS	NEUCO	UA310008-18	\$8,650.35
	201712	N-007052-00173469	VOUCHERS	NEUCO	U3211007-19	\$4,219.25
	201712	N-007052-00173469	VOUCHERS	NEUCO	U4811010-19	\$2,885.52
	201712	N-007052-00173469	VOUCHERS	NEUCO	UA311003-19	\$8,656.56
	201712	N-007052-00173469	VOUCHERS	NEUCO	UA311004-19	\$2,885.52

NU Cost Record						
Unitil						
Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201712	N-007052-00173469	VOUCHERS	NEUCO	UA311005-19	\$3,833.75
	201712	N-007052-00173469	VOUCHERS	NEUCO	UA311007-19	\$22,063.50
	201712	N-007052-00173469	VOUCHERS	NEUCO	UA311008-19	\$13,432.64
	201712	N-007052-00173469	VOUCHERS	NEUCO	UA312003-19	\$12,512.48
	201801	N-007052-00173469	VOUCHERS	NEUCO	U1801002-19	\$6,180.96
	201801	N-007052-00173469	VOUCHERS	NEUCO	U4812005-19	\$3,693.44
	201801	N-007052-00173469	VOUCHERS	NEUCO	U9212001-19	\$6,590.88
	201801	N-007052-00173469	VOUCHERS	NEUCO	UA312005-19	\$11,542.08
	201801	N-007052-00173469	VOUCHERS	PAVEMENT MAINT	104894	\$2,800.00
	201801	N-007052-00173469	VOUCHERS	PAVEMENT MAINT	104895	\$1,400.00
	201803	N-007052-00173469	VOUCHERS	NEUCO	U3202002-19	\$5,850.01
	201803	N-007052-00173469	VOUCHERS	NEUCO	U3202005-19	\$2,885.52
	201805	N-007052-00173469	VOUCHERS	NEUCO	U3205003-19	\$1,853.05
	201805	N-007052-00173469	VOUCHERS	NEUCO	U3504001-19	\$40,955.25
	201806	N-007052-00173469	VOUCHERS	NEUCO	U3205005-19	\$3,456.90
	201806	N-007052-00173469	VOUCHERS	NEUCO	UA305008-19	\$7,397.80
	201808	N-007052-00173469	VOUCHERS	NEUCO	UA308001-19	\$8,175.92
	201808	N-007052-00173469	VOUCHERS	NEUCO	UA308005-19	\$3,936.16
	201808	N-007052-00173469	VOUCHERS	NEUCO	UA307006-19	\$2,608.44
	201808	N-007052-00173469	VOUCHERS	NEUCO	UA307010-19	\$978.50
	201808	N-007052-00173469	VOUCHERS	NEUCO	UA307012-19	\$10,169.46
	201808	N-007052-00173469	VOUCHERS	NEUCO	UA307013-19	\$10,357.94
	201809	N-007052-00173469	VOUCHERS	NEUCO	UA308008-19	\$3,948.92
	201810	N-007052-00173469	VOUCHERS	INDEPEND PIPE	727659	\$507.48
	201810	N-007052-00173469	VOUCHERS	NEUCO	U3209004-19	\$2,964.88
	201810	N-007052-00173469	VOUCHERS	NEUCO	U3209006-19	\$741.22
	201810	N-007052-00173469	VOUCHERS	NEUCO	U3209009-19	\$2,223.66
	201810	N-007052-00173469	VOUCHERS	NEUCO	UA311006-19	\$3,843.22
	201810	N-007052-00173469	VOUCHERS	NEUCO	UA311009-19	\$7,473.08
	201810	N-007052-00173469	VOUCHERS	NEUCO	UA312001-19	\$1,566.04
	201810	N-007052-00173469	VOUCHERS	TREAS SALEM NH	11849	\$247.50
	201811	N-007052-00173469	VOUCHERS	NEUCO	U3210006-19	\$1,693.04
	201811	N-007052-00173469	VOUCHERS	NEUCO	U35C9001-19	\$33,761.18
	201811	N-007052-00173469	VOUCHERS	NEUCO	U35C9002-19	\$36,435.89
	201811	N-007052-00173469	VOUCHERS	NEUCO	U35C9003-19	\$10,621.65
	201811	N-007052-00173469	VOUCHERS	NEUCO	U35C9004-19	\$9,479.49
	201811	N-007052-00173469	VOUCHERS	TREAS SALEM NH	12810	\$320.00
	201812	N-007052-00173469	VOUCHERS	JDH INSPECTION	18-0882	\$2,624.00
	201812	N-007052-00173469	VOUCHERS	NEUCO	U35C9006-19	\$40,558.12
	201812	N-007052-00173469	VOUCHERS	NEUCO	U35C9007-19	\$3,898.08
	201812	N-007052-00173469	VOUCHERS	NEUCO	U35C9008-019	\$5,607.25
	201812	N-007052-00173469	VOUCHERS	NEUCO	U35C905-019	\$6,437.41
40-805 Total						\$557,673.47
50-807						
	201709	N-007052-00173469	M/S STORES EXPENSE			\$3,471.78
	201710	N-007052-00173469	M/S STORES EXPENSE			\$9,459.24

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
50-807						
	201711	N-007052-00173469	M/S STORES EXPENSE			\$1,216.59
	201712	N-007052-00173469	M/S STORES EXPENSE			\$1,957.96
	201801	N-007052-00173469	M/S STORES EXPENSE			\$1,389.08
	201802	N-007052-00173469	M/S STORES EXPENSE			\$1,260.11
	201804	N-007052-00173469	M/S STORES EXPENSE			\$105.21
	201805	N-007052-00173469	M/S STORES EXPENSE			\$1,313.30
	201806	N-007052-00173469	M/S STORES EXPENSE			\$222.40
	201808	N-007052-00173469	M/S STORES EXPENSE			\$4,659.51
	201809	N-007052-00173469	M/S STORES EXPENSE			\$1,903.17
	201810	N-007052-00173469	M/S STORES EXPENSE			\$1,366.76
	201811	N-007052-00173469	M/S STORES EXPENSE			\$1,761.30
	201812	N-007052-00173469	M/S STORES EXPENSE			(\$15.91)
	201901	N-007052-00173469	M/S STORES EXPENSE			(\$7,301.00)
50-807 Total						\$22,769.50
51-850						
	201709	N-007052-00173469	EXMPT STOCK EXPENSE			\$694.35
	201710	N-007052-00173469	EXMPT STOCK EXPENSE			\$1,891.84
	201711	N-007052-00173469	EXMPT STOCK EXPENSE			\$48.66
	201712	N-007052-00173469	EXMPT STOCK EXPENSE			\$78.32
	201801	N-007052-00173469	EXMPT STOCK EXPENSE			\$451.45
	201802	N-007052-00173469	EXMPT STOCK EXPENSE			\$409.54
	201804	N-007052-00173469	EXMPT STOCK EXPENSE			\$48.56
	201805	N-007052-00173469	EXMPT STOCK EXPENSE			\$606.14
	201806	N-007052-00173469	EXMPT STOCK EXPENSE			\$102.65
	201808	N-007052-00173469	EXMPT STOCK EXPENSE			\$1,792.12
	201809	N-007052-00173469	EXMPT STOCK EXPENSE			\$731.99
	201810	N-007052-00173469	EXMPT STOCK EXPENSE			(\$785.83)
	201811	N-007052-00173469	EXMPT STOCK EXPENSE			\$440.32
	201812	N-007052-00173469	EXMPT STOCK EXPENSE			(\$3.98)
	201901	N-007052-00173469	EXMPT STOCK EXPENSE			(\$2,737.88)
51-850 Total						\$3,768.25
55-857						
	201709	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$173.59
	201710	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$472.96
	201711	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$12.17
	201712	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$19.58
	201801	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$180.58
	201802	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$163.82
	201804	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$31.56
	201805	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$393.99
	201806	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$66.72
	201808	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$1,164.88
	201809	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$475.79
	201810	N-007052-00173469	EXEMPT STK STORES EXPENSE			(\$471.72)
	201811	N-007052-00173469	EXEMPT STK STORES EXPENSE			\$88.06
	201812	N-007052-00173469	EXEMPT STK STORES EXPENSE			(\$0.80)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
55-857						
	201901	N-007052-00173469	EXEMPT STK STORES EXPENSE			(\$1,314.18)
55-857 Total						\$1,457.00
60-809						
	201805	N-007052-00173469	WORKERS COMP INS			\$7.49
60-809 Total						\$7.49
60-815						
	201805	N-007052-00173469	MEDICAL COSTS CAP.			\$75.10
60-815 Total						\$75.10
60-816						
	201805	N-007052-00173469	401K COSTS CAP.			\$13.58
60-816 Total						\$13.58
60-817						
	201805	N-007052-00173469	PBOP COSTS CAP.			\$25.21
60-817 Total						\$25.21
70-811						
	201709	N-007052-00173469	CONST E&O OVERHEADS			\$52,721.96
	201710	N-007052-00173469	CONST E&O OVERHEADS			\$35,521.16
	201711	N-007052-00173469	CONST E&O OVERHEADS			\$15,864.95
	201712	N-007052-00173469	CONST E&O OVERHEADS			\$2,345.40
	201801	N-007052-00173469	CONST E&O OVERHEADS			\$15,909.91
	201802	N-007052-00173469	CONST E&O OVERHEADS			\$2,103.15
	201803	N-007052-00173469	CONST E&O OVERHEADS			\$3,686.39
	201804	N-007052-00173469	CONST E&O OVERHEADS			\$146.51
	201805	N-007052-00173469	CONST E&O OVERHEADS			\$20,143.83
	201806	N-007052-00173469	CONST E&O OVERHEADS			\$4,890.39
	201808	N-007052-00173469	CONST E&O OVERHEADS			\$21,934.90
	201809	N-007052-00173469	CONST E&O OVERHEADS			\$4,294.77
	201810	N-007052-00173469	CONST E&O OVERHEADS			\$5,232.08
	201811	N-007052-00173469	CONST E&O OVERHEADS			\$25,851.82
	201812	N-007052-00173469	CONST E&O OVERHEADS			\$3,771.67
	201901	N-007052-00173469	CONST E&O OVERHEADS			(\$8,391.41)
70-811 Total						\$206,027.48
70-813						
	201709	N-007052-00173469	CONST OHDS CAP			\$5,882.27
	201710	N-007052-00173469	CONST OHDS CAP			\$3,963.15
	201711	N-007052-00173469	CONST OHDS CAP			\$2,019.38
	201801	N-007052-00173469	CONST OHDS CAP			\$2,257.03
	201802	N-007052-00173469	CONST OHDS CAP			\$298.36
	201803	N-007052-00173469	CONST OHDS CAP			\$522.97
	201804	N-007052-00173469	CONST OHDS CAP			\$20.78
	201805	N-007052-00173469	CONST OHDS CAP			\$2,857.67
	201806	N-007052-00173469	CONST OHDS CAP			\$693.76
	201808	N-007052-00173469	CONST OHDS CAP			\$4,376.78
	201809	N-007052-00173469	CONST OHDS CAP			\$856.96

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201810	N-007052-00173469	CONST OHDS CAP			\$938.18
	201811	N-007052-00173469	CONST OHDS CAP			\$5,558.14
	201812	N-007052-00173469	CONST OHDS CAP			\$4,942.70
	201901	N-007052-00173469	CONST OHDS CAP			(\$1,628.90)
70-813 Total						\$33,559.23
80-814						
	201805	N-007052-00173469	SMALL TOOLS			\$15.61
80-814 Total						\$15.61
90-822						
	201709	N-007052-00173469	INTEREST CAPITALIZED			\$156.51
	201710	N-007052-00173469	INTEREST CAPITALIZED			\$418.48
	201711	N-007052-00173469	INTEREST CAPITALIZED			\$577.66
	201712	N-007052-00173469	INTEREST CAPITALIZED			\$700.87
	201801	N-007052-00173469	INTEREST CAPITALIZED			(\$350.44)
90-822 Total						\$1,503.08
90-848						
	201712	N-007052-00173469	SUNDRY REVENUE			(\$972.50)
90-848 Total						(\$972.50)
90-866						
	201805	N-007052-00173469	PAYROLL TAXES CAP.			\$23.93
90-866 Total						\$23.93
90-867						
	201805	N-007052-00173469	PENSION COST CAP.			\$20.99
90-867 Total						\$20.99
95-865						
	201812	N-007052-00173469	MISC PLANT ADJUSTMENT			\$2,614.12
95-865 Total						\$2,614.12
K7-804						
	201711	N-007052-00173469	ISSUE REVERSAL			(\$512.14)
	201801	N-007052-00173469	ISSUE REVERSAL			(\$504.82)
	201808	N-007052-00173469	ISSUE REVERSAL			(\$406.36)
	201810	N-007052-00173469	ISSUE REVERSAL			(\$16,975.38)
	201812	N-007052-00173469	ISSUE REVERSAL			(\$1,671.85)
	201901	N-007052-00173469	ISSUE REVERSAL			(\$17,111.98)
K7-804 Total						(\$37,182.53)
						\$922,150.29

Northern NH Construction Authorization			AUTH: 007056 Date: 8/1/2017 Budgeted Amount: \$2,181,508.00	
Budget Item No: JAB06 Budget Year: 2017 Description: Stonebridge Estates Salem NH Project Supervisor: Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 8/1/2017 11:15:16 AM Initiated By: Johnson, Philip Finalized Date: 8/18/2017 10:51:49 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/14/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$331,637.00
8/14/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
8/15/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$331,637.00
8/16/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
8/16/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
8/16/2017	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$331,637.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 1,600' of 2" gas main and 36 residential services. The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This project was originally authorized in 2014, only a small part of the project was completed and then had several delays. The builder is now looking to complete the mains and services in the 2017-2018 construction seasons.				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 36652.				
Total 2017 Budget: \$2,181,500 Total Authorization to date: \$1,713,969 Total Net This Authorization: \$331,637 Remaining Budget: \$135,894				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00173474		Stonebridge Estates Salem NH	\$331,637.00	
Total			\$331,637.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201801	N-007056-00173474	M&S ISSUE			\$1,823.97
27-804 Total						\$1,823.97
40-805						
	201708	N-007056-00173474	VOUCHERS	NEUCO	U1808002-18	\$7,697.22
	201709	N-007056-00173474	VOUCHERS	NEUCO	U1808010-18	\$3,295.44
40-805 Total						\$10,992.66
50-807						
	201801	N-007056-00173474	M/S STORES EXPENSE			\$729.59
50-807 Total						\$729.59
51-850						
	201801	N-007056-00173474	EXMPT STOCK EXPENSE			\$237.12
51-850 Total						\$237.12
55-857						
	201801	N-007056-00173474	EXEMPT STK STORES EXPENSE			\$94.85
55-857 Total						\$94.85
70-811						
	201708	N-007056-00173474	CONST E&O OVERHEADS			\$3,645.40
	201709	N-007056-00173474	CONST E&O OVERHEADS			\$1,384.08
	201801	N-007056-00173474	CONST E&O OVERHEADS			\$1,217.69
70-811 Total						\$6,247.17
70-813						
	201708	N-007056-00173474	CONST OHDS CAP			\$629.52
	201709	N-007056-00173474	CONST OHDS CAP			\$154.42
	201801	N-007056-00173474	CONST OHDS CAP			\$172.75
70-813 Total						\$956.69
90-822						
	201708	N-007056-00173474	INTEREST CAPITALIZED			\$10.18
	201709	N-007056-00173474	INTEREST CAPITALIZED			\$24.46
90-822 Total						\$34.64
						\$21,116.69

Northern NH Construction Authorization			AUTH: 007057 Date: 8/10/2017 Budgeted Amount: \$2,181,508.00	
Budget Item No: JAB07 Budget Year: 2017 Description: Sierra Dr Dover NH Project Supervisor: Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 8/10/2017 8:32:40 AM Initiated By: Johnson, Philip Finalized Date: 8/18/2017 10:52:11 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/14/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$31,307.00
8/15/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
8/15/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$31,307.00
8/16/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
8/16/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$0.00
			Salvage:	\$0.00
			CWO Total:	\$31,307.00
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 550' of 2" gas main and 4 residential services with 20 meters.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 53492.				
Total 2017 Budget: \$2,181,500 Total Authorization to date: \$2,045,606 Total Net This Authorization: \$31,307 Remaining Budget: \$104,587				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO	Description			Amount
00173475	Sierra Dr Dover NH			\$31,307.00
			Total	\$31,307.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201712	N-007057-00173475	PAYROLL-ST			\$79.36
10-800 Total						\$79.36
27-804						
	201711	N-007057-00173475	M&S ISSUE			\$656.04
	201712	N-007057-00173475	M&S ISSUE			\$847.09
	201901	N-007057-00173475	M&S ISSUE			\$342.97
27-804 Total						\$1,846.10
40-805						
	201712	N-007057-00173475	VOUCHERS	NEUCO	U4811005-19	\$3,910.72
	201712	N-007057-00173475	VOUCHERS	NEUCO	U6911001-19	\$5,519.20
	201712	N-007057-00173475	VOUCHERS	NEUCO	U6911006-19	\$5,771.04
	201805	N-007057-00173475	VOUCHERS	NEUCO	U3207006-18	\$3,851.45
	201805	N-007057-00173475	VOUCHERS	NEUCO	U6910002-18	\$2,885.52
	201805	N-007057-00173475	VOUCHERS	NEUCO	UA308004-18	\$2,885.52
40-805 Total						\$24,823.45
50-807						
	201711	N-007057-00173475	M/S STORES EXPENSE			\$164.02
	201712	N-007057-00173475	M/S STORES EXPENSE			\$211.78
	201901	N-007057-00173475	M/S STORES EXPENSE			\$164.63
50-807 Total						\$540.43
51-850						
	201711	N-007057-00173475	EXMPT STOCK EXPENSE			\$6.56
	201712	N-007057-00173475	EXMPT STOCK EXPENSE			\$8.47
	201901	N-007057-00173475	EXMPT STOCK EXPENSE			\$61.73
51-850 Total						\$76.76
55-857						
	201711	N-007057-00173475	EXEMPT STK STORES EXPENSE			\$1.64
	201712	N-007057-00173475	EXEMPT STK STORES EXPENSE			\$2.12
	201901	N-007057-00173475	EXEMPT STK STORES EXPENSE			\$29.63
55-857 Total						\$33.39
70-811						
	201711	N-007057-00173475	CONST E&O OVERHEADS			\$289.89
	201712	N-007057-00173475	CONST E&O OVERHEADS			\$477.08
	201805	N-007057-00173475	CONST E&O OVERHEADS			\$4,045.90
	201901	N-007057-00173475	CONST E&O OVERHEADS			\$189.21
70-811 Total						\$5,002.08
70-813						
	201711	N-007057-00173475	CONST OHDS CAP			\$36.90
	201805	N-007057-00173475	CONST OHDS CAP			\$578.76
	201901	N-007057-00173475	CONST OHDS CAP			\$36.73
70-813 Total						\$652.39

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201711	N-007057-00173475	INTEREST CAPITALIZED			\$0.98
	201712	N-007057-00173475	INTEREST CAPITALIZED			\$16.27
	201805	N-007057-00173475	INTEREST CAPITALIZED			\$55.23
90-822 Total						\$72.48
						\$33,126.44

Northern NH Construction Authorization			AUTH: 007062 Date: 9/14/2017 Budgeted Amount: \$2,181,508.00	
Budget Item No: JAB08 Budget Year: 2017 Description: 920 Lafayette Rd Seabrook NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 9/14/2017 7:38:12 AM Initiated By: Johnson, Philip Finalized Date: 10/2/2017 8:10:45 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
9/14/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$69,558.00
9/14/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
9/14/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$69,558.00
9/15/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
9/22/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
9/20/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
9/22/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$69,558.00
9/22/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
9/22/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
9/29/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 335' of 4" gas main and 420' of 2" gas main and (2) 1 1/4" commercial gas services with (4) meters.				
The local engineering department has reviewed and approved this project.				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 49741.				
Total 2017 Budget: \$2,181,500 Total Authorization to date: \$3,083,368 Total Net This Authorization: \$59,050 Remaining Budget: \$- 971,426				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00173480		920 Lafayette Rd Seabrook NH	\$69,558.00	
		Total	\$69,558.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201710	N-007062-00173480	M&S ISSUE			\$1,677.77
	201711	N-007062-00173480	M&S ISSUE			\$1,021.94
	201801	N-007062-00173480	M&S ISSUE			\$1,361.86
27-804 Total						\$4,061.57
40-805						
	201710	N-007062-00173480	VOUCHERS	NEUCO	U3209004-18	\$30,199.19
	201710	N-007062-00173480	VOUCHERS	NEUCO	U3209006-18	\$2,870.00
	201710	N-007062-00173480	VOUCHERS	NEUCO	U9209003-18	\$5,385.10
	201711	N-007062-00173480	VOUCHERS	NEUCO	U3210005-18	\$3,830.80
	201711	N-007062-00173480	VOUCHERS	NEUCO	U9210002-18	\$3,830.80
	201805	N-007062-00173480	VOUCHERS	NEUCO	U3209004-18	\$0.00
	201805	N-007062-00173480	VOUCHERS	NEUCO	U3209006-18	\$0.00
	201805	N-007062-00173480	VOUCHERS	NEUCO	U3210005-18	\$0.00
	201805	N-007062-00173480	VOUCHERS	NEUCO	U9209003-18	\$0.00
	201805	N-007062-00173480	VOUCHERS	NEUCO	U9210002-18	\$0.00
40-805 Total						\$46,115.89
50-807						
	201710	N-007062-00173480	M/S STORES EXPENSE			\$419.47
	201711	N-007062-00173480	M/S STORES EXPENSE			\$255.51
	201801	N-007062-00173480	M/S STORES EXPENSE			(\$15.30)
50-807 Total						\$659.68
51-850						
	201710	N-007062-00173480	EXMPT STOCK EXPENSE			\$83.89
	201711	N-007062-00173480	EXMPT STOCK EXPENSE			\$10.22
	201801	N-007062-00173480	EXMPT STOCK EXPENSE			(\$4.97)
51-850 Total						\$89.14
55-857						
	201710	N-007062-00173480	EXEMPT STK STORES EXPENSE			\$20.97
	201711	N-007062-00173480	EXEMPT STK STORES EXPENSE			\$2.56
	201801	N-007062-00173480	EXEMPT STK STORES EXPENSE			(\$1.99)
55-857 Total						\$21.54
70-811						
	201710	N-007062-00173480	CONST E&O OVERHEADS			\$17,075.68
	201711	N-007062-00173480	CONST E&O OVERHEADS			\$3,133.14
	201801	N-007062-00173480	CONST E&O OVERHEADS			(\$25.52)
	201805	N-007062-00173480	CONST E&O OVERHEADS			\$0.00
70-811 Total						\$20,183.30
70-813						
	201710	N-007062-00173480	CONST OHDS CAP			\$1,905.16
	201711	N-007062-00173480	CONST OHDS CAP			\$398.80
	201801	N-007062-00173480	CONST OHDS CAP			(\$3.62)
	201805	N-007062-00173480	CONST OHDS CAP			\$0.00
70-813 Total						\$2,300.34

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201710	N-007062-00173480	INTEREST CAPITALIZED			\$50.69
	201711	N-007062-00173480	INTEREST CAPITALIZED			\$111.99
90-822 Total						\$162.68
K7-804						
	201801	N-007062-00173480	ISSUE REVERSAL			(\$1,400.08)
K7-804 Total						(\$1,400.08)
						\$72,194.06

Northern NH Construction Authorization			AUTH: 007067 Date: 10/5/2017 Budgeted Amount: \$2,181,508.00	
Budget Item No: JAB12 Budget Year: 2017 Description: 20 Garrison Rd (Wolcott Dr) Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 10/5/2017 8:01:36 AM Initiated By: Johnson, Philip Finalized Date: 10/16/2017 1:54:15 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/9/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$57,021.00
10/9/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
10/9/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$57,021.00
10/10/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
10/11/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$0.00
10/11/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
10/11/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$57,021.00
10/11/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
10/11/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
10/12/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This Authorization will cover the cost associated with the installation of 320' of 4" gas main off of Garrison Rd Dover. This will include (6) residential services.				
The local engineering department has reviewed and approved this project				
JUSTIFICATION				
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 55796.				
Total 2017 Budget: \$2,181,500 Total Authorization to date: \$3,801,992 Total Net This Authorization: \$57,021 Remaining Budget: \$- 1,688,021				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00173488			20 Garrison Rd (Wolcott Dr) Dover NH	\$57,021.00
			Total	\$57,021.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201710	N-007067-00173488	PAYROLL-ST			\$484.95
10-800 Total						\$484.95
27-804						
	201710	N-007067-00173488	M&S ISSUE			\$455.63
	201711	N-007067-00173488	M&S ISSUE			\$385.30
	201712	N-007067-00173488	M&S ISSUE			\$88.21
	201801	N-007067-00173488	M&S ISSUE			\$2,326.13
27-804 Total						\$3,255.27
30-820						
	201710	N-007067-00173488	TRANSPORTATION JE			\$200.00
30-820 Total						\$200.00
40-805						
	201711	N-007067-00173488	VOUCHERS	NEUCO	U6910005-18	\$2,885.52
	201711	N-007067-00173488	VOUCHERS	NEUCO	U7610001-18	\$2,885.52
	201712	N-007067-00173488	VOUCHERS	NEUCO	U7611003-19	\$2,885.52
	201801	N-007067-00173488	VOUCHERS	CITY DOVER PD	00020758	\$1,286.00
40-805 Total						\$9,942.56
50-807						
	201710	N-007067-00173488	M/S STORES EXPENSE			\$113.92
	201711	N-007067-00173488	M/S STORES EXPENSE			\$96.34
	201712	N-007067-00173488	M/S STORES EXPENSE			\$22.05
	201801	N-007067-00173488	M/S STORES EXPENSE			\$392.29
50-807 Total						\$624.60
51-850						
	201710	N-007067-00173488	EXMPT STOCK EXPENSE			\$22.78
	201711	N-007067-00173488	EXMPT STOCK EXPENSE			\$3.85
	201712	N-007067-00173488	EXMPT STOCK EXPENSE			\$0.88
	201801	N-007067-00173488	EXMPT STOCK EXPENSE			\$127.50
51-850 Total						\$155.01
55-857						
	201710	N-007067-00173488	EXEMPT STK STORES EXPENSE			\$5.70
	201711	N-007067-00173488	EXEMPT STK STORES EXPENSE			\$0.96
	201712	N-007067-00173488	EXEMPT STK STORES EXPENSE			\$0.22
	201801	N-007067-00173488	EXEMPT STK STORES EXPENSE			\$51.00
55-857 Total						\$57.88
60-809						
	201710	N-007067-00173488	WORKERS COMP INS			\$24.25
60-809 Total						\$24.25
60-815						
	201710	N-007067-00173488	MEDICAL COSTS CAP.			\$140.25
60-815 Total						\$140.25

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-816						
	201710	N-007067-00173488	401K COSTS CAP.			\$24.20
60-816 Total						\$24.20
60-817						
	201710	N-007067-00173488	PBOP COSTS CAP.			\$95.87
60-817 Total						\$95.87
70-811						
	201710	N-007067-00173488	CONST E&O OVERHEADS			\$711.49
	201711	N-007067-00173488	CONST E&O OVERHEADS			\$2,190.12
	201712	N-007067-00173488	CONST E&O OVERHEADS			\$87.45
	201801	N-007067-00173488	CONST E&O OVERHEADS			\$1,197.44
70-811 Total						\$4,186.50
70-813						
	201710	N-007067-00173488	CONST OHDS CAP			\$79.38
	201711	N-007067-00173488	CONST OHDS CAP			\$278.77
	201801	N-007067-00173488	CONST OHDS CAP			\$169.87
70-813 Total						\$528.02
80-814						
	201710	N-007067-00173488	SMALL TOOLS			\$14.55
80-814 Total						\$14.55
90-822						
	201710	N-007067-00173488	INTEREST CAPITALIZED			\$2.11
	201711	N-007067-00173488	INTEREST CAPITALIZED			\$11.64
	201712	N-007067-00173488	INTEREST CAPITALIZED			\$21.68
	201801	N-007067-00173488	INTEREST CAPITALIZED			\$36.08
90-822 Total						\$71.51
90-866						
	201710	N-007067-00173488	PAYROLL TAXES CAP.			\$44.13
90-866 Total						\$44.13
90-867						
	201710	N-007067-00173488	PENSION COST CAP.			\$67.80
90-867 Total						\$67.80
K7-804						
	201801	N-007067-00173488	ISSUE REVERSAL			(\$1,345.37)
K7-804 Total						(\$1,345.37)
						\$18,571.98

10/16/2017

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Northern NH Construction Authorization		AUTH: 007068 Date: 10/5/2017 Budgeted Amount: \$2,181,508.00
Budget Item No: JAB13 Budget Year: 2017 Description: 206 Green St Somersworth NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:		Type: Original Sequence: 1 Status: Completed Initiated Date: 10/5/2017 8:58:29 AM Initiated By: Johnson, Philip Finalized Date: 10/16/2017 1:50:02 PM Finalized By: Laffond, Courtney
APPROVALS		ESTIMATED COST SUMMARY
Action Date	Approved	Approver/Title
10/9/2017	YES	Laffond, Courtney <i>Plant Accountant</i>
10/9/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>
10/9/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>
10/10/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>
10/11/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>
10/11/2017	YES	Sprague, Kevin <i>Director Engineering</i>
10/11/2017	YES	Main, Dan <i>Assistant Controller</i>
10/11/2017	YES	Brock, Laurence <i>Controller & CAO</i>
10/11/2017	YES	Meissner, Thomas <i>SVP And COO</i>
10/12/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>
DESCRIPTION/SCOPE		
This Authorization will cover the cost associated with the installation of 950' of 4" gas main and 1,300' of 2" gas main fed from the existing 6" IP gas main in Main St. Somersworth. This will include (10) residential services. The local engineering department has reviewed and approved this project.		
JUSTIFICATION		
This is a system growth project that has been evaluated and approved by Business Development in accordance with Unitil's Policies addressing Installation of New Gas Services/Main Extension and Rate-of Return Criteria. There is no customer contribution required for this project. The project specific IRR Analysis and cost information are included in G-Intake Package No 53215. Total 2017 Budget: \$2,181,500 Total Authorization to date: \$3,859,013 Total Net This Authorization: \$148,454 Remaining Budget: \$- 1,836,475		
NOTES		
AUTHORIZATION COMMENTS		
CWO Summary		
CWO		
00173489		206 Green St Somersworth NH
		Total
		\$148,454.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201712	N-007068-00173489	PAYROLL-ST			\$282.56
10-800 Total						\$282.56
27-804						
	201711	N-007068-00173489	M&S ISSUE			\$3,211.69
	201712	N-007068-00173489	M&S ISSUE			\$474.91
	201802	N-007068-00173489	M&S ISSUE			\$185.23
27-804 Total						\$3,871.83
40-805						
	201712	N-007068-00173489	VOUCHERS	NEUCO	U1811008-19	\$4,175.52
	201712	N-007068-00173489	VOUCHERS	NEUCO	U6131001-19	\$22,059.62
	201712	N-007068-00173489	VOUCHERS	NEUCO	U6131002-19	\$27,967.56
	201712	N-007068-00173489	VOUCHERS	NEUCO	U6131003-19	\$3,723.28
	201712	N-007068-00173489	VOUCHERS	NEUCO	U6131004-19	\$595.00
40-805 Total						\$58,520.98
50-807						
	201711	N-007068-00173489	M/S STORES EXPENSE			\$802.93
	201712	N-007068-00173489	M/S STORES EXPENSE			\$118.73
	201802	N-007068-00173489	M/S STORES EXPENSE			(\$20.77)
50-807 Total						\$900.89
51-850						
	201711	N-007068-00173489	EXMPT STOCK EXPENSE			\$32.12
	201712	N-007068-00173489	EXMPT STOCK EXPENSE			\$4.75
	201802	N-007068-00173489	EXMPT STOCK EXPENSE			(\$6.75)
51-850 Total						\$30.12
55-857						
	201711	N-007068-00173489	EXEMPT STK STORES EXPENSE			\$8.03
	201712	N-007068-00173489	EXEMPT STK STORES EXPENSE			\$1.19
	201802	N-007068-00173489	EXEMPT STK STORES EXPENSE			(\$2.70)
55-857 Total						\$6.52
70-811						
	201711	N-007068-00173489	CONST E&O OVERHEADS			\$1,419.17
	201712	N-007068-00173489	CONST E&O OVERHEADS			\$1,733.38
	201802	N-007068-00173489	CONST E&O OVERHEADS			(\$34.67)
70-811 Total						\$3,117.88
70-813						
	201711	N-007068-00173489	CONST OHDS CAP			\$180.64
	201802	N-007068-00173489	CONST OHDS CAP			(\$4.92)
70-813 Total						\$175.72
90-822						
	201711	N-007068-00173489	INTEREST CAPITALIZED			\$4.81
	201712	N-007068-00173489	INTEREST CAPITALIZED			\$61.58

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201802	N-007068-00173489	INTEREST CAPITALIZED			\$73.40
90-822 Total						<u>\$139.79</u>
K7-804						
	201802	N-007068-00173489	ISSUE REVERSAL			(\$237.16)
K7-804 Total						<u>(\$237.16)</u>
						<u><u>\$66,809.13</u></u>

2/10/2017

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Northern NH Construction Authorization			AUTH: 007017 Date: 1/26/2017 Budgeted Amount: \$4,941,875.39	
Budget Item No: JCB01 Budget Year: 2017 Description: NH Main Replacement Program Project Supervisor: Johnson, Philip Crew Days: 360 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 1/26/2017 7:48:06 AM Initiated By: Ciulla, Mel Finalized Date: 2/10/2017 8:11:30 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/6/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$4,366,875.00
2/6/2017	YES	Northrup, Tressa <i>Utility Acctg And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/6/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$4,366,875.00
2/6/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
2/6/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$436,688.00
2/6/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
2/6/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$3,930,187.00
2/7/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
2/7/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
2/7/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Islington St Portsmouth was included in NH Main Replacement Program,, this is a city state project, with an estimated average costing of \$468,750. Congress St also a city state project with an estimated average costing of \$106,250. Total reduction of NH Main Replacement Program, \$575,000 2017 Budgeted amount of \$4,941,875 Revised 2017 Budgeted amount of \$4,366,875 The replacement of approximately (3.2) miles of bare steel main in the NH distribution system. Projects listed are from field leaks, engineering analysis. This is year 9 of our 9 year program Estimated Footage 2017- 3.2 miles, Revised Footage for 2017 - 2.4 miles Completion of 9 year program 2017, as per settlement agreement. Estimated 3% increase from 2016				
JUSTIFICATION				
NH Settlement agreement, remove all bare steel main in 9 years, we are on our ninth year, we had a total of 41.24 miles, we needed to complete 4.58 miles each year. This has driven our average from 4.58 miles to 5.8 miles in 2014, 2015, reduced footage to 2.4 miles for 2017.				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description		Amount
00173415		Spring St Dover NH		\$0.00
00173416		Central Ave @ Glenwood Dover NH		\$0.00
00173417		Chestnut St / Third St Dover NH		\$0.00
00173418		Fern Ct Dover NH		\$0.00
00173419		Fourth St Dover NH		\$0.00
00173420		Third St @ Central Ave Dover NH		\$0.00
00173421		Central Ave/ Washington St		\$0.00
00173422		Robie St Hampton NH		\$0.00
00173423		Scott Rd Hampton NH		\$0.00
00173424		Stickney Terr Hampton NH		\$0.00
00173425		Towle Ave Hampton NH		\$0.00

2/10/2017

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Page 151 of 268

00173426	Naves Rd / Yeaton Rd Hampton NH	\$0.00
00173427	Ridgeview Terr Hampton NH	\$0.00
00173428	Garden Rd Plaistow Rd NH	\$0.00
00173429	Lafayette Rd @ Springbrook Cir Portsmouth NH	\$0.00
00173430	Dublin Way Rochester NH	\$0.00
00173431	High St / Walnut St Rochester NH	\$0.00
00173432	Lois St Rochester NH	\$0.00
00173433	Canal St Somersworth NH	\$0.00
00173434	Wolcott St Somersworth NH	\$0.00
00173435	520-522 Ocean Blvd Hampton NH	\$0.00
00173436	Boars Head / Cliff Ave Hampton NH	\$3,930,187.00
	Total	\$3,930,187.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201708	N-007017-00173418	PAYROLL-ST			\$211.92
10-800 Total						\$211.92
27-804						
	201708	N-007017-00173418	M&S ISSUE			\$6,422.83
	201709	N-007017-00173418	M&S ISSUE			\$201.06
	201711	N-007017-00173418	M&S ISSUE			\$88.76
27-804 Total						\$6,712.65
30-820						
	201708	N-007017-00173418	TRANSPORTATION JE			\$60.00
30-820 Total						\$60.00
40-805						
	201708	N-007017-00173418	VOUCHERS	JDH INSPECTION	17-0399	\$1,590.70
	201708	N-007017-00173418	VOUCHERS	NEUCO	U9508001-18	\$31,916.81
	201708	N-007017-00173418	VOUCHERS	NEUCO	U9508002-18	\$24,335.09
	201709	N-007017-00173418	VOUCHERS	NEUCO	U9508003-18	\$4,539.06
	201709	N-007017-00173418	VOUCHERS	NEUCO	U9508006-18	\$568.00
40-805 Total						\$62,949.66
50-807						
	201708	N-007017-00173418	M/S STORES EXPENSE			\$3,391.63
	201709	N-007017-00173418	M/S STORES EXPENSE			\$50.27
	201711	N-007017-00173418	M/S STORES EXPENSE			(\$358.32)
50-807 Total						\$3,083.58
51-850						
	201708	N-007017-00173418	EXMPT STOCK EXPENSE			\$847.91
	201709	N-007017-00173418	EXMPT STOCK EXPENSE			\$10.05
	201711	N-007017-00173418	EXMPT STOCK EXPENSE			(\$14.33)
51-850 Total						\$843.63
55-857						
	201708	N-007017-00173418	EXEMPT STK STORES EXPENSE			\$508.75
	201709	N-007017-00173418	EXEMPT STK STORES EXPENSE			\$2.51
	201711	N-007017-00173418	EXEMPT STK STORES EXPENSE			(\$3.58)
55-857 Total						\$507.68
60-809						
	201708	N-007017-00173418	WORKERS COMP INS			\$10.60
60-809 Total						\$10.60
60-815						
	201708	N-007017-00173418	MEDICAL COSTS CAP.			\$127.15
60-815 Total						\$127.15
60-816						
	201708	N-007017-00173418	401K COSTS CAP.			\$10.57
60-816 Total						\$10.57

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-817						
	201708	N-007017-00173418	PBOP COSTS CAP.			\$50.86
60-817 Total						\$50.86
70-811						
	201708	N-007017-00173418	CONST E&O OVERHEADS			\$32,569.47
	201709	N-007017-00173418	CONST E&O OVERHEADS			\$2,255.80
	201711	N-007017-00173418	CONST E&O OVERHEADS			(\$633.34)
70-811 Total						\$34,191.93
70-813						
	201708	N-007017-00173418	CONST OHDS CAP			\$5,624.34
	201709	N-007017-00173418	CONST OHDS CAP			\$251.68
	201711	N-007017-00173418	CONST OHDS CAP			(\$80.61)
70-813 Total						\$5,795.41
80-814						
	201708	N-007017-00173418	SMALL TOOLS			\$6.36
80-814 Total						\$6.36
90-822						
	201708	N-007017-00173418	INTEREST CAPITALIZED			\$90.92
	201709	N-007017-00173418	INTEREST CAPITALIZED			\$188.54
	201711	N-007017-00173418	INTEREST CAPITALIZED			\$193.09
	201712	N-007017-00173418	INTEREST CAPITALIZED			\$91.29
90-822 Total						\$563.84
90-866						
	201708	N-007017-00173418	PAYROLL TAXES CAP.			\$19.28
90-866 Total						\$19.28
90-867						
	201708	N-007017-00173418	PENSION COST CAP.			\$29.63
90-867 Total						\$29.63
95-865						
	201712	N-007017-00173418	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						\$0.00
K7-804						
	201708	N-007017-00173418	ISSUE REVERSAL			(\$770.11)
	201711	N-007017-00173418	ISSUE REVERSAL			(\$1,522.06)
K7-804 Total						(\$2,292.17)
						\$112,882.58

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201707	N-007017-00173421	PAYROLL-ST			\$601.32
10-800 Total						\$601.32
10-803						
	201707	N-007017-00173421	PAYROLL-OT			\$225.50
10-803 Total						\$225.50
27-804						
	201705	N-007017-00173421	M&S ISSUE			\$9,248.25
	201706	N-007017-00173421	M&S ISSUE			\$19,820.88
	201707	N-007017-00173421	M&S ISSUE			\$9,518.66
	201708	N-007017-00173421	M&S ISSUE			\$4,320.65
	201710	N-007017-00173421	M&S ISSUE			\$1,505.68
	201712	N-007017-00173421	M&S ISSUE			\$9,186.42
27-804 Total						\$53,600.54
30-820						
	201707	N-007017-00173421	TRANSPORTATION JE			\$60.00
30-820 Total						\$60.00
40-805						
	201704	N-007017-00173421	VOUCHERS	NEUCO	U6104001-18	\$20,115.94
	201705	N-007017-00173421	VOUCHERS	JDH INSPECTION	17-0153	\$1,312.00
	201705	N-007017-00173421	VOUCHERS	NEUCO	U6130001-18	\$40,035.10
	201705	N-007017-00173421	VOUCHERS	NEUCO	U6130002-18	\$25,374.97
	201705	N-007017-00173421	VOUCHERS	NEUCO	U6130003-18	\$41,544.55
	201705	N-007017-00173421	VOUCHERS	NEUCO	U6130004-18	\$30,425.02
	201705	N-007017-00173421	VOUCHERS	PPI GAS DISTRIB	108721	\$505.49
	201706	N-007017-00173421	VOUCHERS	NEUCO	U6130005-18	\$27,006.45
	201706	N-007017-00173421	VOUCHERS	NEUCO	U6130006-18	\$28,878.75
	201706	N-007017-00173421	VOUCHERS	NEUCO	U6130007-18	\$20,895.72
	201707	N-007017-00173421	VOUCHERS	AFTC INC	6414	\$384.00
	201707	N-007017-00173421	VOUCHERS	MULCARE ENGINEE	MPSI-82731	\$135.78
	201707	N-007017-00173421	VOUCHERS	NEUCO	U6130008-18	\$20,405.25
	201707	N-007017-00173421	VOUCHERS	NEUCO	U6130010-18	\$43,907.75
	201707	N-007017-00173421	VOUCHERS	NEUCO	U6130011-18	\$30,832.21
	201707	N-007017-00173421	VOUCHERS	NEUCO	U6130013-18	\$18,695.23
	201707	N-007017-00173421	VOUCHERS	NEUCO	U6130014-18	\$7,654.11
	201707	N-007017-00173421	VOUCHERS	NEUCO	U6130015-18	\$28,910.82
	201708	N-007017-00173421	VOUCHERS	AFTC INC	6523	\$384.00
	201708	N-007017-00173421	VOUCHERS	AFTC INC	6577	\$192.00
	201708	N-007017-00173421	VOUCHERS	NEUCO	U6107002-18	\$4,745.25
	201708	N-007017-00173421	VOUCHERS	NEUCO	U6108001-18	\$10,745.62
	201708	N-007017-00173421	VOUCHERS	NEUCO	U6130017-18	\$23,973.56
	201708	N-007017-00173421	VOUCHERS	NEUCO	U6130018-18	\$15,320.09
	201708	N-007017-00173421	VOUCHERS	NEUCO	U6130019-18	\$30,606.75
	201708	N-007017-00173421	VOUCHERS	NEUCO	U6130020-18	\$21,196.01
	201708	N-007017-00173421	VOUCHERS	NEUCO	U613016-18	\$24,208.99
	201709	N-007017-00173421	VOUCHERS	NEUCO	U6130022-18	\$12,894.82

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201709	N-007017-00173421	VOUCHERS	NEUCO	U6130023-18	\$9,084.86
	201711	N-007017-00173421	VOUCHERS	NEUCO	U6111002-19	\$10,278.60
	201711	N-007017-00173421	VOUCHERS	NEUCO	U6130033-18	\$4,917.07
40-805 Total						\$555,566.76
50-807						
	201705	N-007017-00173421	M/S STORES EXPENSE			\$3,610.04
	201706	N-007017-00173421	M/S STORES EXPENSE			\$11,892.53
	201707	N-007017-00173421	M/S STORES EXPENSE			\$4,188.98
	201708	N-007017-00173421	M/S STORES EXPENSE			(\$97.99)
	201709	N-007017-00173421	M/S STORES EXPENSE			(\$58.75)
	201710	N-007017-00173421	M/S STORES EXPENSE			\$376.43
	201712	N-007017-00173421	M/S STORES EXPENSE			\$808.74
	201801	N-007017-00173421	M/S STORES EXPENSE			(\$265.18)
50-807 Total						\$20,454.80
51-850						
	201705	N-007017-00173421	EXMPT STOCK EXPENSE			\$1,758.73
	201706	N-007017-00173421	EXMPT STOCK EXPENSE			\$2,973.13
	201707	N-007017-00173421	EXMPT STOCK EXPENSE			\$1,047.24
	201708	N-007017-00173421	EXMPT STOCK EXPENSE			(\$24.50)
	201709	N-007017-00173421	EXMPT STOCK EXPENSE			(\$11.75)
	201710	N-007017-00173421	EXMPT STOCK EXPENSE			\$75.28
	201712	N-007017-00173421	EXMPT STOCK EXPENSE			\$32.35
	201801	N-007017-00173421	EXMPT STOCK EXPENSE			(\$86.18)
51-850 Total						\$5,764.30
55-857						
	201705	N-007017-00173421	EXEMPT STK STORES EXPENSE			\$685.90
	201706	N-007017-00173421	EXEMPT STK STORES EXPENSE			\$1,783.88
	201707	N-007017-00173421	EXEMPT STK STORES EXPENSE			\$628.34
	201708	N-007017-00173421	EXEMPT STK STORES EXPENSE			(\$14.70)
	201709	N-007017-00173421	EXEMPT STK STORES EXPENSE			(\$2.94)
	201710	N-007017-00173421	EXEMPT STK STORES EXPENSE			\$18.82
	201712	N-007017-00173421	EXEMPT STK STORES EXPENSE			\$8.09
	201801	N-007017-00173421	EXEMPT STK STORES EXPENSE			(\$34.47)
55-857 Total						\$3,072.92
60-809						
	201707	N-007017-00173421	WORKERS COMP INS			\$41.34
60-809 Total						\$41.34
60-815						
	201707	N-007017-00173421	MEDICAL COSTS CAP.			\$496.09
60-815 Total						\$496.09
60-816						
	201707	N-007017-00173421	401K COSTS CAP.			\$41.26
60-816 Total						\$41.26

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-817						
	201707	N-007017-00173421	PBOP COSTS CAP.			\$198.44
60-817 Total						\$198.44
70-811						
	201704	N-007017-00173421	CONST E&O OVERHEADS			\$9,526.91
	201705	N-007017-00173421	CONST E&O OVERHEADS			\$73,175.13
	201706	N-007017-00173421	CONST E&O OVERHEADS			\$53,635.83
	201707	N-007017-00173421	CONST E&O OVERHEADS			\$78,452.27
	201708	N-007017-00173421	CONST E&O OVERHEADS			\$62,075.57
	201709	N-007017-00173421	CONST E&O OVERHEADS			\$9,101.93
	201710	N-007017-00173421	CONST E&O OVERHEADS			\$830.01
	201711	N-007017-00173421	CONST E&O OVERHEADS			\$5,318.48
	201712	N-007017-00173421	CONST E&O OVERHEADS			(\$58,304.04)
	201801	N-007017-00173421	CONST E&O OVERHEADS			(\$442.59)
70-811 Total						\$233,369.50
70-813						
	201704	N-007017-00173421	CONST OHDS CAP			\$1,645.17
	201705	N-007017-00173421	CONST OHDS CAP			\$12,636.43
	201706	N-007017-00173421	CONST OHDS CAP			\$9,262.24
	201707	N-007017-00173421	CONST OHDS CAP			\$13,547.73
	201708	N-007017-00173421	CONST OHDS CAP			\$10,719.67
	201709	N-007017-00173421	CONST OHDS CAP			\$1,015.52
	201710	N-007017-00173421	CONST OHDS CAP			\$92.61
	201711	N-007017-00173421	CONST OHDS CAP			\$676.97
	201712	N-007017-00173421	CONST OHDS CAP			(\$9,919.28)
	201801	N-007017-00173421	CONST OHDS CAP			(\$62.79)
70-813 Total						\$39,614.27
80-814						
	201707	N-007017-00173421	SMALL TOOLS			\$24.80
80-814 Total						\$24.80
90-822						
	201704	N-007017-00173421	INTEREST CAPITALIZED			\$26.59
	201705	N-007017-00173421	INTEREST CAPITALIZED			\$257.46
	201706	N-007017-00173421	INTEREST CAPITALIZED			\$611.46
	201707	N-007017-00173421	INTEREST CAPITALIZED			\$980.19
	201708	N-007017-00173421	INTEREST CAPITALIZED			\$1,372.48
	201709	N-007017-00173421	INTEREST CAPITALIZED			\$1,572.79
	201710	N-007017-00173421	INTEREST CAPITALIZED			\$1,605.67
	201711	N-007017-00173421	INTEREST CAPITALIZED			\$1,629.55
	201712	N-007017-00173421	INTEREST CAPITALIZED			\$759.69
90-822 Total						\$8,815.88
90-866						
	201707	N-007017-00173421	PAYROLL TAXES CAP.			\$75.24
90-866 Total						\$75.24

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-867						
	201707	N-007017-00173421	PENSION COST CAP.			\$115.59
90-867 Total						<u>\$115.59</u>
95-865						
	201710	N-007017-00173421	MISC PLANT ADJUSTMENT			\$3,999.58
	201712	N-007017-00173421	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						<u>\$3,999.58</u>
K7-804						
	201705	N-007017-00173421	ISSUE REVERSAL			\$8.24
	201707	N-007017-00173421	ISSUE REVERSAL			(\$2,537.04)
	201708	N-007017-00173421	ISSUE REVERSAL			(\$4,484.00)
	201709	N-007017-00173421	ISSUE REVERSAL			(\$235.00)
	201712	N-007017-00173421	ISSUE REVERSAL			(\$5,951.49)
	201801	N-007017-00173421	ISSUE REVERSAL			(\$662.95)
K7-804 Total						<u>(\$13,862.24)</u>
						<u><u>\$912,275.89</u></u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201708	N-007017-00173422	PAYROLL-ST			\$333.70
10-800 Total						\$333.70
27-804						
	201708	N-007017-00173422	M&S ISSUE			\$621.91
	201711	N-007017-00173422	M&S ISSUE			\$184.18
27-804 Total						\$806.09
30-820						
	201708	N-007017-00173422	TRANSPORTATION JE			\$100.00
30-820 Total						\$100.00
40-805						
	201708	N-007017-00173422	VOUCHERS	AFTC INC	6631	\$402.00
	201708	N-007017-00173422	VOUCHERS	JDH INSPECTION	17-0392	\$1,060.00
	201708	N-007017-00173422	VOUCHERS	NEUCO	U3207007-18	\$5,639.90
	201708	N-007017-00173422	VOUCHERS	NEUCO	U3208001-18	\$14,423.81
40-805 Total						\$21,525.71
50-807						
	201708	N-007017-00173422	M/S STORES EXPENSE			\$373.15
	201711	N-007017-00173422	M/S STORES EXPENSE			\$31.81
50-807 Total						\$404.96
51-850						
	201708	N-007017-00173422	EXMPT STOCK EXPENSE			\$93.29
	201711	N-007017-00173422	EXMPT STOCK EXPENSE			\$1.27
51-850 Total						\$94.56
55-857						
	201708	N-007017-00173422	EXEMPT STK STORES EXPENSE			\$55.97
	201711	N-007017-00173422	EXEMPT STK STORES EXPENSE			\$0.32
55-857 Total						\$56.29
60-809						
	201708	N-007017-00173422	WORKERS COMP INS			\$16.69
60-809 Total						\$16.69
60-815						
	201708	N-007017-00173422	MEDICAL COSTS CAP.			\$200.22
60-815 Total						\$200.22
60-816						
	201708	N-007017-00173422	401K COSTS CAP.			\$16.65
60-816 Total						\$16.65
60-817						
	201708	N-007017-00173422	PBOP COSTS CAP.			\$80.09
60-817 Total						\$80.09
70-811						
	201708	N-007017-00173422	CONST E&O OVERHEADS			\$11,131.69

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-811						
	201711	N-007017-00173422	CONST E&O OVERHEADS			\$56.22
70-811 Total						\$11,187.91
70-813						
	201708	N-007017-00173422	CONST OHDS CAP			\$1,922.31
	201711	N-007017-00173422	CONST OHDS CAP			\$7.16
70-813 Total						\$1,929.47
80-814						
	201708	N-007017-00173422	SMALL TOOLS			\$10.01
80-814 Total						\$10.01
90-822						
	201708	N-007017-00173422	INTEREST CAPITALIZED			\$31.07
	201711	N-007017-00173422	INTEREST CAPITALIZED			\$62.34
	201712	N-007017-00173422	INTEREST CAPITALIZED			\$29.79
90-822 Total						\$123.20
90-866						
	201708	N-007017-00173422	PAYROLL TAXES CAP.			\$30.37
90-866 Total						\$30.37
90-867						
	201708	N-007017-00173422	PENSION COST CAP.			\$46.65
90-867 Total						\$46.65
95-865						
	201712	N-007017-00173422	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						\$0.00
K7-804						
	201711	N-007017-00173422	ISSUE REVERSAL			(\$56.96)
K7-804 Total						(\$56.96)
						\$36,905.61

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201708	N-007017-00173423	M&S ISSUE			\$1,049.33
	201711	N-007017-00173423	M&S ISSUE			\$53.10
27-804 Total						\$1,102.43
40-805						
	201708	N-007017-00173423	VOUCHERS	AFTC INC	6577	\$384.00
	201708	N-007017-00173423	VOUCHERS	NEUCO	U3207005-18	\$9,745.77
	201708	N-007017-00173423	VOUCHERS	NEUCO	U3207007-18	\$10,035.10
	201708	N-007017-00173423	VOUCHERS	NEUCO	U3208001-18	\$4,667.36
40-805 Total						\$24,832.23
50-807						
	201708	N-007017-00173423	M/S STORES EXPENSE			\$629.58
	201711	N-007017-00173423	M/S STORES EXPENSE			(\$36.07)
50-807 Total						\$593.51
51-850						
	201708	N-007017-00173423	EXMPT STOCK EXPENSE			\$157.40
	201711	N-007017-00173423	EXMPT STOCK EXPENSE			(\$1.44)
51-850 Total						\$155.96
55-857						
	201708	N-007017-00173423	EXEMPT STK STORES EXPENSE			\$94.44
	201711	N-007017-00173423	EXEMPT STK STORES EXPENSE			(\$0.36)
55-857 Total						\$94.08
70-811						
	201708	N-007017-00173423	CONST E&O OVERHEADS			\$12,674.94
	201711	N-007017-00173423	CONST E&O OVERHEADS			(\$63.76)
70-811 Total						\$12,611.18
70-813						
	201708	N-007017-00173423	CONST OHDS CAP			\$2,188.81
	201711	N-007017-00173423	CONST OHDS CAP			(\$8.12)
70-813 Total						\$2,180.69
90-822						
	201708	N-007017-00173423	INTEREST CAPITALIZED			\$35.38
	201711	N-007017-00173423	INTEREST CAPITALIZED			\$70.55
	201712	N-007017-00173423	INTEREST CAPITALIZED			\$33.53
90-822 Total						\$139.46
95-865						
	201712	N-007017-00173423	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						\$0.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201711	N-007017-00173423	ISSUE REVERSAL			(\$197.40)
K7-804 Total						(\$197.40)
						<u>\$41,512.14</u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201711	N-007017-00173431	PAYROLL-ST			\$92.90
10-800 Total						\$92.90
27-804						
	201710	N-007017-00173431	M&S ISSUE			\$442.85
	201711	N-007017-00173431	M&S ISSUE			\$3,799.25
	201712	N-007017-00173431	M&S ISSUE			\$4,108.65
	201801	N-007017-00173431	M&S ISSUE			\$92.40
27-804 Total						\$8,443.15
40-805						
	201708	N-007017-00173431	VOUCHERS	ROCHESTER 31	08022017	\$100.00
	201709	N-007017-00173431	VOUCHERS	PETTY CASH NUNH	08312017	\$300.00
	201711	N-007017-00173431	VOUCHERS	NEUCO	U9710004-18	\$9,895.36
	201711	N-007017-00173431	VOUCHERS	NEUCO	U9710005-18	\$11,129.59
	201711	N-007017-00173431	VOUCHERS	NEUCO	U9710008-18	\$352.00
	201711	N-007017-00173431	VOUCHERS	NEUCO	U9710010-18	\$13,063.94
	201711	N-007017-00173431	VOUCHERS	NEUCO	U9711001-19	\$21,182.02
	201712	N-007017-00173431	VOUCHERS	NEUCO	U9508001-18	\$4,613.32
	201712	N-007017-00173431	VOUCHERS	NEUCO	U9510009-18	\$696.00
	201712	N-007017-00173431	VOUCHERS	NEUCO	U9711004-19	\$42,243.55
	201712	N-007017-00173431	VOUCHERS	NEUCO	U9711006-19	\$16,749.26
	201712	N-007017-00173431	VOUCHERS	NEUCO	U9711010-19	\$4,008.24
	201712	N-007017-00173431	VOUCHERS	NEUCO	U9712003-19	\$60,316.50
	201712	N-007017-00173431	VOUCHERS	NEUCO	U9712005-19	\$3,993.44
	201712	N-007017-00173431	VOUCHERS	PETTY CASH NUNH	06302017	\$100.00
	201712	N-007017-00173431	VOUCHERS	ROCHESTER 31	08022017	\$100.00
40-805 Total						\$188,843.22
50-807						
	201710	N-007017-00173431	M/S STORES EXPENSE			\$110.72
	201711	N-007017-00173431	M/S STORES EXPENSE			\$949.86
	201712	N-007017-00173431	M/S STORES EXPENSE			\$497.27
	201801	N-007017-00173431	M/S STORES EXPENSE			\$36.96
50-807 Total						\$1,594.81
51-850						
	201710	N-007017-00173431	EXMPT STOCK EXPENSE			\$22.14
	201711	N-007017-00173431	EXMPT STOCK EXPENSE			\$37.99
	201712	N-007017-00173431	EXMPT STOCK EXPENSE			\$19.89
	201801	N-007017-00173431	EXMPT STOCK EXPENSE			\$12.01
51-850 Total						\$92.03
55-857						
	201710	N-007017-00173431	EXEMPT STK STORES EXPENSE			\$5.54
	201711	N-007017-00173431	EXEMPT STK STORES EXPENSE			\$9.50
	201712	N-007017-00173431	EXEMPT STK STORES EXPENSE			\$4.97
	201801	N-007017-00173431	EXEMPT STK STORES EXPENSE			\$4.80
55-857 Total						\$24.81

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-809						
	201711	N-007017-00173431	WORKERS COMP INS			\$0.93
60-809 Total						\$0.93
60-815						
	201711	N-007017-00173431	MEDICAL COSTS CAP.			\$24.15
60-815 Total						\$24.15
60-816						
	201711	N-007017-00173431	401K COSTS CAP.			\$4.64
60-816 Total						\$4.64
60-817						
	201711	N-007017-00173431	PBOP COSTS CAP.			\$21.37
60-817 Total						\$21.37
70-811						
	201708	N-007017-00173431	CONST E&O OVERHEADS			\$47.36
	201709	N-007017-00173431	CONST E&O OVERHEADS			\$126.00
	201710	N-007017-00173431	CONST E&O OVERHEADS			\$244.13
	201711	N-007017-00173431	CONST E&O OVERHEADS			\$21,204.05
	201712	N-007017-00173431	CONST E&O OVERHEADS			\$6,088.11
	201801	N-007017-00173431	CONST E&O OVERHEADS			\$61.68
70-811 Total						\$27,771.33
70-813						
	201708	N-007017-00173431	CONST OHDS CAP			\$8.18
	201709	N-007017-00173431	CONST OHDS CAP			\$14.06
	201710	N-007017-00173431	CONST OHDS CAP			\$27.24
	201711	N-007017-00173431	CONST OHDS CAP			\$2,698.98
	201712	N-007017-00173431	CONST OHDS CAP			\$393.66
	201801	N-007017-00173431	CONST OHDS CAP			\$8.75
70-813 Total						\$3,150.87
80-814						
	201711	N-007017-00173431	SMALL TOOLS			\$2.79
80-814 Total						\$2.79
90-822						
	201708	N-007017-00173431	INTEREST CAPITALIZED			\$0.13
	201709	N-007017-00173431	INTEREST CAPITALIZED			\$0.64
	201710	N-007017-00173431	INTEREST CAPITALIZED			\$1.74
	201711	N-007017-00173431	INTEREST CAPITALIZED			\$74.28
	201712	N-007017-00173431	INTEREST CAPITALIZED			\$124.38
90-822 Total						\$201.17
90-866						
	201711	N-007017-00173431	PAYROLL TAXES CAP.			\$3.72
90-866 Total						\$3.72

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-867						
	201711	N-007017-00173431	PENSION COST CAP.			\$12.99
90-867 Total						<u>\$12.99</u>
95-865						
	201712	N-007017-00173431	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						<u>\$0.00</u>
K7-804						
	201712	N-007017-00173431	ISSUE REVERSAL			(\$2,119.61)
K7-804 Total						<u>(\$2,119.61)</u>
						<u><u>\$228,165.27</u></u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201706	N-007017-00173432	M&S ISSUE			\$112.49
	201710	N-007017-00173432	M&S ISSUE			\$1,324.06
	201711	N-007017-00173432	M&S ISSUE			\$614.86
27-804 Total						\$2,051.41
40-805						
	201708	N-007017-00173432	VOUCHERS	ROCHESTER 31	08022017	\$100.00
	201711	N-007017-00173432	VOUCHERS	NEUCO	U9710003-18	\$21,132.31
	201711	N-007017-00173432	VOUCHERS	NEUCO	U9710004-18	\$10,859.58
40-805 Total						\$32,091.89
50-807						
	201706	N-007017-00173432	M/S STORES EXPENSE			\$67.49
	201707	N-007017-00173432	M/S STORES EXPENSE			(\$67.49)
	201710	N-007017-00173432	M/S STORES EXPENSE			\$331.02
	201711	N-007017-00173432	M/S STORES EXPENSE			\$85.53
50-807 Total						\$416.55
51-850						
	201706	N-007017-00173432	EXMPT STOCK EXPENSE			\$16.87
	201707	N-007017-00173432	EXMPT STOCK EXPENSE			(\$16.87)
	201710	N-007017-00173432	EXMPT STOCK EXPENSE			\$66.20
	201711	N-007017-00173432	EXMPT STOCK EXPENSE			\$3.42
51-850 Total						\$69.62
55-857						
	201706	N-007017-00173432	EXEMPT STK STORES EXPENSE			\$10.12
	201707	N-007017-00173432	EXEMPT STK STORES EXPENSE			(\$10.12)
	201710	N-007017-00173432	EXEMPT STK STORES EXPENSE			\$16.55
	201711	N-007017-00173432	EXEMPT STK STORES EXPENSE			\$0.86
55-857 Total						\$17.41
70-811						
	201706	N-007017-00173432	CONST E&O OVERHEADS			\$98.02
	201707	N-007017-00173432	CONST E&O OVERHEADS			(\$98.02)
	201708	N-007017-00173432	CONST E&O OVERHEADS			\$47.36
	201710	N-007017-00173432	CONST E&O OVERHEADS			\$729.89
	201711	N-007017-00173432	CONST E&O OVERHEADS			\$11,348.33
70-811 Total						\$12,125.58
70-813						
	201706	N-007017-00173432	CONST OHDS CAP			\$16.93
	201707	N-007017-00173432	CONST OHDS CAP			(\$16.93)
	201708	N-007017-00173432	CONST OHDS CAP			\$8.18
	201710	N-007017-00173432	CONST OHDS CAP			\$81.43
	201711	N-007017-00173432	CONST OHDS CAP			\$1,444.48
70-813 Total						\$1,534.09
90-822						
	201706	N-007017-00173432	INTEREST CAPITALIZED			\$0.27

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201707	N-007017-00173432	INTEREST CAPITALIZED			\$0.27
	201708	N-007017-00173432	INTEREST CAPITALIZED			\$0.13
	201710	N-007017-00173432	INTEREST CAPITALIZED			\$2.43
	201711	N-007017-00173432	INTEREST CAPITALIZED			\$43.03
	201712	N-007017-00173432	INTEREST CAPITALIZED			\$38.83
90-822 Total						<u><u>\$84.96</u></u>
95-865						
	201712	N-007017-00173432	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						<u><u>\$0.00</u></u>
K7-804						
	201707	N-007017-00173432	ISSUE REVERSAL			(\$112.48)
	201711	N-007017-00173432	ISSUE REVERSAL			(\$272.76)
K7-804 Total						<u><u>(\$385.24)</u></u>
						<u><u>\$48,006.27</u></u>

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201711	N-007017-00173456	PAYROLL-ST			\$119.66
10-800 Total						\$119.66
40-805						
	201705	N-007017-00173456	VOUCHERS	NEUCO	U6904004-18	\$3,933.70
	201705	N-007017-00173456	VOUCHERS	NEUCO	U9704005-18	\$252.00
	201705	N-007017-00173456	VOUCHERS	YANKEE CLIP	021728	\$1,650.00
	201706	N-007017-00173456	VOUCHERS	NEUCO	U35C8025-18	\$164,895.90
	201706	N-007017-00173456	VOUCHERS	NEUCO	U6130005-18	\$4,503.82
	201706	N-007017-00173456	VOUCHERS	NEUCO	U9505001-18	\$5,345.61
	201706	N-007017-00173456	VOUCHERS	PAVEMENT MAINT	104412	\$1,400.00
	201707	N-007017-00173456	VOUCHERS	NEUCO	U3206003-18	\$1,077.70
	201707	N-007017-00173456	VOUCHERS	NEUCO	U6907001-18	\$2,081.58
	201708	N-007017-00173456	VOUCHERS	ELFS LANDS	38646	\$1,980.00
	201708	N-007017-00173456	VOUCHERS	ELFS LANDS	38722	\$315.00
	201708	N-007017-00173456	VOUCHERS	NEUCO	U3208001-18	\$4,138.91
	201708	N-007017-00173456	VOUCHERS	NEUCO	U3208002-18	\$560.46
	201708	N-007017-00173456	VOUCHERS	NEUCO	U6709008-18	\$4,258.00
	201709	N-007017-00173456	VOUCHERS	NEUCO	U1809001-18	\$2,885.52
	201709	N-007017-00173456	VOUCHERS	NEUCO	U9709004-18	\$73,122.72
	201710	N-007017-00173456	VOUCHERS	NEUCO	U3209007-18	\$4,608.64
	201711	N-007017-00173456	VOUCHERS	NEUCO	U3211001-19	\$59,152.24
	201711	N-007017-00173456	VOUCHERS	NEUCO	U6130035-18	\$63,739.12
	201712	N-007017-00173456	VOUCHERS	NEUCO	U3212001-19	\$51,343.97
40-805 Total						\$451,244.89
60-809						
	201711	N-007017-00173456	WORKERS COMP INS			\$1.20
60-809 Total						\$1.20
60-815						
	201711	N-007017-00173456	MEDICAL COSTS CAP.			\$31.11
60-815 Total						\$31.11
60-816						
	201711	N-007017-00173456	401K COSTS CAP.			\$5.97
60-816 Total						\$5.97
60-817						
	201711	N-007017-00173456	PBOP COSTS CAP.			\$27.52
60-817 Total						\$27.52
70-811						
	201705	N-007017-00173456	CONST E&O OVERHEADS			\$2,763.79
	201706	N-007017-00173456	CONST E&O OVERHEADS			\$83,422.43
	201707	N-007017-00173456	CONST E&O OVERHEADS			\$1,496.24
	201708	N-007017-00173456	CONST E&O OVERHEADS			\$5,329.12
	201709	N-007017-00173456	CONST E&O OVERHEADS			\$31,923.46
	201710	N-007017-00173456	CONST E&O OVERHEADS			\$1,935.63
	201711	N-007017-00173456	CONST E&O OVERHEADS			\$43,085.68

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-811						
	201712	N-007017-00173456	CONST E&O OVERHEADS			\$1,498.22
70-811 Total						\$171,454.57
70-813						
	201705	N-007017-00173456	CONST OHDS CAP			\$477.27
	201706	N-007017-00173456	CONST OHDS CAP			\$14,406.01
	201707	N-007017-00173456	CONST OHDS CAP			\$258.38
	201708	N-007017-00173456	CONST OHDS CAP			\$920.28
	201709	N-007017-00173456	CONST OHDS CAP			\$3,561.74
	201710	N-007017-00173456	CONST OHDS CAP			\$215.97
	201711	N-007017-00173456	CONST OHDS CAP			\$5,484.19
70-813 Total						\$25,323.84
80-814						
	201711	N-007017-00173456	SMALL TOOLS			\$3.59
80-814 Total						\$3.59
90-822						
	201705	N-007017-00173456	INTEREST CAPITALIZED			\$7.72
	201706	N-007017-00173456	INTEREST CAPITALIZED			\$248.31
	201707	N-007017-00173456	INTEREST CAPITALIZED			\$485.36
	201708	N-007017-00173456	INTEREST CAPITALIZED			\$504.42
	201709	N-007017-00173456	INTEREST CAPITALIZED			\$614.06
	201710	N-007017-00173456	INTEREST CAPITALIZED			\$714.58
	201711	N-007017-00173456	INTEREST CAPITALIZED			\$866.24
	201712	N-007017-00173456	INTEREST CAPITALIZED			\$500.99
90-822 Total						\$3,941.68
90-866						
	201711	N-007017-00173456	PAYROLL TAXES CAP.			\$4.79
90-866 Total						\$4.79
90-867						
	201711	N-007017-00173456	PENSION COST CAP.			\$16.73
90-867 Total						\$16.73
95-865						
	201712	N-007017-00173456	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						\$0.00
						\$652,175.55

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201708	N-007017-00173467	PAYROLL-ST			\$79.36
10-800 Total						\$79.36
27-804						
	201707	N-007017-00173467	M&S ISSUE			\$8,988.62
	201708	N-007017-00173467	M&S ISSUE			\$245.06
	201711	N-007017-00173467	M&S ISSUE			\$308.48
27-804 Total						\$9,542.16
40-805						
	201707	N-007017-00173467	VOUCHERS	NEUCO	U3507001-18	\$5,115.99
	201708	N-007017-00173467	VOUCHERS	JDH INSPECTION	17-0355	\$1,077.80
	201708	N-007017-00173467	VOUCHERS	JDH INSPECTION	17-0374	\$1,077.80
	201708	N-007017-00173467	VOUCHERS	NEUCO	U3507002-18	\$28,312.86
	201708	N-007017-00173467	VOUCHERS	NEUCO	U3507003-18	\$29,649.99
	201708	N-007017-00173467	VOUCHERS	NEUCO	U3507004-18	\$5,155.42
	201708	N-007017-00173467	VOUCHERS	NEUCO	U3507005-18	\$13,437.98
	201709	N-007017-00173467	VOUCHERS	ELFS LANDS	38763	\$2,320.00
40-805 Total						\$86,147.84
50-807						
	201707	N-007017-00173467	M/S STORES EXPENSE			\$5,393.16
	201708	N-007017-00173467	M/S STORES EXPENSE			(\$213.04)
	201711	N-007017-00173467	M/S STORES EXPENSE			(\$435.90)
50-807 Total						\$4,744.22
51-850						
	201707	N-007017-00173467	EXMPT STOCK EXPENSE			\$1,348.29
	201708	N-007017-00173467	EXMPT STOCK EXPENSE			(\$53.26)
	201711	N-007017-00173467	EXMPT STOCK EXPENSE			(\$17.44)
51-850 Total						\$1,277.59
55-857						
	201707	N-007017-00173467	EXEMPT STK STORES EXPENSE			\$808.97
	201708	N-007017-00173467	EXEMPT STK STORES EXPENSE			(\$31.96)
	201711	N-007017-00173467	EXEMPT STK STORES EXPENSE			(\$4.36)
55-857 Total						\$772.65
60-809						
	201708	N-007017-00173467	WORKERS COMP INS			\$3.97
60-809 Total						\$3.97
60-815						
	201708	N-007017-00173467	MEDICAL COSTS CAP.			\$47.62
60-815 Total						\$47.62
60-816						
	201708	N-007017-00173467	401K COSTS CAP.			\$3.96
60-816 Total						\$3.96

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-817						
	201708	N-007017-00173467	PBOP COSTS CAP.			\$19.05
60-817 Total						\$19.05
70-811						
	201707	N-007017-00173467	CONST E&O OVERHEADS			\$10,255.82
	201708	N-007017-00173467	CONST E&O OVERHEADS			\$37,051.22
	201709	N-007017-00173467	CONST E&O OVERHEADS			\$974.40
	201711	N-007017-00173467	CONST E&O OVERHEADS			(\$770.44)
70-811 Total						\$47,511.00
70-813						
	201707	N-007017-00173467	CONST OHDS CAP			\$1,771.05
	201708	N-007017-00173467	CONST OHDS CAP			\$6,398.29
	201709	N-007017-00173467	CONST OHDS CAP			\$108.72
	201711	N-007017-00173467	CONST OHDS CAP			(\$98.07)
70-813 Total						\$8,179.99
80-814						
	201708	N-007017-00173467	SMALL TOOLS			\$2.38
80-814 Total						\$2.38
90-822						
	201707	N-007017-00173467	INTEREST CAPITALIZED			\$28.63
	201708	N-007017-00173467	INTEREST CAPITALIZED			\$160.69
	201709	N-007017-00173467	INTEREST CAPITALIZED			\$267.01
	201710	N-007017-00173467	INTEREST CAPITALIZED			\$273.61
	201711	N-007017-00173467	INTEREST CAPITALIZED			\$274.70
	201712	N-007017-00173467	INTEREST CAPITALIZED			\$130.35
90-822 Total						\$1,134.99
90-866						
	201708	N-007017-00173467	PAYROLL TAXES CAP.			\$7.22
90-866 Total						\$7.22
90-867						
	201708	N-007017-00173467	PENSION COST CAP.			\$11.09
90-867 Total						\$11.09
95-865						
	201710	N-007017-00173467	MISC PLANT ADJUSTMENT			\$4,354.20
	201712	N-007017-00173467	MISC PLANT ADJUSTMENT			\$0.00
95-865 Total						\$4,354.20
K7-804						
	201708	N-007017-00173467	ISSUE REVERSAL			(\$600.14)
	201711	N-007017-00173467	ISSUE REVERSAL			(\$2,052.05)
K7-804 Total						(\$2,652.19)
						\$161,187.10

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201801	N-007017-00173499	M&S ISSUE			\$664.48
27-804 Total						<u>\$664.48</u>
50-807						
	201801	N-007017-00173499	M/S STORES EXPENSE			\$265.79
50-807 Total						<u>\$265.79</u>
51-850						
	201801	N-007017-00173499	EXMPT STOCK EXPENSE			\$86.38
51-850 Total						<u>\$86.38</u>
55-857						
	201801	N-007017-00173499	EXEMPT STK STORES EXPENSE			\$34.55
55-857 Total						<u>\$34.55</u>
70-811						
	201801	N-007017-00173499	CONST E&O OVERHEADS			\$443.61
70-811 Total						<u>\$443.61</u>
70-813						
	201801	N-007017-00173499	CONST OHDS CAP			\$62.93
70-813 Total						<u>\$62.93</u>
90-822						
	201801	N-007017-00173499	INTEREST CAPITALIZED			\$1.71
90-822 Total						<u>\$1.71</u>
						<u><u>\$1,559.45</u></u>

11/13/2018

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Northern NH Construction Authorization			AUTH: 008030 Date: 10/26/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB01 Budget Year: 2018 Description: Whitehouse Rd Rochester NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 3 Status: Completed Initiated Date: 10/26/2018 11:31:38 AM Initiated By: Johnson, Philip Finalized Date: 11/13/2018 8:44:20 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/31/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$6,874,485.00
10/31/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
11/1/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$6,874,485.00
11/1/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
11/6/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$1,237,407.00
11/8/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
11/8/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$5,637,078.00
11/9/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
11/9/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision 2 This revision is to cover the additional costs associated with the extent of ledge in this project which put the scheduled finish date back approximately 10 weeks some of the additional costs are as follows: •Estimated ledge removal was 6,100 cu/ft. Actual ledge removal is expected to be in excess of 80,000cu/ft. •Large excavations with ledge removal were needed every 80' to make room for a shoring box and welder to make daily tie ins. •Cost of welding inspection and x-ray was extended. •Police detail and flagging was extended. •Due to large excavations at both ends of road and equipment for hydro test taking up one lane of roadway there was a need for 24hr. traffic detail for two weeks at both ends of Whitehouse Rd. Due to the extended time period of this project the City of Rochester was unwilling to delay their construction project, scheduled to be done right behind us, and gave us a deadline to complete our work which also had additional costs associated with it. •Crews worked 6 day work weeks for nearly entire project, 26 Saturdays two crews each for 54 days of T&M with overtime. •A second crew was added for approximately 5 months. •Both crews worked 7 day work weeks for month of September This replacement could not be delayed or segmented. The existing main was extremely shallow and could not be worked around. Revision 1 The Whitehouse Rd Project has encountered many unanticipated challenges. There has been much more ledge encountered and areas that needed additional depth due to grade changes and culvert crossings. There were several wet areas that required 100% haul away of spoils, this has slowed the entire job and extended the costs of police and flagging detail as well. 2 police detail have been required for the entire project. To date 4500' of the 6,700' of 12" CS main has been installed, with no change in the ledge profile anticipated.				

11/13/2018

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This authorization is for the replacement of 6,700' of 8" CS with 6,700 12" CS and the replacement of 25 service with PLV's.

This project has been reviewed and approved by the local engineering department.

JUSTIFICATION

Revision 2

This revision is to cover the additional costs associated with the extent of ledge in this project which put the scheduled finish date back approximately 10 weeks some of the additional costs are as follows:

- Estimated ledge removal was 6,100 cu/ft. Actual ledge removal is expected to be in excess of 80,000cu/ft.
 - Large excavations with ledge removal were needed every 80' to make room for a shoring box and welder to make daily tie ins.
 - Cost of welding inspection and x-ray was extended.
 - Police detail and flagging was extended.
 - Due to large excavations at both ends of road and equipment for hydro test, in one lane of roadway there was a need for 24hr. traffic detail for two weeks at both ends of Whitehouse Rd.
- Due to the extended time period of this project the City of Rochester was unwilling to delay their construction project, scheduled to be done right behind us, and gave us a deadline to complete our work which also had additional costs associated with it.
- Crews worked 6 day work weeks for nearly entire project, 26 Saturdays two crews each for 54 days of T&M with overtime.
 - A second crew was added for approximately 5 months.
 - Both crews worked 7 day work weeks for month of September

This replacement could not be delayed or segmented. The existing main was extremely shallow and could not be worked around.

Revision 1:

The Whitehouse Rd Project has encountered many unanticipated challenges. There has been much more ledge encountered and areas that needed additional depth due to grade changes and culvert crossings. There were several wet areas that required 100% haul away of spoils, this has slowed the entire job and extended the costs of police and flagging detail as well. 2 police detail have been required for the entire project. To date 4500' of the 6,700' of 12" CS main has been installed, with no change in the ledge profile anticipated.

As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Rochester is doing a full depth reconstruction of Whitehouse Rd and the existing 8"CS main is in direct conflict with proposed construction. The City of Rochester has approved a proposed route for the installation of the new gas main.

State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.
NH Department of Transportation.

Total 2017 Budget: \$7,140,100
Total Authorized to Date: \$0
Total this Authorization: \$2,780,779
Remaining: \$ 4,359,321

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
00183411	Whitehouse Rd Rochester NH	\$5,637,078.00
	Total	\$5,637,078.00

8/3/2018

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Northern NH Construction Authorization			AUTH: 008030 Date: 7/17/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB01 Budget Year: 2018 Description: Whitehouse Rd Rochester NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 7/17/2018 11:55:54 AM Initiated By: Johnson, Philip Finalized Date: 8/3/2018 9:44:51 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/30/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$4,300,108.00
7/31/2018	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
7/31/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$4,300,108.00
7/31/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
8/2/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$774,019.00
7/31/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
8/2/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$3,526,089.00
8/2/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
8/2/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision 1 The Whitehouse Rd Project has encountered many unanticipated challenges. There has been much more ledge encountered and areas that needed additional depth due to grade changes and culvert crossings. There were several wet areas that required 100% haul away of spoils, this has slowed the entire job and extended the costs of police and flagging detail as well. 2 police detail have been required for the entire project. To date 4500' of the 6,700' of 12" CS main has been installed, with no change in the ledge profile anticipated.				
This authorization is for the replacement of 6,700' of 8" CS with 6,700 12" CS and the replacement of 25 service with PLV's.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
Revision 1: The Whitehouse Rd Project has encountered many unanticipated challenges. There has been much more ledge encountered and areas that needed additional depth due to grade changes and culvert crossings. There were several wet areas that required 100% haul away of spoils, this has slowed the entire job and extended the costs of police and flagging detail as well. 2 police detail have been required for the entire project. To date 4500' of the 6,700' of 12" CS main has been installed, with no change in the ledge profile anticipated.				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Rochester is doing a full depth reconstruction of Whitehouse Rd and the existing 8"CS main is in direct conflict with proposed construction. The City of Rochester has approved a proposed route for the installation of the new gas main.				
State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$0 Total this Authorization: \$2,780,779 Remaining: \$ 4,359,321				

8/3/2018

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NOTES		
AUTHORIZATION COMMENTS		
CWO Summary		
CWO	Description	Amount
00183411	Whitehouse Rd Rochester NH	\$3,526,089.00
	Total	\$3,526,089.00

2/28/2018

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Northern NH Construction Authorization			AUTH: 008030 Date: 2/16/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB01 Budget Year: 2018 Description: Whitehouse Rd Rochester NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 2/16/2018 11:13:19 AM Initiated By: Johnson, Philip Finalized Date: 2/28/2018 9:30:47 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/19/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$2,780,779.00
2/19/2018	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
2/19/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$2,780,779.00
2/19/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
2/21/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$500,540.00
2/21/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
2/21/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$2,280,239.00
2/27/2018	YES	Brock, Laurence <i>Controller & CAO</i>		
2/27/2018	YES	Meissner, Thomas <i>SVP And COO</i>		
2/27/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the replacement of 6,700' of 8" CS with 6,700 12" CS and the replacement of 25 service with PLV's. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Rochester is doing a full depth reconstruction of Whitehouse Rd and the existing 8"CS main is in direct conflict with proposed construction. The City of Rochester has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$0 Total this Authorization: \$2,780,779 Remaining: \$ 4,359,321				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183411			Whitehouse Rd Rochester NH	\$2,280,239.00
			Total	\$2,280,239.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201805	N-008030-00183411	PAYROLL-ST			\$211.38
	201809	N-008030-00183411	PAYROLL-ST			\$2,461.17
	201810	N-008030-00183411	PAYROLL-ST			\$3,367.62
10-800 Total						\$6,040.17
10-803						
	201809	N-008030-00183411	PAYROLL-OT			\$5,125.57
	201810	N-008030-00183411	PAYROLL-OT			\$1,450.90
10-803 Total						\$6,576.47
27-804						
	201804	N-008030-00183411	M&S ISSUE			\$9,320.78
	201805	N-008030-00183411	M&S ISSUE			\$841.04
	201806	N-008030-00183411	M&S ISSUE			\$58.04
	201808	N-008030-00183411	M&S ISSUE			\$9,917.22
	201809	N-008030-00183411	M&S ISSUE			\$7,883.13
	201810	N-008030-00183411	M&S ISSUE			\$13,800.15
	201812	N-008030-00183411	M&S ISSUE			\$6,912.44
27-804 Total						\$48,732.80
30-820						
	201805	N-008030-00183411	TRANSPORTATION JE			\$150.00
	201809	N-008030-00183411	TRANSPORTATION JE			\$400.00
	201810	N-008030-00183411	TRANSPORTATION JE			\$2,762.50
30-820 Total						\$3,312.50
40-805						
	201803	N-008030-00183411	VOUCHERS	CITY ROCH DPW	DPW-2018-03	\$45,000.00
	201803	N-008030-00183411	VOUCHERS	PETTY CASH NUNH	03312018	\$200.00
	201803	N-008030-00183411	VOUCHERS	PPI GAS DISTRIB	112964	\$1,065.00
	201803	N-008030-00183411	VOUCHERS	S W COLE ENGIN	84222	\$5,500.00
	201804	N-008030-00183411	VOUCHERS	COLLINS PIPE	3039376	\$20,562.31
	201804	N-008030-00183411	VOUCHERS	COLLINS PIPE	3040088	\$882.62
	201804	N-008030-00183411	VOUCHERS	MOORES CRANE	12691	\$1,126.25
	201804	N-008030-00183411	VOUCHERS	NEUCO	U9203002-19	\$5,960.14
	201804	N-008030-00183411	VOUCHERS	NEUCO	U9204001-19	\$2,938.99
	201804	N-008030-00183411	VOUCHERS	NEUCO	U9225001-19	\$36,680.38
	201805	N-008030-00183411	VOUCHERS	CAMBRIDGE VALVE	1664570	\$1,693.64
	201805	N-008030-00183411	VOUCHERS	COLLINS PIPE	3041586	\$3,692.09
	201805	N-008030-00183411	VOUCHERS	COLLINS PIPE	3044052	\$4,877.65
	201805	N-008030-00183411	VOUCHERS	CONSOLIDAT PIPE	1372420-001-000	\$104,815.69
	201805	N-008030-00183411	VOUCHERS	CONSOLIDAT PIPE	1372420-002-000	\$143,960.48
	201805	N-008030-00183411	VOUCHERS	CONSOLIDAT PIPE	137420-000-000	\$143,702.74
	201805	N-008030-00183411	VOUCHERS	I C REED & SONS	19180	\$2,499.34
	201805	N-008030-00183411	VOUCHERS	I C REED & SONS	19193	\$4,152.35
	201805	N-008030-00183411	VOUCHERS	I C REED & SONS	19219	\$2,499.34
	201805	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0158	\$1,382.00
	201805	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0161	\$10,045.00
	201805	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0179	\$9,610.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201805	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0198	\$9,775.00
	201805	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0219	\$9,917.50
	201805	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0237	\$9,587.50
	201805	N-008030-00183411	VOUCHERS	MCJUNKIN RED	8395636001	\$1,356.50
	201805	N-008030-00183411	VOUCHERS	MCJUNKIN RED	8504255000	\$99.45
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225002-19	\$76,428.58
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225003-19	\$2,601.88
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225004-19	\$3,689.78
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225005-19	\$93,428.64
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225006-19	\$13,452.23
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225007-19	\$99,703.52
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225008-19	\$8,284.27
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225009-19	\$24,400.99
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225010-19	\$93,979.53
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225011-19	\$18,120.69
	201805	N-008030-00183411	VOUCHERS	NEUCO	U9225012-19	\$121,710.96
	201805	N-008030-00183411	VOUCHERS	PPI GAS DISTRIB	114043	\$1,770.00
	201805	N-008030-00183411	VOUCHERS	QUARTER TURN	38526	\$65,835.14
	201806	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0259	\$10,435.00
	201806	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0282	\$8,140.00
	201806	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0302	\$7,610.00
	201806	N-008030-00183411	VOUCHERS	MCGRIFF SEIBEL	070653	\$125.00
	201806	N-008030-00183411	VOUCHERS	MUELLER CO	3785185	\$3,443.16
	201806	N-008030-00183411	VOUCHERS	MUELLER CO	3792265	\$2,533.13
	201806	N-008030-00183411	VOUCHERS	NEUCO	U3205007-19	\$5,505.98
	201806	N-008030-00183411	VOUCHERS	NEUCO	U9225013-19	\$90,658.22
	201806	N-008030-00183411	VOUCHERS	NEUCO	U9225014-19	\$47,792.19
	201806	N-008030-00183411	VOUCHERS	NEUCO	U9225015-19	\$115,200.30
	201806	N-008030-00183411	VOUCHERS	NEUCO	U9225016-19	\$17,316.10
	201806	N-008030-00183411	VOUCHERS	NEUCO	U9225017-19	\$44,969.63
	201806	N-008030-00183411	VOUCHERS	NEUCO	U9225018-19	\$8,856.53
	201806	N-008030-00183411	VOUCHERS	NEUCO	U9225019-19	\$26,602.57
	201807	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0317	\$9,827.50
	201807	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0331	\$12,250.00
	201807	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0355	\$9,632.50
	201807	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0374	\$11,932.00
	201807	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0406	\$2,284.50
	201807	N-008030-00183411	VOUCHERS	NEUCO	U9225020-19	\$138,011.09
	201807	N-008030-00183411	VOUCHERS	NEUCO	U9225021-19	\$33,538.85
	201807	N-008030-00183411	VOUCHERS	NEUCO	U9225022-19	\$7,533.12
	201807	N-008030-00183411	VOUCHERS	NEUCO	U9225023-19	\$131,881.77
	201807	N-008030-00183411	VOUCHERS	NEUCO	U9225024-19	\$128,411.40
	201807	N-008030-00183411	VOUCHERS	NEUCO	U9225025-19	\$31,467.08
	201807	N-008030-00183411	VOUCHERS	NEUCO	U9225027-19	\$214,272.43
	201807	N-008030-00183411	VOUCHERS	NEUCO	U9225028-19	\$48,357.95
	201807	N-008030-00183411	VOUCHERS	POWELL CONTROLS	80619	\$1,329.97
	201807	N-008030-00183411	VOUCHERS	QUALITY HARD	060820181	\$13,000.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201808	N-008030-00183411	VOUCHERS	COLLINS PIPE	3050418	\$1,219.05
	201808	N-008030-00183411	VOUCHERS	I C REED & SONS	19465	\$1,340.92
	201808	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0527	\$7,253.00
	201808	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0439	\$11,482.00
	201808	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0465	\$12,507.00
	201808	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0496	\$7,742.50
	201808	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0513	\$2,206.90
	201808	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0600	\$133.00
	201808	N-008030-00183411	VOUCHERS	MUELLER CO	3785185	(\$3,443.16)
	201808	N-008030-00183411	VOUCHERS	NEUCO	U4808004-19	\$4,288.16
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225033-19	\$208,026.38
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225034-19	\$43,429.08
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225035-19	\$88,528.07
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225036-19	\$141,303.73
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225037-19	\$217,856.97
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225038-19	\$7,039.87
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225039-19	\$115,860.35
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9708002-19	\$2,381.24
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9708003-19	\$19,691.54
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9708005-19	\$22,965.66
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225029-19	\$211,529.63
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225030-19	\$160,336.76
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225031-19	\$696.00
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9225032-19	\$4,104.12
	201808	N-008030-00183411	VOUCHERS	NEUCO	U9506005-19	\$5,911.74
	201809	N-008030-00183411	VOUCHERS	CITY ROCHESTER	14008493	\$316.35
	201809	N-008030-00183411	VOUCHERS	GRAPHIC CONTROL	NG7013	\$12.35
	201809	N-008030-00183411	VOUCHERS	GRAPHIC CONTROL	NG7399	\$12.35
	201809	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0540	\$3,611.40
	201809	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0551	\$1,455.80
	201809	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0552	\$8,638.00
	201809	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0553	\$3,863.40
	201809	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0585	\$11,144.50
	201809	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0608	\$8,866.80
	201809	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0631	\$5,766.40
	201809	N-008030-00183411	VOUCHERS	NEUCO	U9225040-19	\$41,328.85
	201809	N-008030-00183411	VOUCHERS	NEUCO	U9225041-19	\$87,751.10
	201809	N-008030-00183411	VOUCHERS	NEUCO	U9225042-19	\$58,494.92
	201809	N-008030-00183411	VOUCHERS	NEUCO	U9225043-19	\$3,400.00
	201809	N-008030-00183411	VOUCHERS	NEUCO	U9225044-19	\$56,841.37
	201809	N-008030-00183411	VOUCHERS	ONETIMEVENDOR	Ruff Easement 9-24-18	\$6,000.00
	201810	N-008030-00183411	VOUCHERS	BANK AMER VISA	BROWN ARNOLD SEPTEMBER 2018	\$52.69
	201810	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0693	\$6,530.80
	201810	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0694	\$13,320.40
	201810	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0720	\$12,325.20
	201810	N-008030-00183411	VOUCHERS	JDH INSPECTION	18-0745	\$2,277.00
	201810	N-008030-00183411	VOUCHERS	MAINE OXY SPEC	31750461	\$255.50

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201810	N-008030-00183411	VOUCHERS	MAINE OXY SPEC	31752084	\$506.20
	201810	N-008030-00183411	VOUCHERS	MAINE OXY SPEC	31757624	\$122.50
	201810	N-008030-00183411	VOUCHERS	MAINE OXY SPEC	31767870	\$49.00
	201810	N-008030-00183411	VOUCHERS	NEUCO	U4809001-19	\$1,598.44
	201810	N-008030-00183411	VOUCHERS	NEUCO	U4809005719	\$3,196.88
	201810	N-008030-00183411	VOUCHERS	NEUCO	U922504-19	\$27,545.41
	201810	N-008030-00183411	VOUCHERS	NEUCO	U9225046-19	\$72,800.00
	201810	N-008030-00183411	VOUCHERS	NEUCO	U9225047-19	\$40,870.64
	201810	N-008030-00183411	VOUCHERS	NEUCO	U9225048-19	\$70,820.80
	201810	N-008030-00183411	VOUCHERS	NEUCO	U9225049-19	\$93,371.16
	201810	N-008030-00183411	VOUCHERS	NEUCO	U9225050-19	\$61,756.53
	201810	N-008030-00183411	VOUCHERS	NEUCO	U9225051-19	\$98,469.42
	201810	N-008030-00183411	VOUCHERS	NEUCO	U9709001-19	\$45,461.52
	201810	N-008030-00183411	VOUCHERS	NEUCO	U9709002-19	\$26,385.10
	201810	N-008030-00183411	VOUCHERS	NEUCO	U9710001-19	\$11,317.70
	201810	N-008030-00183411	VOUCHERS	NEUCO	U4807004-19	\$8,894.31
	201810	N-008030-00183411	VOUCHERS	PETTY CASH NUNH	Oct 2018 Petty Cash- NUNH	\$135.50
	201811	N-008030-00183411	VOUCHERS	NEUCO	U9225052-19	\$8,687.58
	201812	N-008030-00183411	VOUCHERS	NEUCO	U1811002-19	\$9,714.11
	201812	N-008030-00183411	VOUCHERS	NEUCO	U9709003-18	\$1,546.76
	201812	N-008030-00183411	VOUCHERS	PETTY CASH NUNH	07312017	\$100.00
40-805 Total						\$4,599,911.39
50-807						
	201804	N-008030-00183411	M/S STORES EXPENSE			\$6,058.50
	201805	N-008030-00183411	M/S STORES EXPENSE			\$546.68
	201806	N-008030-00183411	M/S STORES EXPENSE			\$37.73
	201808	N-008030-00183411	M/S STORES EXPENSE			\$6,446.19
	201809	N-008030-00183411	M/S STORES EXPENSE			\$4,976.49
	201810	N-008030-00183411	M/S STORES EXPENSE			\$2,295.72
	201812	N-008030-00183411	M/S STORES EXPENSE			(\$645.07)
50-807 Total						\$19,716.24
51-850						
	201804	N-008030-00183411	EXMPT STOCK EXPENSE			\$2,796.23
	201805	N-008030-00183411	EXMPT STOCK EXPENSE			\$252.31
	201806	N-008030-00183411	EXMPT STOCK EXPENSE			\$17.41
	201808	N-008030-00183411	EXMPT STOCK EXPENSE			\$2,479.31
	201809	N-008030-00183411	EXMPT STOCK EXPENSE			\$1,914.02
	201810	N-008030-00183411	EXMPT STOCK EXPENSE			\$573.93
	201812	N-008030-00183411	EXMPT STOCK EXPENSE			(\$182.24)
51-850 Total						\$7,850.97
55-857						
	201804	N-008030-00183411	EXEMPT STK STORES EXPENSE			\$1,817.55
	201805	N-008030-00183411	EXEMPT STK STORES EXPENSE			\$164.00
	201806	N-008030-00183411	EXEMPT STK STORES EXPENSE			\$11.32
	201808	N-008030-00183411	EXEMPT STK STORES EXPENSE			\$1,611.55

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
55-857						
	201809	N-008030-00183411	EXEMPT STK STORES EXPENSE			\$1,244.11
	201810	N-008030-00183411	EXEMPT STK STORES EXPENSE			\$114.79
	201812	N-008030-00183411	EXEMPT STK STORES EXPENSE			(\$14.91)
55-857 Total						\$4,948.41
60-809						
	201805	N-008030-00183411	WORKERS COMP INS			\$6.09
	201809	N-008030-00183411	WORKERS COMP INS			\$218.50
	201810	N-008030-00183411	WORKERS COMP INS			\$96.37
60-809 Total						\$320.96
60-815						
	201805	N-008030-00183411	MEDICAL COSTS CAP.			\$61.03
	201809	N-008030-00183411	MEDICAL COSTS CAP.			\$1,744.95
	201810	N-008030-00183411	MEDICAL COSTS CAP.			\$1,397.37
60-815 Total						\$3,203.35
60-816						
	201805	N-008030-00183411	401K COSTS CAP.			\$11.04
	201809	N-008030-00183411	401K COSTS CAP.			\$396.02
	201810	N-008030-00183411	401K COSTS CAP.			\$240.93
60-816 Total						\$647.99
60-817						
	201805	N-008030-00183411	PBOP COSTS CAP.			\$20.49
	201809	N-008030-00183411	PBOP COSTS CAP.			\$735.16
	201810	N-008030-00183411	PBOP COSTS CAP.			\$385.48
60-817 Total						\$1,141.13
70-811						
	201803	N-008030-00183411	CONST E&O OVERHEADS			\$21,844.83
	201804	N-008030-00183411	CONST E&O OVERHEADS			\$37,196.66
	201805	N-008030-00183411	CONST E&O OVERHEADS			\$459,720.77
	201806	N-008030-00183411	CONST E&O OVERHEADS			\$164,289.79
	201807	N-008030-00183411	CONST E&O OVERHEADS			\$341,303.97
	201808	N-008030-00183411	CONST E&O OVERHEADS			\$565,410.81
	201809	N-008030-00183411	CONST E&O OVERHEADS			\$140,175.43
	201810	N-008030-00183411	CONST E&O OVERHEADS			\$188,084.54
	201811	N-008030-00183411	CONST E&O OVERHEADS			\$2,171.90
	201812	N-008030-00183411	CONST E&O OVERHEADS			(\$380,819.76)
70-811 Total						\$1,539,378.94
70-813						
	201803	N-008030-00183411	CONST OHDS CAP			\$3,098.98
	201804	N-008030-00183411	CONST OHDS CAP			\$5,276.84
	201805	N-008030-00183411	CONST OHDS CAP			\$65,217.38
	201806	N-008030-00183411	CONST OHDS CAP			\$23,306.64
	201807	N-008030-00183411	CONST OHDS CAP			\$68,102.05
	201808	N-008030-00183411	CONST OHDS CAP			\$112,902.98
	201809	N-008030-00183411	CONST OHDS CAP			\$27,969.90

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201810	N-008030-00183411	CONST OHDS CAP			\$35,096.91
	201811	N-008030-00183411	CONST OHDS CAP			\$466.95
	201812	N-008030-00183411	CONST OHDS CAP			(\$68,229.77)
70-813 Total						\$273,208.86
80-814						
	201805	N-008030-00183411	SMALL TOOLS			\$12.68
	201809	N-008030-00183411	SMALL TOOLS			\$303.47
	201810	N-008030-00183411	SMALL TOOLS			\$96.37
80-814 Total						\$412.52
90-822						
	201803	N-008030-00183411	INTEREST CAPITALIZED			\$69.19
	201804	N-008030-00183411	INTEREST CAPITALIZED			\$262.07
	201805	N-008030-00183411	INTEREST CAPITALIZED			\$1,842.40
	201806	N-008030-00183411	INTEREST CAPITALIZED			\$3,819.46
	201807	N-008030-00183411	INTEREST CAPITALIZED			\$5,425.09
	201808	N-008030-00183411	INTEREST CAPITALIZED			\$8,313.96
	201809	N-008030-00183411	INTEREST CAPITALIZED			\$10,568.50
	201810	N-008030-00183411	INTEREST CAPITALIZED			\$11,787.52
	201811	N-008030-00183411	INTEREST CAPITALIZED			\$12,565.87
	201812	N-008030-00183411	INTEREST CAPITALIZED			\$6,092.57
90-822 Total						\$60,746.63
90-866						
	201805	N-008030-00183411	PAYROLL TAXES CAP.			\$19.45
	201809	N-008030-00183411	PAYROLL TAXES CAP.			\$697.98
	201810	N-008030-00183411	PAYROLL TAXES CAP.			\$433.67
90-866 Total						\$1,151.10
90-867						
	201805	N-008030-00183411	PENSION COST CAP.			\$17.06
	201809	N-008030-00183411	PENSION COST CAP.			\$612.25
	201810	N-008030-00183411	PENSION COST CAP.			\$337.29
90-867 Total						\$966.60
95-865						
	201809	N-008030-00183411	MISC PLANT ADJUSTMENT			\$406.70
	201812	N-008030-00183411	MISC PLANT ADJUSTMENT			\$7,258.33
95-865 Total						\$7,665.03
K7-804						
	201809	N-008030-00183411	ISSUE REVERSAL			(\$227.04)
	201810	N-008030-00183411	ISSUE REVERSAL			(\$2,321.51)
	201812	N-008030-00183411	ISSUE REVERSAL			(\$10,762.23)
K7-804 Total						(\$13,310.78)
						\$6,572,621.28

Northern NH Construction Authorization

AUTH: **008040**
Date: **7/18/2018**
Budgeted Amount: **\$7,140,095.00**

Budget Item No: **JHB02**
Budget Year: **2018**
Description: **Barberry Ln / Green St Portsmouth**
Project Supervisor: **Johnson, Phillip**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Revision**
Sequence: **2**
Status: **Completed**
Initiated Date: **7/18/2018 9:12:16 AM**
Initiated By: **Johnson, Phillip**
Finalized Date: **8/27/2018 1:55:47 PM**
Finalized By: **Laffond, Courtney**

APPROVALS

Action Date	Approved	Approver/Title	Description	Amount
8/15/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$442,680.00
8/20/2018	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
8/20/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$442,680.00
8/20/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
8/20/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$79,682.00
8/20/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
8/21/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$362,998.00
8/21/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
8/27/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		

DESCRIPTION/SCOPE

Revision 1:

The Barberry Rd Project has had a change of scope, the original area proposed to make the tie in for the replacement main at the existing 6"CS main had coating that was very poor, it was decided to go an additional 200' to tie in to the existing main that had adequate coating.

This project was being done in conjunction with the City of Portsmouth as they made repairs to an existing rail way, which has caused several delays and much of this project was charged on a time and material basis due to several instances of the City stopping the project and having us go to another area to install main in a different location.

This authorization is for the replacement of 1,300' of 6" CS with 1,300' 8" HDPE and the replacement of (6) services.

This project has been reviewed and approved by the local engineering department.

JUSTIFICATION

Revision1:

The Barberry Rd Project has had a change of scope, the original area proposed to make the tie in for the replacement main at the existing 6"CS main had coating that was very poor, it was decided to go an additional 200' to tie in to the existing main that had adequate coating.

This project was being done in conjunction with the City of Portsmouth as they made repairs to an existing rail way, which has caused several delays and much of this project was charged on a time and material basis due to several instances of the City stopping the project and having us go to another area to install main in a different location.

Total 2017 Budget: \$7,140,100
Total Authorized to Date: \$5,431,421
Total this Authorization: \$
Cost of Revision to JHB02: \$156,058
Remaining: \$ 1,820,345

As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is doing a full depth reconstruction of railroad crossings at Barberry Ln and Green St and the existing 6"CS main is in direct conflict with proposed construction.

8/27/2018

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The City of Rochester has approved a proposed route for the installation of the new gas main.
State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.
NH Department of Transportation.

Total 2017 Budget: \$7,140,100
Total Authorized to Date: \$2,780,779
Total this Authorization: \$286,262
Remaining: \$ 4,073,059

NOTES**AUTHORIZATION COMMENTS****CWO Summary**

CWO	Description	Amount
00183412	Barberry Ln / Green St Portsmouth	\$362,998.00
	Total	\$362,998.00

Northern NH Construction Authorization			AUTH: 008040 Date: 2/23/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB02 Budget Year: 2018 Description: Barberry Ln / Green St Portsmouth Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 2/23/2018 12:56:23 PM Initiated By: Johnson, Philip Finalized Date: 3/12/2018 9:44:35 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
2/28/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$286,262.00
3/2/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
3/5/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$286,262.00
3/2/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
3/1/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$51,527.00
3/9/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$234,735.00
DESCRIPTION/SCOPE				
This authorization is for the replacement of 1,300' of 6" CS with 1,300' 8" HDPE and the replacement of (6) services. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is doing a full depth reconstruction of railroad crossings at Barberry Ln and Green St and the existing 6"CS main is in direct conflict with proposed construction. The City of Rochester has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$2,780,779 Total this Authorization: \$286,262 Remaining: \$ 4,073,059				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183412			Barberry Ln / Green St Portsmouth	\$234,735.00
			Total	\$234,735.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201804	N-008040-00183412	PAYROLL-ST			\$79.36
10-800 Total						\$79.36
27-804						
	201804	N-008040-00183412	M&S ISSUE			\$13,978.51
	201805	N-008040-00183412	M&S ISSUE			\$2,512.12
	201806	N-008040-00183412	M&S ISSUE			\$3,196.58
	201811	N-008040-00183412	M&S ISSUE			\$667.47
	201812	N-008040-00183412	M&S ISSUE			\$86.32
27-804 Total						\$20,441.00
40-805						
	201803	N-008040-00183412	VOUCHERS	BANK AMER VISA	RIPLEY FEBRUARY 2018	\$1.10
	201803	N-008040-00183412	VOUCHERS	CITY PORTS	02282018	\$2,865.00
	201804	N-008040-00183412	VOUCHERS	NEUCO	U1803002-19	\$604.76
	201804	N-008040-00183412	VOUCHERS	NEUCO	U7704001-19	\$4,411.98
	201804	N-008040-00183412	VOUCHERS	NEUCO	U9203004-19	\$778.00
	201804	N-008040-00183412	VOUCHERS	NEUCO	U9204002-19	\$571.17
	201804	N-008040-00183412	VOUCHERS	ONETIMEVENDOR	CMoo7	\$6,631.00
	201805	N-008040-00183412	VOUCHERS	BANK AMER VISA	JOHNSON APRIL 2018	\$4.00
	201805	N-008040-00183412	VOUCHERS	NEUCO	U9524001-19	\$22,185.93
	201805	N-008040-00183412	VOUCHERS	NEUCO	U9524002-19	\$25,640.02
	201805	N-008040-00183412	VOUCHERS	NEUCO	U9524003-19	\$6,212.14
	201805	N-008040-00183412	VOUCHERS	NEUCO	U9524004-19	\$23,917.41
	201805	N-008040-00183412	VOUCHERS	NEUCO	U9524005-19	\$51,995.68
	201805	N-008040-00183412	VOUCHERS	ONETIMEVENDOR	7980	\$6,418.56
	201807	N-008040-00183412	VOUCHERS	BANK AMER VISA	SAWYER JUNE 2018	\$120.00
	201807	N-008040-00183412	VOUCHERS	CITY PORTS DPW	181229	\$10,560.00
	201807	N-008040-00183412	VOUCHERS	NEUCO	U9524006-19	\$42,713.89
	201807	N-008040-00183412	VOUCHERS	NEUCO	U9524007-19	\$38,166.45
	201807	N-008040-00183412	VOUCHERS	NEUCO	U9524008-19	\$18,235.77
	201807	N-008040-00183412	VOUCHERS	NEUCO	U9524009-19	\$5,347.65
	201807	N-008040-00183412	VOUCHERS	NEUCO	U9524010-19	\$116.00
	201808	N-008040-00183412	VOUCHERS	TJW SURVEY	5265	\$1,200.00
40-805 Total						\$268,696.51
50-807						
	201804	N-008040-00183412	M/S STORES EXPENSE			\$9,086.03
	201805	N-008040-00183412	M/S STORES EXPENSE			\$1,632.92
	201806	N-008040-00183412	M/S STORES EXPENSE			\$2,077.79
	201808	N-008040-00183412	M/S STORES EXPENSE			(\$242.81)
	201811	N-008040-00183412	M/S STORES EXPENSE			(\$68.22)
	201812	N-008040-00183412	M/S STORES EXPENSE			\$17.26
50-807 Total						\$12,502.97
51-850						
	201804	N-008040-00183412	EXMPT STOCK EXPENSE			\$4,193.55
	201805	N-008040-00183412	EXMPT STOCK EXPENSE			\$753.64
	201806	N-008040-00183412	EXMPT STOCK EXPENSE			\$958.97

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
51-850						
	201808	N-008040-00183412	EXMPT STOCK EXPENSE			(\$93.39)
	201811	N-008040-00183412	EXMPT STOCK EXPENSE			(\$17.06)
	201812	N-008040-00183412	EXMPT STOCK EXPENSE			\$4.32
51-850 Total						\$5,800.03
55-857						
	201804	N-008040-00183412	EXEMPT STK STORES EXPENSE			\$2,725.81
	201805	N-008040-00183412	EXEMPT STK STORES EXPENSE			\$489.87
	201806	N-008040-00183412	EXEMPT STK STORES EXPENSE			\$623.33
	201808	N-008040-00183412	EXEMPT STK STORES EXPENSE			(\$60.70)
	201811	N-008040-00183412	EXEMPT STK STORES EXPENSE			(\$3.41)
	201812	N-008040-00183412	EXEMPT STK STORES EXPENSE			\$0.86
55-857 Total						\$3,775.76
60-809						
	201804	N-008040-00183412	WORKERS COMP INS			\$2.28
60-809 Total						\$2.28
60-815						
	201804	N-008040-00183412	MEDICAL COSTS CAP.			\$22.91
60-815 Total						\$22.91
60-816						
	201804	N-008040-00183412	401K COSTS CAP.			\$4.15
60-816 Total						\$4.15
60-817						
	201804	N-008040-00183412	PBOP COSTS CAP.			\$7.69
60-817 Total						\$7.69
70-811						
	201803	N-008040-00183412	CONST E&O OVERHEADS			\$1,209.49
	201804	N-008040-00183412	CONST E&O OVERHEADS			\$18,194.81
	201805	N-008040-00183412	CONST E&O OVERHEADS			\$59,823.69
	201806	N-008040-00183412	CONST E&O OVERHEADS			\$2,893.51
	201807	N-008040-00183412	CONST E&O OVERHEADS			\$49,561.70
	201808	N-008040-00183412	CONST E&O OVERHEADS			\$184.71
	201811	N-008040-00183412	CONST E&O OVERHEADS			(\$107.46)
	201812	N-008040-00183412	CONST E&O OVERHEADS			\$6.95
70-811 Total						\$131,767.40
70-813						
	201803	N-008040-00183412	CONST OHDS CAP			\$171.58
	201804	N-008040-00183412	CONST OHDS CAP			\$2,581.18
	201805	N-008040-00183412	CONST OHDS CAP			\$8,486.76
	201806	N-008040-00183412	CONST OHDS CAP			\$410.48
	201807	N-008040-00183412	CONST OHDS CAP			\$9,889.30
	201808	N-008040-00183412	CONST OHDS CAP			\$36.86
	201811	N-008040-00183412	CONST OHDS CAP			(\$23.10)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201812	N-008040-00183412	CONST OHDS CAP			\$9.11
70-813 Total						\$21,562.17
80-814						
	201804	N-008040-00183412	SMALL TOOLS			\$4.76
80-814 Total						\$4.76
90-822						
	201803	N-008040-00183412	INTEREST CAPITALIZED			\$3.83
	201804	N-008040-00183412	INTEREST CAPITALIZED			\$74.09
	201805	N-008040-00183412	INTEREST CAPITALIZED			\$331.58
	201806	N-008040-00183412	INTEREST CAPITALIZED			\$533.83
	201807	N-008040-00183412	INTEREST CAPITALIZED			\$702.59
	201808	N-008040-00183412	INTEREST CAPITALIZED			\$860.54
	201811	N-008040-00183412	INTEREST CAPITALIZED			\$430.14
90-822 Total						\$2,936.60
90-866						
	201804	N-008040-00183412	PAYROLL TAXES CAP.			\$7.30
90-866 Total						\$7.30
90-867						
	201804	N-008040-00183412	PENSION COST CAP.			\$6.40
90-867 Total						\$6.40
K7-804						
	201808	N-008040-00183412	ISSUE REVERSAL			(\$373.55)
	201811	N-008040-00183412	ISSUE REVERSAL			(\$1,008.61)
K7-804 Total						(\$1,382.16)
						\$466,235.13

Northern NH Construction Authorization

AUTH: **008042**
Date: **10/8/2018**
Budgeted Amount: **\$7,140,095.00**

Budget Item No: **JHB03**
Budget Year: **2018**
Description: **Stark St Bridge Portsmouth**
Project Supervisor: **Johnson, Phillip**
Crew Days: **0**
Start Date:
Completion Date:

Type: **Revision**
Sequence: **2**
Status: **Completed**
Initiated Date: **10/8/2018 10:28:17 AM**
Initiated By: **Johnson, Phillip**
Finalized Date: **11/13/2018 8:33:07 AM**
Finalized By: **Laffond, Courtney**

APPROVALS

Action Date	Approved	Approver/Title
10/31/2018	YES	Laffond, Courtney <i>Plant Accountant</i>
10/31/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>
11/1/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>
11/1/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>
11/6/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>
11/8/2018	YES	Sprague, Kevin <i>Director Engineering</i>
11/8/2018	YES	Main, Dan <i>Assistant Controller</i>
11/9/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>
11/9/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>

ESTIMATED COST SUMMARY

Description	Amount
Total Project Cost:	\$254,045.00
Less Customer Contribution:	\$0.00
Net Authorized Cost:	\$254,045.00
Retirement:	\$0.00
Cost Of Removal:	\$45,728.00
Salvage:	\$0.00
CWO Total:	\$208,317.00

DESCRIPTION/SCOPE

Revision1

This revision is for costs associated with ledge encountered on a portion of this project at the tie in at Dennett St. and additional police detail time and welding inspection.

This project was being done in conjunction with the NHDOT as they were constructing a new bridge, which has caused several delays and much of this project was charged on a time and material basis due to several instances of the NHDOT stopping the project and having us go to another area to install main in a different location.

This authorization is for the installation of 500' of 6" HDPE main and 200' of 4" HDPE main crossing the Stark St Bridge.
This project has been reviewed and approved by the local engineering department.

JUSTIFICATION

Revision1

This revision is for costs associated with ledge encountered on a portion of this project at the tie in at Dennett St. and additional police detail time and welding inspection.

This project was being done in conjunction with the NHDOT as they were constructing a new bridge, which has caused several delays and much of this project was charged on a time and material basis due to several instances of the NHDOT stopping the project and having us go to another area to install main in a different location.

Revision Cost for JHB03: \$94,050
Remaining Budget: \$853,028

As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is working on a bridge replacement project. We will be install gas main across Stark St bridge during construction so they can complete future work on the Woodbury Ave bridge
State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.
NH Department of Transportation.

Total 2017 Budget: \$7,140,100

11/13/2018

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Total Authorized to Date: \$3,067,041

Total this Authorization: \$159,995

Remaining: \$ 3,913,064

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
00183414	Stark St Bridge Portsmouth	\$208,317.00
	Total	\$208,317.00

3/16/2018

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Northern NH Construction Authorization			AUTH: 008042 Date: 3/5/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB03 Budget Year: 2018 Description: Stark St Bridge Portsmouth Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 3/5/2018 1:54:41 PM Initiated By: Johnson, Philip Finalized Date: 3/16/2018 10:10:39 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/9/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$159,995.00
3/9/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
3/9/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$159,995.00
3/12/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
3/12/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$28,799.00
3/12/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$131,196.00
DESCRIPTION/SCOPE				
This authorization is for the installation of 500' of 6" HDPE main and 200' of 4" HDPE main crossing the Stark St Bridge. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is working on a bridge replacement project. We will be install gas main across Stark St bridge during construction so they can complete future work on the Woodbury Ave bridge State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$3,067,041 Total this Authorization: \$159,995 Remaining: \$ 3,913,064				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183414			Stark St Bridge Portsmouth	\$131,196.00
			Total	\$131,196.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201806	N-008042-00183414	M&S ISSUE			\$2,134.40
	201807	N-008042-00183414	M&S ISSUE			\$7,149.29
	201808	N-008042-00183414	M&S ISSUE			\$2,529.85
	201811	N-008042-00183414	M&S ISSUE			\$189.28
	201812	N-008042-00183414	M&S ISSUE			\$550.43
27-804 Total						\$12,553.25
40-805						
	201805	N-008042-00183414	VOUCHERS	GRAYBAR ELEC	9304102172	\$163.27
	201805	N-008042-00183414	VOUCHERS	GRAYBAR ELEC	9304149925	\$28.87
	201805	N-008042-00183414	VOUCHERS	LINN BROWN AS	007242	\$1,175.94
	201805	N-008042-00183414	VOUCHERS	MULCARE ENGINEE	MPSI-91179	\$321.60
	201805	N-008042-00183414	VOUCHERS	MULCARE ENGINEE	MPSI-91192	\$316.68
	201805	N-008042-00183414	VOUCHERS	PROCESS PIPE	100725	\$2,295.31
	201806	N-008042-00183414	VOUCHERS	COLLINS PIPE	3044910	\$1,258.67
	201806	N-008042-00183414	VOUCHERS	MCJUNKIN RED	8725069001	\$98.28
	201807	N-008042-00183414	VOUCHERS	BADGER INDUST	102982	\$1,458.60
	201808	N-008042-00183414	VOUCHERS	BANK AMER VISA	JOHNSON PHIL JULY 2018	\$747.67
	201808	N-008042-00183414	VOUCHERS	CONSOLIDAT PIPE	1381496-000-000	\$11,739.45
	201808	N-008042-00183414	VOUCHERS	JDH INSPECTION	18-0484	\$707.68
	201808	N-008042-00183414	VOUCHERS	JDH INSPECTION	18-0443	\$1,077.80
	201808	N-008042-00183414	VOUCHERS	NEUCO	U4808001-19	\$11,652.05
	201808	N-008042-00183414	VOUCHERS	NEUCO	U4808003-19	\$6,043.76
	201808	N-008042-00183414	VOUCHERS	NEUCO	U4808005-19	\$17,461.30
	201808	N-008042-00183414	VOUCHERS	NEUCO	U4807002-19	\$12,323.11
	201808	N-008042-00183414	VOUCHERS	NEUCO	U4807003-19	\$16,307.64
	201808	N-008042-00183414	VOUCHERS	NEUCO	U4807004-19	\$8,894.31
	201808	N-008042-00183414	VOUCHERS	NEUCO	U4807006-19	\$22,507.25
	201808	N-008042-00183414	VOUCHERS	NEUCO	U4807007-19	\$11,037.58
	201809	N-008042-00183414	VOUCHERS	BANK AMER VISA	JOHNSON PHIL AUGUST 2018	\$2.00
	201809	N-008042-00183414	VOUCHERS	JDH INSPECTION	18-0561	\$3,745.50
	201809	N-008042-00183414	VOUCHERS	NEUCO	U4808006-19	\$10,995.92
	201810	N-008042-00183414	VOUCHERS	NEUCO	U4809003-19	\$8,346.45
	201810	N-008042-00183414	VOUCHERS	NEUCO	UA309004-19	\$3,196.88
	201810	N-008042-00183414	VOUCHERS	NEUCO	U4807004-19	(\$8,894.31)
	201812	N-008042-00183414	VOUCHERS	NEUCO	U951104-019	\$2,169.89
40-805 Total						\$147,179.15
50-807						
	201806	N-008042-00183414	M/S STORES EXPENSE			\$1,387.36
	201807	N-008042-00183414	M/S STORES EXPENSE			\$4,621.44
	201808	N-008042-00183414	M/S STORES EXPENSE			\$1,471.23
	201809	N-008042-00183414	M/S STORES EXPENSE			(\$13.95)
	201811	N-008042-00183414	M/S STORES EXPENSE			(\$49.76)
	201812	N-008042-00183414	M/S STORES EXPENSE			\$9.54
50-807 Total						\$7,425.86

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
51-850						
	201806	N-008042-00183414	EXMPT STOCK EXPENSE			\$640.32
	201807	N-008042-00183414	EXMPT STOCK EXPENSE			\$1,777.48
	201808	N-008042-00183414	EXMPT STOCK EXPENSE			\$565.85
	201809	N-008042-00183414	EXMPT STOCK EXPENSE			(\$5.37)
	201811	N-008042-00183414	EXMPT STOCK EXPENSE			(\$12.44)
	201812	N-008042-00183414	EXMPT STOCK EXPENSE			\$2.39
51-850 Total						\$2,968.23
55-857						
	201806	N-008042-00183414	EXEMPT STK STORES EXPENSE			\$416.21
	201807	N-008042-00183414	EXEMPT STK STORES EXPENSE			\$1,155.36
	201808	N-008042-00183414	EXEMPT STK STORES EXPENSE			\$367.80
	201809	N-008042-00183414	EXEMPT STK STORES EXPENSE			(\$3.49)
	201811	N-008042-00183414	EXEMPT STK STORES EXPENSE			(\$2.49)
	201812	N-008042-00183414	EXEMPT STK STORES EXPENSE			\$0.48
55-857 Total						\$1,933.87
70-811						
	201805	N-008042-00183414	CONST E&O OVERHEADS			\$1,815.30
	201806	N-008042-00183414	CONST E&O OVERHEADS			\$2,504.67
	201807	N-008042-00183414	CONST E&O OVERHEADS			\$6,932.80
	201808	N-008042-00183414	CONST E&O OVERHEADS			\$53,822.19
	201809	N-008042-00183414	CONST E&O OVERHEADS			\$6,320.63
	201810	N-008042-00183414	CONST E&O OVERHEADS			(\$361.55)
	201811	N-008042-00183414	CONST E&O OVERHEADS			(\$78.38)
	201812	N-008042-00183414	CONST E&O OVERHEADS			\$142.51
70-811 Total						\$71,098.17
70-813						
	201805	N-008042-00183414	CONST OHDS CAP			\$257.53
	201806	N-008042-00183414	CONST OHDS CAP			\$355.31
	201807	N-008042-00183414	CONST OHDS CAP			\$1,383.32
	201808	N-008042-00183414	CONST OHDS CAP			\$10,739.41
	201809	N-008042-00183414	CONST OHDS CAP			\$1,261.19
	201810	N-008042-00183414	CONST OHDS CAP			(\$117.85)
	201811	N-008042-00183414	CONST OHDS CAP			(\$16.85)
	201812	N-008042-00183414	CONST OHDS CAP			\$186.74
70-813 Total						\$14,048.80
90-822						
	201805	N-008042-00183414	INTEREST CAPITALIZED			\$5.75
	201806	N-008042-00183414	INTEREST CAPITALIZED			\$20.78
	201807	N-008042-00183414	INTEREST CAPITALIZED			\$56.50
	201808	N-008042-00183414	INTEREST CAPITALIZED			\$255.48
	201809	N-008042-00183414	INTEREST CAPITALIZED			\$449.78
	201810	N-008042-00183414	INTEREST CAPITALIZED			\$485.69
	201811	N-008042-00183414	INTEREST CAPITALIZED			\$499.39

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201812	N-008042-00183414	INTEREST CAPITALIZED			\$250.63
90-822 Total						\$2,024.00
95-865						
	201809	N-008042-00183414	MISC PLANT ADJUSTMENT			\$1,526.62
	201810	N-008042-00183414	MISC PLANT ADJUSTMENT			\$11,910.00
95-865 Total						\$13,436.62
K7-804						
	201807	N-008042-00183414	ISSUE REVERSAL			(\$39.39)
	201808	N-008042-00183414	ISSUE REVERSAL			(\$266.45)
	201809	N-008042-00183414	ISSUE REVERSAL			(\$21.47)
	201811	N-008042-00183414	ISSUE REVERSAL			(\$438.12)
	201812	N-008042-00183414	ISSUE REVERSAL			(\$502.64)
K7-804 Total						(\$1,268.07)
						\$271,399.88

7/24/2018

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Northern NH Construction Authorization			AUTH: 008045 Date: 6/7/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB04 Budget Year: 2018 Description: 828 Central Ave Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 6/7/2018 11:38:32 AM Initiated By: Johnson, Philip Finalized Date: 7/24/2018 2:08:51 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/12/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$164,633.00
7/12/2018	YES	Northrup, Tressa <i>Utility Acctg And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
7/12/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$164,633.00
7/17/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
7/16/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$29,639.00
7/18/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
7/18/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$134,994.00
7/18/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
7/23/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision 1: Scope change, the tie in locations were extended another 250' of 6" main and paving restoration changes included a 1' cut back of trench and paving of an additional 1,500 sq/ft. Due to the amount of underground utilities that needed to be worked around, most of this job was done on T&M.				
This authorization is for the relocation of 575' of 6" CS main, it will be replaced with 575' of 6" HDPE.				
This project has been reviewed and approved by the local engineering department.				
The corrosion department supervisor has approved and gave installation detail on this project.				
JUSTIFICATION				
Revision 1: Tie in location and paving requirements were changed after original estimate.				
Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$3,512,839 Total this Authorization: \$124,995 Cost of Revision to JHB04: \$93,937 Remaining: \$ 3,676,053				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Dover is working at the intersection of Central Ave and Glenwood Ave for intersection improvements. There are direct conflicts with the existing gas main.				
State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.				
NH Department of Transportation.				
Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$3,227,036 Total this Authorization: \$70,726 Remaining: \$ 3,842,338				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount

7/24/2018

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00183416	828 Central Ave Dover NH	\$134,994.00
	Total	\$134,994.00

Northern NH Construction Authorization			AUTH: 008045 Date: 4/12/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB04 Budget Year: 2018 Description: 828 Central Ave Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 4/12/2018 7:49:11 AM Initiated By: Johnson, Philip Finalized Date: 4/23/2018 7:58:05 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/13/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$70,726.00
4/16/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
4/16/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$70,726.00
4/20/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
4/17/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$12,730.00
4/20/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$57,996.00
DESCRIPTION/SCOPE				
This authorization is for the relocation of 575' of 6" CS main, it will be replaced with 575' of 6" HDPE. This project has been reviewed and approved by the local engineering department. The corrosion department supervisor has approved and gave installation detail on this project.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Dover is working at the intersection of Central Ave and Glenwood Ave for intersection improvements. There are direct conflicts with the existing gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$3,227,036 Total this Authorization: \$70,726 Remaining: \$ 3,842,338				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183416			828 Central Ave Dover NH	\$57,996.00
			Total	\$57,996.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201805	N-008045-00183416	PAYROLL-ST			\$400.44
10-800 Total						\$400.44
10-803						
	201805	N-008045-00183416	PAYROLL-OT			\$150.17
10-803 Total						\$150.17
27-804						
	201805	N-008045-00183416	M&S ISSUE			\$11,865.29
	201810	N-008045-00183416	M&S ISSUE			\$2,299.08
27-804 Total						\$14,164.37
30-820						
	201805	N-008045-00183416	TRANSPORTATION JE			\$375.00
30-820 Total						\$375.00
40-805						
	201805	N-008045-00183416	VOUCHERS	JDH INSPECTION	18-0207	\$1,833.80
	201805	N-008045-00183416	VOUCHERS	JDH INSPECTION	18-0245	\$1,455.40
	201805	N-008045-00183416	VOUCHERS	NEUCO	U4804003-19	\$37,698.05
	201805	N-008045-00183416	VOUCHERS	NEUCO	U4804004-19	\$6,435.57
	201805	N-008045-00183416	VOUCHERS	NEUCO	U4805001-19	\$45,609.77
40-805 Total						\$93,032.59
50-807						
	201805	N-008045-00183416	M/S STORES EXPENSE			\$4,023.86
	201810	N-008045-00183416	M/S STORES EXPENSE			\$459.82
50-807 Total						\$4,483.68
51-850						
	201805	N-008045-00183416	EXMPT STOCK EXPENSE			\$1,857.15
	201810	N-008045-00183416	EXMPT STOCK EXPENSE			\$114.95
51-850 Total						\$1,972.10
55-857						
	201805	N-008045-00183416	EXEMPT STK STORES EXPENSE			\$1,207.15
	201810	N-008045-00183416	EXEMPT STK STORES EXPENSE			\$22.99
55-857 Total						\$1,230.14
60-809						
	201805	N-008045-00183416	WORKERS COMP INS			\$15.85
60-809 Total						\$15.85
60-815						
	201805	N-008045-00183416	MEDICAL COSTS CAP.			\$158.96
60-815 Total						\$158.96
60-816						
	201805	N-008045-00183416	401K COSTS CAP.			\$28.74
60-816 Total						\$28.74

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-817						
	201805	N-008045-00183416	PBOP COSTS CAP.			\$53.35
60-817 Total						\$53.35
70-811						
	201805	N-008045-00183416	CONST E&O OVERHEADS			\$45,416.43
	201810	N-008045-00183416	CONST E&O OVERHEADS			\$869.05
70-811 Total						\$46,285.48
70-813						
	201805	N-008045-00183416	CONST OHDS CAP			\$6,442.91
	201810	N-008045-00183416	CONST OHDS CAP			\$161.93
70-813 Total						\$6,604.84
80-814						
	201805	N-008045-00183416	SMALL TOOLS			\$33.04
80-814 Total						\$33.04
90-822						
	201805	N-008045-00183416	INTEREST CAPITALIZED			\$147.75
	201808	N-008045-00183416	INTEREST CAPITALIZED			\$298.84
	201810	N-008045-00183416	INTEREST CAPITALIZED			\$153.25
90-822 Total						\$599.84
90-866						
	201805	N-008045-00183416	PAYROLL TAXES CAP.			\$50.66
90-866 Total						\$50.66
90-867						
	201805	N-008045-00183416	PENSION COST CAP.			\$44.44
90-867 Total						\$44.44
95-865						
	201808	N-008045-00183416	MISC PLANT ADJUSTMENT			\$3,037.41
	201811	N-008045-00183416	MISC PLANT ADJUSTMENT			\$1,828.17
95-865 Total						\$4,865.58
K7-804						
	201805	N-008045-00183416	ISSUE REVERSAL			(\$5,674.79)
K7-804 Total						(\$5,674.79)
						\$168,874.48

11/13/2018

webops.unitil.com/budget/auth_print.asp?mode=start&set=blank&auth_id=9241

Northern NH Construction Authorization			AUTH: 008047 Date: 10/26/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB05 Budget Year: 2018 Description: Woodbury Ave / Piscataqua Dr Newington Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 4 Status: Completed Initiated Date: 10/26/2018 8:18:33 AM Initiated By: Johnson, Philip Finalized Date: 11/13/2018 8:42:05 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/31/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$311,713.00
10/31/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
11/1/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$311,713.00
11/1/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
11/6/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$56,108.00
11/8/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
11/8/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$255,605.00
11/9/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
11/9/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision 3 Revision 2 was sent through with only the cost of the revision, not the total estimated cost. Revision 2 This revision is for the additional costs associated with a scope change. The tie in for the 4" coated steel main feeding Newington Mall needed to be extended due to poor coating on the existing main. New 4" HDPE was installed to the point where good coating could be found. Revision: Tie in locations in Woodbury Ave were extremely deep (7'-8') and required timber shoring. Both tie ins will add several days to the total project. The work area in the front of Newington Mall is very wet and will need extensive restoration due to high public visibility. Police Detail will also increase with the added days on this project. 2 detail per day as required by NHDOT. Original: This authorization is for the relocation of 700' of 6" CS main in Woodbury Ave, it will be replaced with 700' of 6" HDPE. There will also be a relocation of 300' of 2" HDPE in Picataqua Dr. The corrosion department has reviewed and given detail on CP. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
Revision 3 Revision 2 was sent through with only the cost of the revision, not the total estimated cost. Revision 2 This revision is for the additional costs associated with a scope change. The tie in for the 4" coated steel main feeding Newington Mall needed to be extended due to poor coating on the existing main. New 4" HDPE was installed to the point where good coating could be found. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$5,888,484 Total this Authorization: \$ 97,099				

11/13/2018

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Total cost of Revision to JHB05 \$58,041
Remaining: \$ 1,031,705

Revision:

Tie in locations in Woodbury Ave were extremely deep (7'-8') and required timber shoring. Both tie ins will add several days to the total project.

The work area in the front of Newington Mall is very wet and will need extensive restoration.
Police Detail will also increase with the added days on this project

Total 2017 Budget: \$7,140,100
Total Authorized to Date: \$3,731,771
Total this Authorization: \$60,510
Cost of Revision to JHB05: \$119,811
Remaining: \$ 3,495,732

As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The NHDOT is working in Woodbury Ave and Piscataqua Dr. and there are direct conflicts with the existing gas main.

State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.

NH Department of Transportation.

Total 2017 Budget: \$7,140,100
Total Authorized to Date: \$3,297,762
Total this Authorization: \$133,862
Remaining: \$ 3,976,200

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
00183420	Woodbury Ave / Piscataqua Dr Newington	\$255,605.00
	Total	\$255,605.00

10/22/2018

webops.unitil.com/budget/auth_print.asp?mode=start&set=blank&auth_id=9215

Northern NH Construction Authorization			AUTH: 008047 Date: 10/5/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB05 Budget Year: 2018 Description: Woodbury Ave / Piscataqua Dr Newington Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 3 Status: Completed Initiated Date: 10/5/2018 11:14:08 AM Initiated By: Johnson, Philip Finalized Date: 10/22/2018 8:22:31 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/17/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$56,108.00
10/17/2018	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
10/18/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$56,108.00
10/18/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
10/18/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$56,108.00
10/18/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
10/18/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$0.00
10/18/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
10/19/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision 2 This revision is for the additional costs associated with a scope change. The tie in for the 4" coated steel main feeding Newington Mall needed to be extended due to poor coating on the existing main. New 4" HDPE was installed to the point where good coating could be found. Revision: Tie in locations in Woodbury Ave were extremely deep (7'-8') and required timber shoring. Both tie ins will add several days to the total project. The work area in the front of Newington Mall is very wet and will need extensive restoration due to high public visibility. Police Detail will also increase with the added days on this project. 2 detail per day as required by NHDOT. Original: This authorization is for the relocation of 700' of 6" CS main in Woodbury Ave, it will be replaced with 700' of 6" HDPE. There will also be a relocation of 300' of 2" HDPE in Picataqua Dr. The corrosion department has reviewed and given detail on CP. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
Revision 2 This revision is for the additional costs associated with a scope change. The tie in for the 4" coated steel main feeding Newington Mall needed to be extended due to poor coating on the existing main. New 4" HDPE was installed to the point where good coating could be found. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$5,888,484 Total this Authorization: \$ 97,099 Total cost of Revision to JHB05 \$58,041 Remaining: \$ 1,031,705				
Revision:				

10/22/2018

webops.unitil.com/budget/auth_print.asp?mode=start&set=blank&auth_id=9215

Tie in locations in Woodbury Ave were extremely deep (7'-8') and required timber shoring. Both tie ins will add several days to the total project.

The work area in the front of Newington Mall is very wet and will need extensive restoration.
Police Detail will also increase with the added days on this project

Total 2017 Budget: \$7,140,100
Total Authorized to Date: \$3,731,771
Total this Authorization: \$60,510
Cost of Revision to JHB05: \$119,811
Remaining: \$ 3,495,732

As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The NHDOT is working in Woodbury Ave and Piscataqua Dr. and there are direct conflicts with the existing gas main.

State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.

NH Department of Transportation.

Total 2017 Budget: \$7,140,100
Total Authorized to Date: \$3,297,762
Total this Authorization: \$133,862
Remaining: \$ 3,976,200

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
00183420	Woodbury Ave / Piscataqua Dr Newington	\$0.00
	Total	\$0.00

7/24/2018

webops.unitil.com/budget/auth_print.asp?mode=start&set=blank&auth_id=9101

Northern NH Construction Authorization			AUTH: 008047 Date: 7/10/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB05 Budget Year: 2018 Description: Woodbury Ave / Piscataqua Dr Newington Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 7/10/2018 2:53:00 PM Initiated By: Johnson, Philip Finalized Date: 7/24/2018 2:09:22 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
7/17/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$253,672.00
7/17/2018	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
7/17/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$253,672.00
7/17/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
7/18/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$45,661.00
7/18/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
7/18/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$208,011.00
7/18/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
7/23/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision: Tie in locations in Woodbury Ave were extremely deep (7'-8') and required timber shoring. Both tie ins will add several days to the total project. The work area in the front of Newington Mall is very wet and will need extensive restoration due to high public visibility. Police Detail will also increase with the added days on this project. 2 detail per day as required by NHDOT.				
Original: This authorization is for the relocation of 700' of 6" CS main in Woodbury Ave, it will be replaced with 700' of 6" HDPE. There will also be a relocation of 300' of 2" HDPE in Picataqua Dr. The corrosion department has reviewed and given detail on CP. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
Revision: Tie in locations in Woodbury Ave were extremely deep (7'-8') and required timber shoring. Both tie ins will add several days to the total project. The work area in the front of Newington Mall is very wet and will need extensive restoration. Police Detail will also increase with the added days on this project Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$3,731,771 Total this Authorization: \$60,510 Cost of Revision to JHB05: \$119,811 Remaining: \$ 3,495,732				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The NHDOT is working in Woodbury Ave and Piscataqua Dr. and there are direct conflicts with the existing gas main.				

7/24/2018

webops.unitil.com/budget/auth_print.asp?mode=start&set=blank&auth_id=9101

State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.

NH Department of Transportation.

Total 2017 Budget: \$7,140,100
Total Authorized to Date: \$3,297,762
Total this Authorization: \$133,862
Remaining: \$ 3,976,200

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
00183420	Woodbury Ave / Piscataqua Dr Newington	\$208,011.00
	Total	\$208,011.00

Northern NH Construction Authorization			AUTH: 008047 Date: 4/23/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB05 Budget Year: 2018 Description: Woodbury Ave / Piscataqua Dr Newington Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 4/23/2018 10:44:40 AM Initiated By: Johnson, Philip Finalized Date: 5/1/2018 3:01:17 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/24/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$133,862.00
4/24/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
4/30/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$133,862.00
4/26/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
4/25/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$24,095.00
4/30/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$109,767.00
DESCRIPTION/SCOPE				
This authorization is for the relocation of 700' of 6" CS main in Woodbury Ave, it will be replaced with 700' of 6" HDPE. There will also be a relocation of 300' of 2" HDPE in Picataqua Dr. The corrosion department has reviewed and given detail on CP. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The NHDOT is working in Woodbury Ave and Piscataqua Dr. and there are direct conflicts with the existing gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$3,297,762 Total this Authorization: \$133,862 Remaining: \$ 3,976,200				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO	Description			Amount
00183420	Woodbury Ave / Piscataqua Dr Newington			\$109,767.00
			Total	\$109,767.00

NU Cost Record
Unitl

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201806	N-008047-00183420	PAYROLL-ST			\$555.61
10-800 Total						\$555.61
27-804						
	201805	N-008047-00183420	M&S ISSUE			\$13,912.25
	201806	N-008047-00183420	M&S ISSUE			\$2,303.07
	201810	N-008047-00183420	M&S ISSUE			\$677.99
27-804 Total						\$16,893.31
30-820						
	201806	N-008047-00183420	TRANSPORTATION JE			\$200.00
30-820 Total						\$200.00
40-805						
	201805	N-008047-00183420	VOUCHERS	NEUCO	U3505002-19	\$46,373.88
	201806	N-008047-00183420	VOUCHERS	JDH INSPECTION	18-0288	\$2,181.40
	201806	N-008047-00183420	VOUCHERS	JDH INSPECTION	18-0307	\$777.40
	201806	N-008047-00183420	VOUCHERS	NEUCO	U3505003-19	\$35,751.83
	201806	N-008047-00183420	VOUCHERS	NEUCO	U3505004-19	\$29,102.89
	201806	N-008047-00183420	VOUCHERS	NEUCO	U3505005-19	\$20,063.80
	201806	N-008047-00183420	VOUCHERS	NEUCO	U3506001-19	\$4,973.00
	201807	N-008047-00183420	VOUCHERS	JDH INSPECTION	18-0320	\$1,827.10
	201807	N-008047-00183420	VOUCHERS	NEUCO	U3506002-19	\$21,171.58
	201807	N-008047-00183420	VOUCHERS	NEUCO	U3506003-19	\$33,511.20
	201809	N-008047-00183420	VOUCHERS	MUELLER CO	3861527	\$1,572.57
	201809	N-008047-00183420	VOUCHERS	TREASURER NHDOT	T712586	\$840.68
40-805 Total						\$198,147.33
50-807						
	201805	N-008047-00183420	M/S STORES EXPENSE			\$8,906.77
	201806	N-008047-00183420	M/S STORES EXPENSE			\$1,159.17
	201809	N-008047-00183420	M/S STORES EXPENSE			(\$9.13)
	201810	N-008047-00183420	M/S STORES EXPENSE			(\$255.64)
50-807 Total						\$9,801.17
51-850						
	201805	N-008047-00183420	EXMPT STOCK EXPENSE			\$4,110.82
	201806	N-008047-00183420	EXMPT STOCK EXPENSE			\$535.01
	201809	N-008047-00183420	EXMPT STOCK EXPENSE			(\$3.51)
	201810	N-008047-00183420	EXMPT STOCK EXPENSE			(\$63.91)
51-850 Total						\$4,578.41
55-857						
	201805	N-008047-00183420	EXEMPT STK STORES EXPENSE			\$2,672.03
	201806	N-008047-00183420	EXEMPT STK STORES EXPENSE			\$347.76
	201809	N-008047-00183420	EXEMPT STK STORES EXPENSE			(\$2.28)
	201810	N-008047-00183420	EXEMPT STK STORES EXPENSE			(\$12.78)
55-857 Total						\$3,004.73

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-809						
	201806	N-008047-00183420	WORKERS COMP INS			\$16.00
60-809 Total						\$16.00
60-815						
	201806	N-008047-00183420	MEDICAL COSTS CAP.			\$160.40
60-815 Total						\$160.40
60-816						
	201806	N-008047-00183420	401K COSTS CAP.			\$29.00
60-816 Total						\$29.00
60-817						
	201806	N-008047-00183420	PBOP COSTS CAP.			\$53.84
60-817 Total						\$53.84
70-811						
	201805	N-008047-00183420	CONST E&O OVERHEADS			\$31,973.35
	201806	N-008047-00183420	CONST E&O OVERHEADS			\$41,279.95
	201807	N-008047-00183420	CONST E&O OVERHEADS			\$24,299.25
	201809	N-008047-00183420	CONST E&O OVERHEADS			\$1,025.25
	201810	N-008047-00183420	CONST E&O OVERHEADS			(\$483.17)
70-811 Total						\$98,094.63
70-813						
	201805	N-008047-00183420	CONST OHDS CAP			\$4,535.84
	201806	N-008047-00183420	CONST OHDS CAP			\$5,856.10
	201807	N-008047-00183420	CONST OHDS CAP			\$4,848.55
	201809	N-008047-00183420	CONST OHDS CAP			\$204.57
	201810	N-008047-00183420	CONST OHDS CAP			(\$90.03)
70-813 Total						\$15,355.03
80-814						
	201806	N-008047-00183420	SMALL TOOLS			\$33.34
80-814 Total						\$33.34
90-822						
	201805	N-008047-00183420	INTEREST CAPITALIZED			\$109.90
	201806	N-008047-00183420	INTEREST CAPITALIZED			\$351.67
	201807	N-008047-00183420	INTEREST CAPITALIZED			\$560.80
	201808	N-008047-00183420	INTEREST CAPITALIZED			\$643.02
	201809	N-008047-00183420	INTEREST CAPITALIZED			\$651.22
	201810	N-008047-00183420	INTEREST CAPITALIZED			\$326.04
90-822 Total						\$2,642.65
90-866						
	201806	N-008047-00183420	PAYROLL TAXES CAP.			\$51.12
90-866 Total						\$51.12

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-867						
	201806	N-008047-00183420	PENSION COST CAP.			\$44.84
90-867 Total						<u>\$44.84</u>
95-865						
	201808	N-008047-00183420	MISC PLANT ADJUSTMENT			\$4,503.96
95-865 Total						<u>\$4,503.96</u>
K7-804						
	201805	N-008047-00183420	ISSUE REVERSAL			(\$209.52)
	201806	N-008047-00183420	ISSUE REVERSAL			(\$519.72)
	201809	N-008047-00183420	ISSUE REVERSAL			(\$14.04)
	201810	N-008047-00183420	ISSUE REVERSAL			(\$1,956.22)
K7-804 Total						<u>(\$2,699.50)</u>
						<u><u>\$351,465.87</u></u>

6/11/2018

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Northern NH Construction Authorization			AUTH: 008057 Date: 5/30/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB06 Budget Year: 2018 Description: Daniel St and Tremont St Exeter Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 5/30/2018 9:05:42 AM Initiated By: Johnson, Philip Finalized Date: 6/11/2018 2:53:29 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
5/30/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$81,215.00
5/30/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
6/6/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$81,215.00
5/30/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
5/30/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$14,619.00
6/6/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$66,596.00
DESCRIPTION/SCOPE				
This authorization is for the relocation of 350' of 2" MDPE main in Daniels St and Tremont St, it will be replaced with 350' of 2" HDPE. There are (7) services associated with this relocation.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The Town of Exeter is working in Daniels ST and Tremont St. and there are direct conflicts with the existing gas main.				
State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$3,431,624 Total this Authorization: \$81,215 Remaining: \$ 3,894,985				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00183434		Daniel St and Tremont St Exeter	\$66,596.00	
Total			\$66,596.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201806	N-008057-00183434	M&S ISSUE			\$2,126.96
	201807	N-008057-00183434	M&S ISSUE			\$40.52
	201811	N-008057-00183434	M&S ISSUE			\$538.26
27-804 Total						\$2,705.74
40-805						
	201807	N-008057-00183434	VOUCHERS	NEUCO	U9506001-19	\$16,640.82
	201807	N-008057-00183434	VOUCHERS	NEUCO	U9506002-19	\$16,556.69
	201807	N-008057-00183434	VOUCHERS	NEUCO	U9506003-19	\$20,606.52
40-805 Total						\$53,804.03
50-807						
	201806	N-008057-00183434	M/S STORES EXPENSE			\$1,382.55
	201807	N-008057-00183434	M/S STORES EXPENSE			\$2.78
	201811	N-008057-00183434	M/S STORES EXPENSE			\$34.34
50-807 Total						\$1,419.67
51-850						
	201806	N-008057-00183434	EXMPT STOCK EXPENSE			\$638.09
	201807	N-008057-00183434	EXMPT STOCK EXPENSE			\$1.07
	201811	N-008057-00183434	EXMPT STOCK EXPENSE			\$8.58
51-850 Total						\$647.74
55-857						
	201806	N-008057-00183434	EXEMPT STK STORES EXPENSE			\$414.76
	201807	N-008057-00183434	EXEMPT STK STORES EXPENSE			\$0.70
	201811	N-008057-00183434	EXEMPT STK STORES EXPENSE			\$1.72
55-857 Total						\$417.18
70-811						
	201806	N-008057-00183434	CONST E&O OVERHEADS			\$1,925.32
	201807	N-008057-00183434	CONST E&O OVERHEADS			\$23,139.53
	201811	N-008057-00183434	CONST E&O OVERHEADS			\$54.08
70-811 Total						\$25,118.93
70-813						
	201806	N-008057-00183434	CONST OHDS CAP			\$273.13
	201807	N-008057-00183434	CONST OHDS CAP			\$4,617.15
	201811	N-008057-00183434	CONST OHDS CAP			\$11.63
70-813 Total						\$4,901.91
90-822						
	201806	N-008057-00183434	INTEREST CAPITALIZED			\$7.44
	201807	N-008057-00183434	INTEREST CAPITALIZED			\$88.45
	201811	N-008057-00183434	INTEREST CAPITALIZED			\$81.17
90-822 Total						\$177.06
K7-804						
	201807	N-008057-00183434	ISSUE REVERSAL			(\$36.24)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201811	N-008057-00183434	ISSUE REVERSAL			(\$366.58)
K7-804 Total						(\$402.82)
						<u>\$88,789.44</u>

8/30/2018

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Northern NH Construction Authorization		AUTH: 008059 Date: 8/22/2018 Budgeted Amount: \$7,140,095.00		
Budget Item No: JHB07 Budget Year: 2018 Description: Railroad Ave @ Brickyard Rd Rochester Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:	Type: Revision Sequence: 2 Status: Completed Initiated Date: 8/22/2018 9:12:27 AM Initiated By: Johnson, Philip Finalized Date: 8/30/2018 8:07:23 AM Finalized By: Laffond, Courtney			
APPROVALS		ESTIMATED COST SUMMARY		
Action Date	Approved	Approver/Title	Description	Amount
8/22/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$178,824.00
8/23/2018	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
8/23/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$178,824.00
8/23/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
8/27/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$32,188.00
8/29/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
8/29/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$146,636.00
8/29/2018	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
8/29/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision This revision is for additional time needed to complete this project due to depth of main at tie in points and the additional shoring needed for the 6" steel main tie ins. I am projecting an additional (4) days of crew time, welding, welding inspection and traffic detail required to complete this main relocate with an estimated cost of \$53,828. This authorization is for the relocation of 250' of 6" CS main in Railroad Ave, it will be replaced with 250' of 8" CS main. There are (0) services associated with this relocate. The corrosion department has reviewed and approved a CP plan. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
Revision This revision is for additional time needed to complete this project due to depth of main at tie in points and the additional shoring needed for the 6" steel main tie ins. I am projecting an additional (4) days of crew time, welding, welding inspection and traffic detail required to complete this main relocate with an estimated cost of \$53,828. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$5,828,656 Total this Authorization: \$ 0 Cost of Revision JHB07 \$ 53,828 Remaining: \$ 1,257,616				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The Town of				

8/30/2018

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Rochester is working in Railroad Ave. and there are direct conflicts with the existing gas main.

State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.

NH Department of Transportation.

Total 2017 Budget: \$7,140,100
Total Authorized to Date: \$3,512,839
Total this Authorization: \$124.995
Remaining: \$ 3,769,990

NOTES

AUTHORIZATION COMMENTS

CWO Summary

CWO	Description	Amount
00183435	Railroad Ave @ Brickyard Rd Rochester	\$146,636.00
	Total	\$146,636.00

6/12/2018

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Northern NH Construction Authorization			AUTH: 008059 Date: 6/5/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB07 Budget Year: 2018 Description: Railroad Ave @ Brickyard Rd Rochester Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 6/5/2018 9:16:44 AM Initiated By: Johnson, Philip Finalized Date: 6/12/2018 11:06:00 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/5/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$124,995.00
6/11/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
6/6/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$124,995.00
6/6/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
6/11/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$22,499.00
6/12/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$102,496.00
DESCRIPTION/SCOPE				
This authorization is for the relocation of 250' of 6" CS main in Railroad Ave, it will be replaced with 250' of 8" CS main. There are (0) services associated with this relocate. The corrosion department has reviewed and approved a CP plan. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The Town of Rochester is working in Railroad Ave. and there are direct conflicts with the existing gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$3,512,839 Total this Authorization: \$124,995 Remaining: \$ 3,769,990				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183435			Railroad Ave @ Brickyard Rd Rochester	\$102,496.00
			Total	\$102,496.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201806	N-008059-00183435	M&S ISSUE			\$2,132.39
	201807	N-008059-00183435	M&S ISSUE			\$962.96
	201808	N-008059-00183435	M&S ISSUE			\$56.05
	201809	N-008059-00183435	M&S ISSUE			\$56.05
27-804 Total						\$3,207.45
40-805						
	201807	N-008059-00183435	VOUCHERS	COLLINS PIPE	3047066	\$4,217.05
	201807	N-008059-00183435	VOUCHERS	JDH INSPECTION	18-0365	\$2,851.00
	201807	N-008059-00183435	VOUCHERS	JDH INSPECTION	18-0388	\$7,746.25
	201807	N-008059-00183435	VOUCHERS	JDH INSPECTION	18-0407	\$2,168.75
	201807	N-008059-00183435	VOUCHERS	JDH INSPECTION	18-0424	\$10,927.00
	201807	N-008059-00183435	VOUCHERS	JDH INSPECTION	18-0427	\$3,955.00
	201807	N-008059-00183435	VOUCHERS	NEUCO	U3506008-19	\$38,511.61
	201808	N-008059-00183435	VOUCHERS	MUELLER CO	3785185	\$3,443.16
	201808	N-008059-00183435	VOUCHERS	NEUCO	U3506009-19	\$978.50
	201808	N-008059-00183435	VOUCHERS	NEUCO	U3507001-19	\$8,420.22
	201808	N-008059-00183435	VOUCHERS	NEUCO	U3507002-19	\$36,593.88
40-805 Total						\$119,812.42
50-807						
	201806	N-008059-00183435	M/S STORES EXPENSE			\$1,386.05
	201807	N-008059-00183435	M/S STORES EXPENSE			\$625.93
	201808	N-008059-00183435	M/S STORES EXPENSE			(\$36.44)
	201809	N-008059-00183435	M/S STORES EXPENSE			(\$215.63)
50-807 Total						\$1,759.91
51-850						
	201806	N-008059-00183435	EXMPT STOCK EXPENSE			\$639.72
	201807	N-008059-00183435	EXMPT STOCK EXPENSE			\$240.74
	201808	N-008059-00183435	EXMPT STOCK EXPENSE			(\$14.01)
	201809	N-008059-00183435	EXMPT STOCK EXPENSE			(\$82.93)
51-850 Total						\$783.52
55-857						
	201806	N-008059-00183435	EXEMPT STK STORES EXPENSE			\$415.82
	201807	N-008059-00183435	EXEMPT STK STORES EXPENSE			\$156.48
	201808	N-008059-00183435	EXEMPT STK STORES EXPENSE			(\$9.11)
	201809	N-008059-00183435	EXEMPT STK STORES EXPENSE			(\$53.90)
55-857 Total						\$509.29
70-811						
	201806	N-008059-00183435	CONST E&O OVERHEADS			\$1,930.22
	201807	N-008059-00183435	CONST E&O OVERHEADS			\$31,116.00
	201808	N-008059-00183435	CONST E&O OVERHEADS			\$21,180.12
	201809	N-008059-00183435	CONST E&O OVERHEADS			(\$294.20)
70-811 Total						\$53,932.14
70-813						
	201806	N-008059-00183435	CONST OHDS CAP			\$273.83

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201807	N-008059-00183435	CONST OHDS CAP			\$6,208.73
	201808	N-008059-00183435	CONST OHDS CAP			\$4,142.38
	201809	N-008059-00183435	CONST OHDS CAP			(\$58.70)
70-813 Total						\$10,566.24
90-822						
	201806	N-008059-00183435	INTEREST CAPITALIZED			\$7.46
	201807	N-008059-00183435	INTEREST CAPITALIZED			\$114.45
	201808	N-008059-00183435	INTEREST CAPITALIZED			\$281.60
	201809	N-008059-00183435	INTEREST CAPITALIZED			\$177.21
90-822 Total						\$580.72
95-865						
	201809	N-008059-00183435	MISC PLANT ADJUSTMENT			\$5,758.05
95-865 Total						\$5,758.05
K7-804						
	201808	N-008059-00183435	ISSUE REVERSAL			(\$112.10)
	201809	N-008059-00183435	ISSUE REVERSAL			(\$387.78)
K7-804 Total						(\$499.88)
						\$196,409.86

7/3/2018

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Northern NH Construction Authorization			AUTH: 008068 Date: 6/28/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB08 Budget Year: 2018 Description: Lafayette Rd @ Andrew Jarvis Way Portsmouth Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 6/28/2018 11:05:12 AM Initiated By: Johnson, Philip Finalized Date: 7/3/2018 9:27:43 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/29/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$60,510.00
7/2/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
7/2/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$60,510.00
6/29/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
7/2/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$10,892.00
7/2/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$49,618.00
DESCRIPTION/SCOPE				
This authorization is for the relocation of 150' of 6" HDPE main in Lafayette Rd @ Andrew Jarvis Way, it will be replaced with 150' of 6" HDPE main. There are (0) services associated with this relocate.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is working in Lafayette Rd. and there are direct conflicts with the existing gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$3,731,771 Total this Authorization: \$60,510 Remaining: \$ 3,615,543				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description	Amount	
00183444		Lafayette Rd @ Andrew Jarvis Way Portsmouth	\$49,618.00	
		Total	\$49,618.00	

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201807	N-008068-00183444	PAYROLL-ST			\$362.90
10-800 Total						\$362.90
27-804						
	201807	N-008068-00183444	M&S ISSUE			\$3,485.13
	201808	N-008068-00183444	M&S ISSUE			\$95.61
	201810	N-008068-00183444	M&S ISSUE			\$71.10
27-804 Total						\$3,651.84
30-820						
	201807	N-008068-00183444	TRANSPORTATION JE			\$250.00
30-820 Total						\$250.00
40-805						
	201808	N-008068-00183444	VOUCHERS	NEUCO	U3207002-19	\$9,463.34
	201808	N-008068-00183444	VOUCHERS	NEUCO	U3207003-19	\$28,796.33
	201808	N-008068-00183444	VOUCHERS	NEW ENGLAND TRA	128520	\$232.00
40-805 Total						\$38,491.67
50-807						
	201807	N-008068-00183444	M/S STORES EXPENSE			\$2,265.34
	201808	N-008068-00183444	M/S STORES EXPENSE			(\$12.03)
	201810	N-008068-00183444	M/S STORES EXPENSE			(\$11.48)
50-807 Total						\$2,241.83
51-850						
	201807	N-008068-00183444	EXMPT STOCK EXPENSE			\$871.28
	201808	N-008068-00183444	EXMPT STOCK EXPENSE			(\$4.63)
	201810	N-008068-00183444	EXMPT STOCK EXPENSE			(\$2.87)
51-850 Total						\$863.78
55-857						
	201807	N-008068-00183444	EXEMPT STK STORES EXPENSE			\$566.33
	201808	N-008068-00183444	EXEMPT STK STORES EXPENSE			(\$3.01)
	201810	N-008068-00183444	EXEMPT STK STORES EXPENSE			(\$0.57)
55-857 Total						\$562.75
60-809						
	201807	N-008068-00183444	WORKERS COMP INS			\$10.45
60-809 Total						\$10.45
60-815						
	201807	N-008068-00183444	MEDICAL COSTS CAP.			\$83.46
60-815 Total						\$83.46
60-816						
	201807	N-008068-00183444	401K COSTS CAP.			\$18.94
60-816 Total						\$18.94

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-817						
	201807	N-008068-00183444	PBOP COSTS CAP.			\$35.17
60-817 Total						\$35.17
70-811						
	201807	N-008068-00183444	CONST E&O OVERHEADS			\$3,452.82
	201808	N-008068-00183444	CONST E&O OVERHEADS			\$16,535.01
	201810	N-008068-00183444	CONST E&O OVERHEADS			(\$21.70)
70-811 Total						\$19,966.13
70-813						
	201807	N-008068-00183444	CONST OHDS CAP			\$688.96
	201808	N-008068-00183444	CONST OHDS CAP			\$3,299.31
	201810	N-008068-00183444	CONST OHDS CAP			(\$4.04)
70-813 Total						\$3,984.23
80-814						
	201807	N-008068-00183444	SMALL TOOLS			\$18.15
80-814 Total						\$18.15
90-822						
	201807	N-008068-00183444	INTEREST CAPITALIZED			\$13.14
	201808	N-008068-00183444	INTEREST CAPITALIZED			\$73.04
	201810	N-008068-00183444	INTEREST CAPITALIZED			\$59.85
90-822 Total						\$146.03
90-848						
	201808	N-008068-00183444	SUNDRY REVENUE			(\$5,265.95)
90-848 Total						(\$5,265.95)
90-866						
	201807	N-008068-00183444	PAYROLL TAXES CAP.			\$33.39
90-866 Total						\$33.39
90-867						
	201807	N-008068-00183444	PENSION COST CAP.			\$29.28
90-867 Total						\$29.28
K7-804						
	201808	N-008068-00183444	ISSUE REVERSAL			(\$114.11)
	201810	N-008068-00183444	ISSUE REVERSAL			(\$128.52)
K7-804 Total						(\$242.63)
						\$65,241.42

1/30/2019

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Northern NH Construction Authorization			AUTH: 008076 Date: 1/9/2019 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB09 Budget Year: 2018 Description: Jackson St / Sylvain St Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 1/9/2019 8:35:26 AM Initiated By: Johnson, Philip Finalized Date: 1/30/2019 10:58:53 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
1/17/2019	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$266,376.00
1/17/2019	YES	Bickford, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
1/18/2019	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$266,376.00
1/18/2019	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
1/21/2019	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$47,948.00
1/22/2019	YES	Sprague, Kevin <i>VP, Engineering</i>	Salvage:	\$0.00
1/22/2019	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$218,428.00
1/22/2019	YES	Brock, Laurence <i>Chief Accounting Officer & Controller</i>		
1/23/2019	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision: This revision is for the added costs for the crossing of North Main St for the tie in to Jackson St, added depth was needed for the crossing of phone, and electrical ducts and extra depth at main tie in, with an additional 3 days of police detail.				
This authorization is for the replacement of 820' of 2" HDPE main in Jackson St with 1,120' of 8" HDPE main in Jackson St and Sylvain St in Rochester. There are (12) services associated with this replacement.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
Revision: This revision is for the added costs for the crossing of North Main St for the tie in to Jackson St, added depth was needed for the crossing of phone, and electrical ducts and extra depth at main tie in, with an additional 3 days of police detail.				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Rochester is working on a project in Strafford Square and is requiring us to cut some main out of the construction area due to conflicts. The main installation in Jackson / Sylvain is to re-route the gas flow to facilitate the cut off of the main in Strafford Square.				
State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$5,509,580 Total this Authorization: \$ 241,177 Remaining: \$ 1,657,067				
NOTES				
AUTHORIZATION COMMENTS				

1/30/2019

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CWO Summary		
CWO	Description	Amount
00183451	Jackson St / Sylvain St	\$218,428.00
	Total	\$218,428.00

8/22/2018

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Northern NH Construction Authorization			AUTH: 008076 Date: 8/2/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB09 Budget Year: 2018 Description: Jackson St / Sylvain St Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 8/2/2018 1:14:53 PM Initiated By: Johnson, Philip Finalized Date: 8/22/2018 10:54:38 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/6/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$214,177.00
8/6/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
8/7/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$214,177.00
8/20/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
8/14/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$43,412.00
8/21/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$170,765.00
DESCRIPTION/SCOPE				
This authorization is for the replacement of 820' of 2" HDPE main in Jackson St with 1,120' of 8" HDPE main in Jackson St and Sylvain St in Rochester. There are (12) services associated with this replacement. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Rochester is working on a project in Strafford Square and is requiring us to cut some main out of the construction area due to conflicts. The main installation in Jackson / Sylvain is to re-route the gas flow to facilitate the cut off of the main in Strafford Square. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$5,509,580 Total this Authorization: \$ 241,177 Remaining: \$ 1,657,067				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183451			Jackson St / Sylvain St	\$170,765.00
			Total	\$170,765.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201809	N-008076-00183451	PAYROLL-ST			\$306.24
10-800 Total						\$306.24
27-804						
	201808	N-008076-00183451	M&S ISSUE			\$3,300.10
	201809	N-008076-00183451	M&S ISSUE			\$21,110.88
	201811	N-008076-00183451	M&S ISSUE			\$600.43
27-804 Total						\$25,011.41
40-805						
	201808	N-008076-00183451	VOUCHERS	NEUCO	U9743001-19	\$28,551.49
	201809	N-008076-00183451	VOUCHERS	BANK AMER VISA	JOHNSON PHIL AUGUST 2018	\$225.56
	201809	N-008076-00183451	VOUCHERS	NEUCO	U9743002-19	\$12,647.00
	201809	N-008076-00183451	VOUCHERS	NEUCO	U9743003-19	\$17,559.06
	201809	N-008076-00183451	VOUCHERS	NEUCO	U9743004-19	\$24,700.66
	201810	N-008076-00183451	VOUCHERS	NEUCO	U9709001-19	\$13,168.13
	201810	N-008076-00183451	VOUCHERS	NEUCO	U9743005-19	\$5,154.38
	201810	N-008076-00183451	VOUCHERS	NEUCO	U9743006-19	\$11,512.21
	201810	N-008076-00183451	VOUCHERS	NEUCO	U9743007-19	\$9,138.42
	201810	N-008076-00183451	VOUCHERS	NEUCO	U9743008-19	\$13,528.31
40-805 Total						\$136,185.22
50-807						
	201808	N-008076-00183451	M/S STORES EXPENSE			\$2,145.08
	201809	N-008076-00183451	M/S STORES EXPENSE			\$13,722.10
	201810	N-008076-00183451	M/S STORES EXPENSE			(\$337.40)
	201811	N-008076-00183451	M/S STORES EXPENSE			\$39.61
50-807 Total						\$15,569.39
51-850						
	201808	N-008076-00183451	EXMPT STOCK EXPENSE			\$825.03
	201809	N-008076-00183451	EXMPT STOCK EXPENSE			\$5,277.72
	201810	N-008076-00183451	EXMPT STOCK EXPENSE			(\$84.35)
	201811	N-008076-00183451	EXMPT STOCK EXPENSE			\$9.90
51-850 Total						\$6,028.30
55-857						
	201808	N-008076-00183451	EXEMPT STK STORES EXPENSE			\$536.27
	201809	N-008076-00183451	EXEMPT STK STORES EXPENSE			\$3,430.52
	201810	N-008076-00183451	EXEMPT STK STORES EXPENSE			(\$16.87)
	201811	N-008076-00183451	EXEMPT STK STORES EXPENSE			\$1.98
55-857 Total						\$3,951.90
60-809						
	201809	N-008076-00183451	WORKERS COMP INS			\$8.82
60-809 Total						\$8.82
60-815						
	201809	N-008076-00183451	MEDICAL COSTS CAP.			\$70.44
60-815 Total						\$70.44

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-816						
	201809	N-008076-00183451	401K COSTS CAP.			\$15.99
60-816 Total						\$15.99
60-817						
	201809	N-008076-00183451	PBOP COSTS CAP.			\$29.67
60-817 Total						\$29.67
70-811						
	201808	N-008076-00183451	CONST E&O OVERHEADS			\$15,203.93
	201809	N-008076-00183451	CONST E&O OVERHEADS			\$42,643.01
	201810	N-008076-00183451	CONST E&O OVERHEADS			\$15,112.78
	201811	N-008076-00183451	CONST E&O OVERHEADS			\$62.36
70-811 Total						\$73,022.08
70-813						
	201808	N-008076-00183451	CONST OHDS CAP			\$3,033.72
	201809	N-008076-00183451	CONST OHDS CAP			\$8,508.77
	201810	N-008076-00183451	CONST OHDS CAP			\$2,816.01
	201811	N-008076-00183451	CONST OHDS CAP			\$13.41
70-813 Total						\$14,371.91
80-814						
	201809	N-008076-00183451	SMALL TOOLS			\$12.25
80-814 Total						\$12.25
90-822						
	201808	N-008076-00183451	INTEREST CAPITALIZED			\$49.43
	201809	N-008076-00183451	INTEREST CAPITALIZED			\$245.67
	201810	N-008076-00183451	INTEREST CAPITALIZED			\$451.95
	201811	N-008076-00183451	INTEREST CAPITALIZED			\$255.89
90-822 Total						\$1,002.94
90-866						
	201809	N-008076-00183451	PAYROLL TAXES CAP.			\$28.17
90-866 Total						\$28.17
90-867						
	201809	N-008076-00183451	PENSION COST CAP.			\$24.71
90-867 Total						\$24.71
K7-804						
	201810	N-008076-00183451	ISSUE REVERSAL			(\$1,686.90)
	201811	N-008076-00183451	ISSUE REVERSAL			(\$402.48)
K7-804 Total						(\$2,089.38)
						\$273,550.06

10/16/2018

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Northern NH Construction Authorization			AUTH: 008085 Date: 9/27/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB10 Budget Year: 2018 Description: Green St Portsmouth NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 9/27/2018 7:49:27 AM Initiated By: Johnson, Philip Finalized Date: 10/16/2018 9:17:49 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/8/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$97,099.00
10/8/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
10/8/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$97,099.00
10/11/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
10/9/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$17,478.00
10/11/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$79,621.00
DESCRIPTION/SCOPE				
This authorization is for the replacement of 300' of 1 1/4" HDPE main in Green St with 300' of 4" HDPE main. There is (1) service associated with this replacement.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is working on a Sewer project in Green St. The main needs to be relocated due to direct conflicts with the new infrastructure.				
State Mandate - gas lines in conflict with any City or State project will be relocated by the utility.				
NH Department of Transportation.				
Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$5,888,484 Total this Authorization: \$ 97,099 Remaining: \$ 1,160,518				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183464			Green St Portsmouth NH	\$79,621.00
			Total	\$79,621.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201810	N-008085-00183464	M&S ISSUE			\$5,608.61
	201811	N-008085-00183464	M&S ISSUE			\$411.89
	201812	N-008085-00183464	M&S ISSUE			\$286.60
27-804 Total						\$6,307.10
40-805						
	201811	N-008085-00183464	VOUCHERS	NEUCO	U3210002-19	\$21,795.39
	201811	N-008085-00183464	VOUCHERS	NEUCO	U3210003-19	\$16,654.41
40-805 Total						\$38,449.80
50-807						
	201810	N-008085-00183464	M/S STORES EXPENSE			\$1,044.90
	201811	N-008085-00183464	M/S STORES EXPENSE			\$37.88
	201812	N-008085-00183464	M/S STORES EXPENSE			(\$0.21)
50-807 Total						\$1,082.57
51-850						
	201810	N-008085-00183464	EXMPT STOCK EXPENSE			\$261.23
	201811	N-008085-00183464	EXMPT STOCK EXPENSE			\$9.47
	201812	N-008085-00183464	EXMPT STOCK EXPENSE			(\$0.05)
51-850 Total						\$270.65
55-857						
	201810	N-008085-00183464	EXEMPT STK STORES EXPENSE			\$52.25
	201811	N-008085-00183464	EXEMPT STK STORES EXPENSE			\$1.89
	201812	N-008085-00183464	EXEMPT STK STORES EXPENSE			(\$0.01)
55-857 Total						\$54.13
70-811						
	201810	N-008085-00183464	CONST E&O OVERHEADS			\$1,974.87
	201811	N-008085-00183464	CONST E&O OVERHEADS			\$9,672.13
	201812	N-008085-00183464	CONST E&O OVERHEADS			(\$0.08)
70-811 Total						\$11,646.92
70-813						
	201810	N-008085-00183464	CONST OHDS CAP			\$367.98
	201811	N-008085-00183464	CONST OHDS CAP			\$2,079.51
	201812	N-008085-00183464	CONST OHDS CAP			(\$0.11)
70-813 Total						\$2,447.38
90-822						
	201810	N-008085-00183464	INTEREST CAPITALIZED			\$9.82
	201811	N-008085-00183464	INTEREST CAPITALIZED			\$65.20
	201812	N-008085-00183464	INTEREST CAPITALIZED			\$55.38
90-822 Total						\$130.40
K7-804						
	201810	N-008085-00183464	ISSUE REVERSAL			(\$384.09)
	201811	N-008085-00183464	ISSUE REVERSAL			(\$222.43)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201812	N-008085-00183464	ISSUE REVERSAL			(\$287.64)
K7-804 Total						(\$894.16)
						<u>\$59,494.79</u>

10/22/2018

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Northern NH Construction Authorization			AUTH: 008087 Date: 10/8/2018 Budgeted Amount: \$7,140,095.00	
Budget Item No: JHB11 Budget Year: 2018 Description: Main St Salem NH Project Supervisor: Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 10/8/2018 11:07:15 AM Initiated By: Johnson, Philip Finalized Date: 10/22/2018 8:23:16 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
10/17/2018	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$149,398.11
10/18/2018	YES	Hobart, Darrell <i>Manager, Gas Distribution Operations</i>	Less Customer Contribution:	\$0.00
10/18/2018	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Net Authorized Cost:	\$149,398.11
10/18/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Retirement:	\$0.00
10/18/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Cost Of Removal:	\$26,892.00
10/18/2018	YES	Main, Dan <i>Assistant Controller</i>	Salvage:	\$0.00
			CWO Total:	\$122,506.11
DESCRIPTION/SCOPE				
This authorization is for the relocation of 300' of 6" PE main in Main St Salem with 300' of 6" HDPE main. There is (1) service associated with this replacement.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Salem is working on a Sewer project in Main St. The main needs to be relocated due to direct conflicts with the new infrastructure.				
State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$7,140,100 Total Authorized to Date: \$6,119,363 Total this Authorization: \$ 149,398 Remaining: \$ 871,339				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00183466			Main St Salem NH	\$122,506.11
			Total	\$122,506.11

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201810	N-008087-00183466	M&S ISSUE			\$14.34
	201811	N-008087-00183466	M&S ISSUE			\$999.67
	201812	N-008087-00183466	M&S ISSUE			\$394.23
27-804 Total						\$1,408.24
40-805						
	201811	N-008087-00183466	VOUCHERS	NEUCO	U3510005-19	\$9,460.55
	201811	N-008087-00183466	VOUCHERS	NEUCO	U3510006-19	\$3,451.39
	201811	N-008087-00183466	VOUCHERS	NEUCO	U4810011-19	\$2,964.88
40-805 Total						\$15,876.82
50-807						
	201810	N-008087-00183466	M/S STORES EXPENSE			\$2.87
	201811	N-008087-00183466	M/S STORES EXPENSE			\$188.95
	201812	N-008087-00183466	M/S STORES EXPENSE			\$78.87
50-807 Total						\$270.69
51-850						
	201810	N-008087-00183466	EXMPT STOCK EXPENSE			\$0.72
	201811	N-008087-00183466	EXMPT STOCK EXPENSE			\$47.24
	201812	N-008087-00183466	EXMPT STOCK EXPENSE			\$19.71
51-850 Total						\$67.67
55-857						
	201810	N-008087-00183466	EXEMPT STK STORES EXPENSE			\$0.14
	201811	N-008087-00183466	EXEMPT STK STORES EXPENSE			\$9.45
	201812	N-008087-00183466	EXEMPT STK STORES EXPENSE			\$3.94
55-857 Total						\$13.53
70-811						
	201810	N-008087-00183466	CONST E&O OVERHEADS			\$5.42
	201811	N-008087-00183466	CONST E&O OVERHEADS			\$4,266.80
	201812	N-008087-00183466	CONST E&O OVERHEADS			\$31.74
70-811 Total						\$4,303.96
70-813						
	201810	N-008087-00183466	CONST OHDS CAP			\$1.01
	201811	N-008087-00183466	CONST OHDS CAP			\$917.36
	201812	N-008087-00183466	CONST OHDS CAP			\$41.60
70-813 Total						\$959.97
90-822						
	201810	N-008087-00183466	INTEREST CAPITALIZED			\$0.03
	201811	N-008087-00183466	INTEREST CAPITALIZED			\$24.53
	201812	N-008087-00183466	INTEREST CAPITALIZED			\$24.82
90-822 Total						\$49.38

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201811	N-008087-00183466	ISSUE REVERSAL			(\$54.96)
K7-804 Total						(\$54.96)
						\$22,895.30

1/10/2018

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Northern NH Construction Authorization			AUTH: 007040 Date: 12/15/2017 Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB03 Budget Year: 2017 Description: Islington St / Bartlett St Portsmouth NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 3 Status: Completed Initiated Date: 12/15/2017 8:21:00 AM Initiated By: Ciulla, Mel Finalized Date: 1/10/2018 12:36:49 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
12/19/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$2,841,828.00
12/20/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
12/19/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$2,841,828.00
12/20/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
1/2/2018	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$426,274.00
1/2/2018	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
1/2/2018	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$2,415,554.00
1/3/2018	YES	Meissner, Thomas <i>SVP And COO</i>		
1/8/2018	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision 3 This revision is due to additional Ledge, the installation of a Kicker Regulator station on McDonough St This will off set Low Pressure issues, the removal of the existing Regulator Station, 100% Spoils removal, and additional paving. Ledge additional cost \$65,098 Kicker Regulator Station \$185,000 Removal of existing Reg Station off Cast iron \$61,000 100% spoils removal \$22,000 Additional Paving \$126,600 Revised Budget Cost \$2,841,828 Revision: 2 This revision is due to Ledge, additional paving from ledge and sidewalk along with 100% spoils removal. Service installation cost also increased from 100% spoils removal and congested area, the cost break down is as follows: Ledge \$456,247 Additional Paving Cost \$125,613 100% Spoils Removal \$58,750 Additional Service cost of \$182,000 Total additional cost of \$822,610 Revised Total budget cost of \$2,382,130 This authorization is for the replacement of 3750' of 8" and 10"CI with 3750' of 8" HDPE in Islington St, 1300' of 4" PE with 1300' of 4" HDPE in Bartlett St and 700' of 4" PE with 2"HDPE in Cate St. This system (17) will be upgraded to IP system (18) along with (97) existing services on side streets that will be tied over to Islington St. This is being driven by an infrastructure improvement project done by the City of Portsmouth. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is doing a full depth reconstruction of Islington St. There are direct conflicts with the existing gas main. The City of Portsmouth has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$3,105,630 Total Authorized to Date: \$5,125,484 Total this Authorization: \$2,382,130 Remaining: \$ -4,401,984				
NOTES				
AUTHORIZATION COMMENTS				

1/10/2018

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Page 233 of 268

CWO Summary

CWO	Description	Amount
00173446	Islington St / Bartlett St Portsmouth NH	\$2,415,554.00
	Total	\$2,415,554.00

Northern NH Construction Authorization			AUTH: 007040 Date: 11/20/2017 Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB03 Budget Year: 2017 Description: Islington St / Bartlett St Portsmouth NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Revision Sequence: 2 Status: Completed Initiated Date: 11/20/2017 2:25:36 PM Initiated By: Ciulla, Mel Finalized Date: 12/13/2017 3:47:44 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/27/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$2,382,130.00
11/27/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
11/27/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$2,382,130.00
11/29/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
12/12/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$357,320.00
12/12/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
12/12/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$2,024,810.00
12/12/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
12/13/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
Revision: This revision is due to Ledge, additional paving from ledge and sidewalk along with 100% spoils removal. Service installation cost also increased from 100% spoils removal and congested area, the cost break down is as follows: Ledge \$456,247 Additional Paving Cost \$125,613 100% Spoils Removal \$58,750 Additional Service cost of \$182,000 Total additional cost of \$822,610 Revised Total budget cost of \$2,382,130 This authorization is for the replacement of 3750' of 8" and 10"CI with 3750' of 8" HDPE in Islington St, 1300' of 4" PE with 1300' of 4" HDPE in Bartlett St and 700' of 4" PE with 2"HDPE in Cate St. This system (17) will be upgraded to IP system (18) along with (97) existing services on side streets that will be tied over to Islington St. This is being driven by an infrastructure improvement project done by the City of Portsmouth. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is doing a full depth reconstruction of Islington St. There are direct conflicts with the existing gas main. The City of Portsmouth has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$3,105,630 Total Authorized to Date: \$5,125,484 Total this Authorization: \$2,382,130 Remaining: \$ -4,401,984				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description		Amount
00173446		Islington St / Bartlett St Portsmouth NH		\$2,024,810.00
		Total		\$2,024,810.00

Northern NH Construction Authorization			AUTH: 007040 Date: 2/27/2017 Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB03 Budget Year: 2017 Description: Islington St / Bartlett St Portsmouth NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 2/27/2017 11:12:01 AM Initiated By: Johnson, Philip Finalized Date: 3/17/2017 1:18:15 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
3/1/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$1,559,520.00
3/1/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
3/1/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$1,559,520.00
3/2/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
3/2/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$233,928.00
3/6/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
3/6/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$1,325,592.00
3/6/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
3/6/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
3/17/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the replacement of 3750' of 8" and 10" CI with 3750' of 8" HDPE in Islington St, 1300' of 4" PE with 1300' of 4" HDPE in Bartlett St and 700' of 4" PE with 2" HDPE in Cate St. This system (17) will be upgraded to IP system (18) along with (97) existing services on side streets that will be tied over to Islington St. This is being driven by an infrastructure improvement project done by the City of Portsmouth.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is doing a full depth reconstruction of Islington St. There are direct conflicts with the existing gas main. The City of Portsmouth has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$3,105,630 Total Authorized to Date: \$1,177,360 Total this Authorization: \$1,559,520 Remaining: \$ 368,750				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00173446			Islington St / Bartlett St Portsmouth NH	\$1,325,592.00
			Total	\$1,325,592.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201710	N-007040-00173446	PAYROLL-ST			\$282.56
	201711	N-007040-00173446	PAYROLL-ST			\$388.68
10-800 Total						\$671.24
10-803						
	201712	N-007040-00173446	PAYROLL-OT			\$306.57
10-803 Total						\$306.57
27-804						
	201705	N-007040-00173446	M&S ISSUE			\$22,391.72
	201706	N-007040-00173446	M&S ISSUE			\$2,850.44
	201707	N-007040-00173446	M&S ISSUE			\$24,939.51
	201708	N-007040-00173446	M&S ISSUE			\$13,642.03
	201709	N-007040-00173446	M&S ISSUE			\$9,085.73
	201710	N-007040-00173446	M&S ISSUE			\$12,575.45
	201711	N-007040-00173446	M&S ISSUE			\$18,332.53
	201712	N-007040-00173446	M&S ISSUE			\$23,824.61
	201801	N-007040-00173446	M&S ISSUE			\$939.60
	201802	N-007040-00173446	M&S ISSUE			\$3,366.05
	201804	N-007040-00173446	M&S ISSUE			\$209.97
27-804 Total						\$132,157.64
30-820						
	201710	N-007040-00173446	TRANSPORTATION JE			\$160.00
	201712	N-007040-00173446	TRANSPORTATION JE			\$412.50
30-820 Total						\$572.50
40-805						
	201703	N-007040-00173446	VOUCHERS	NEW ENGLAND TRA	124515	\$1,225.50
	201704	N-007040-00173446	VOUCHERS	NEW ENGLAND TRA	124647	\$405.00
	201704	N-007040-00173446	VOUCHERS	UNDERWOOD EN	2171	\$25,000.00
	201705	N-007040-00173446	VOUCHERS	CITY PORTS	05172017	\$1,950.00
	201705	N-007040-00173446	VOUCHERS	NEUCO	U9204005-18	\$4,047.44
	201705	N-007040-00173446	VOUCHERS	NEUCO	U9223001-18	\$28,566.15
	201705	N-007040-00173446	VOUCHERS	NEUCO	U9223002-18	\$40,248.07
	201705	N-007040-00173446	VOUCHERS	NEUCO	U9223003-18	\$22,520.82
	201706	N-007040-00173446	VOUCHERS	AFTC INC	6294	\$384.00
	201706	N-007040-00173446	VOUCHERS	CITY PORTS	06192017	\$750.00
	201706	N-007040-00173446	VOUCHERS	NEUCO	U9223004-18	\$48,317.72
	201706	N-007040-00173446	VOUCHERS	NEUCO	U9223005-18	\$43,630.21
	201706	N-007040-00173446	VOUCHERS	NEUCO	U9223006-18	\$21,103.23
	201707	N-007040-00173446	VOUCHERS	AFTC INC	6375	\$420.00
	201707	N-007040-00173446	VOUCHERS	BANK AMER VISA	JOHNSON PHIL JUNE 2017	\$11.00
	201707	N-007040-00173446	VOUCHERS	CITY PORTS	06302017	\$1,920.00
	201707	N-007040-00173446	VOUCHERS	NEUCO	U3506008-18	\$6,449.68
	201707	N-007040-00173446	VOUCHERS	NEUCO	U9223007-17	\$1,161.00
	201707	N-007040-00173446	VOUCHERS	NEUCO	U9223008-18	\$47,793.17
	201707	N-007040-00173446	VOUCHERS	NEUCO	U9223009-18	\$38,240.78
	201707	N-007040-00173446	VOUCHERS	NEUCO	U9223010-18	\$8,693.68

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201707	N-007040-00173446	VOUCHERS	NEUCO	U9223011-18	\$37,382.38
	201707	N-007040-00173446	VOUCHERS	PPI GAS DISTRIB	109186	\$480.38
	201708	N-007040-00173446	VOUCHERS	AFTC INC	6577	\$528.00
	201708	N-007040-00173446	VOUCHERS	AFTC INC	6631	\$1,152.00
	201708	N-007040-00173446	VOUCHERS	AFTC INC	6687	\$264.00
	201708	N-007040-00173446	VOUCHERS	BANK AMER VISA	RIPLEY JULY 2017	\$684.62
	201708	N-007040-00173446	VOUCHERS	NEUCO	U1808003-18	\$7,973.54
	201708	N-007040-00173446	VOUCHERS	NEUCO	U3508004-18	\$20,453.54
	201708	N-007040-00173446	VOUCHERS	NEUCO	U9223012-18	\$11,313.38
	201708	N-007040-00173446	VOUCHERS	NEUCO	U9223013-18	\$37,938.88
	201708	N-007040-00173446	VOUCHERS	NEUCO	U9223014-18	\$27,702.98
	201708	N-007040-00173446	VOUCHERS	NEUCO	U9223015-18	\$13,462.22
	201708	N-007040-00173446	VOUCHERS	NEUCO	U9223016-18	\$19,171.43
	201708	N-007040-00173446	VOUCHERS	NEUCO	U9223017-18	\$19,540.96
	201708	N-007040-00173446	VOUCHERS	NEUCO	U9223018-17	\$30,783.30
	201708	N-007040-00173446	VOUCHERS	NEUCO	U9223019-18	\$31,278.91
	201708	N-007040-00173446	VOUCHERS	NEUCO	U9223020-18	\$31,473.35
	201708	N-007040-00173446	VOUCHERS	UNDERWOOD EN	2171-1	\$31,200.00
	201709	N-007040-00173446	VOUCHERS	BANK AMER VISA	JOHNSON PHILIP AUGUST 2017	\$3.00
	201709	N-007040-00173446	VOUCHERS	BANK AMER VISA	RIPLEY AUGUST 2017	\$1.10
	201709	N-007040-00173446	VOUCHERS	NEUCO	U1808013-18	\$96.00
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3208007-18	\$7,704.58
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3208008-18	\$3,761.88
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3508005-18	\$20,290.91
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3508006-18	\$15,603.63
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3508007-18	\$9,890.80
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3508008-18	\$11,745.84
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3508009-18	\$12,105.58
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3509001-18	\$10,141.55
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3509002-18	\$27,883.40
	201709	N-007040-00173446	VOUCHERS	NEUCO	U3509003-18	\$4,743.89
	201709	N-007040-00173446	VOUCHERS	NEUCO	U9209001-18	\$2,767.00
	201709	N-007040-00173446	VOUCHERS	NEUCO	U9223021-18	\$43,695.70
	201709	N-007040-00173446	VOUCHERS	NEUCO	U9223022-18	\$46,412.59
	201709	N-007040-00173446	VOUCHERS	NEUCO	U9223023-18	\$20,233.83
	201709	N-007040-00173446	VOUCHERS	NEUCO	U9223024-18	\$3,373.24
	201709	N-007040-00173446	VOUCHERS	NEUCO	U9223025-18	\$27,208.32
	201709	N-007040-00173446	VOUCHERS	NEUCO	U9223026-18	\$31,374.91
	201710	N-007040-00173446	VOUCHERS	I C REED & SONS	18554	\$6,330.12
	201710	N-007040-00173446	VOUCHERS	I C REED & SONS	18581	\$2,018.16
	201710	N-007040-00173446	VOUCHERS	NEUCO	U3509004-18	\$20,018.95
	201710	N-007040-00173446	VOUCHERS	NEUCO	U3509005-18	\$15,221.30
	201710	N-007040-00173446	VOUCHERS	NEUCO	U3509006-18	\$28,708.43
	201710	N-007040-00173446	VOUCHERS	NEUCO	U3510001-18	\$40,258.11
	201710	N-007040-00173446	VOUCHERS	NEUCO	U9223027-18	\$33,403.14
	201710	N-007040-00173446	VOUCHERS	NEUCO	U9223028-18	\$57,815.41
	201710	N-007040-00173446	VOUCHERS	NEUCO	U9223029-18	\$2,323.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201710	N-007040-00173446	VOUCHERS	NEUCO	U9223030-18	\$15,225.68
	201710	N-007040-00173446	VOUCHERS	NEUCO	U9223031-18	\$997.00
	201710	N-007040-00173446	VOUCHERS	NEUCO	U9223032-18	\$29,583.10
	201710	N-007040-00173446	VOUCHERS	STONEAGE STONE	052517-1	\$1,910.40
	201711	N-007040-00173446	VOUCHERS	BANK AMER VISA	JOHNSON OCTOBER 2017	\$1,680.00
	201711	N-007040-00173446	VOUCHERS	FOUR SEASONS F	18650	\$5,803.00
	201711	N-007040-00173446	VOUCHERS	NEUCO	U1811003-19	\$3,804.36
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3209009-18	\$232.00
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3510002-18	\$18,455.20
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3510003-18	\$11,925.31
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3510004-18	\$5,343.32
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3510005-18	\$4,922.32
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3510006-18	\$17,000.37
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3510007-18	\$8,613.80
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3510008-18	\$728.00
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3510009-18	\$6,744.58
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3511001-19	\$25,667.04
	201711	N-007040-00173446	VOUCHERS	NEUCO	U3511002-19	\$29,594.98
	201711	N-007040-00173446	VOUCHERS	NEUCO	U9211002-19	\$34,669.71
	201711	N-007040-00173446	VOUCHERS	NEUCO	U9223033-18	\$16,060.72
	201711	N-007040-00173446	VOUCHERS	NEUCO	U9223034-18	\$9,239.32
	201711	N-007040-00173446	VOUCHERS	NEUCO	U9223035-18	\$32,491.48
	201711	N-007040-00173446	VOUCHERS	NEUCO	U9223036-18	\$26,507.15
	201711	N-007040-00173446	VOUCHERS	NEUCO	U9223037-18	\$7,056.74
	201711	N-007040-00173446	VOUCHERS	NEUCO	U9223038-19	\$12,589.25
	201712	N-007040-00173446	VOUCHERS	BANK AMER VISA	APKARIAN NOVEMBER 2017	\$95.11
	201712	N-007040-00173446	VOUCHERS	BANK AMER VISA	JOHNSON PHIL NOVEMBER 2017	\$4.50
	201712	N-007040-00173446	VOUCHERS	NEUCO	U1811004-19	\$17,754.36
	201712	N-007040-00173446	VOUCHERS	NEUCO	U1811009-19	\$41,878.98
	201712	N-007040-00173446	VOUCHERS	NEUCO	U1812001-19	\$11,519.48
	201712	N-007040-00173446	VOUCHERS	NEUCO	U1812003-19	\$23,547.26
	201712	N-007040-00173446	VOUCHERS	NEUCO	U1812004-19	\$22,644.97
	201712	N-007040-00173446	VOUCHERS	NEUCO	U1812005-19	\$5,078.33
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3211003-19	\$16,881.35
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3211005-19	\$18,468.05
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3211006-19	\$7,722.84
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3211009-19	\$23,656.40
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3211010-19	\$17,010.29
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3212003-19	\$31,169.10
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3212004-19	\$22,924.75
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3212005-19	\$14,686.04
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3511003-19	\$13,651.45
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3511004-19	\$5,778.55
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3511006-19	\$12,707.19
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3511007-19	\$23,401.11
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3512001-19	\$22,083.52
	201712	N-007040-00173446	VOUCHERS	NEUCO	U3512002-19	\$23,204.65

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201712	N-007040-00173446	VOUCHERS	NEUCO	U7612002-19	\$11,149.42
	201712	N-007040-00173446	VOUCHERS	NEUCO	U9211004-19	\$3,207.04
	201712	N-007040-00173446	VOUCHERS	NEUCO	U9223039-19	\$30,615.59
	201712	N-007040-00173446	VOUCHERS	NEUCO	U9223040-19	\$45,107.74
	201712	N-007040-00173446	VOUCHERS	NEUCO	U9223041-19	\$50,086.68
	201712	N-007040-00173446	VOUCHERS	NEUCO	U9223042-19	\$30,203.97
	201712	N-007040-00173446	VOUCHERS	NEUCO	U9223043-19	\$33,149.54
	201801	N-007040-00173446	VOUCHERS	NEUCO	U3210008-18	\$22,870.54
	201801	N-007040-00173446	VOUCHERS	NEUCO	U3211002-19	\$17,796.80
	201801	N-007040-00173446	VOUCHERS	NEUCO	U3512003-19	\$16,426.32
	201801	N-007040-00173446	VOUCHERS	NEUCO	U9210005-18	\$12,048.88
	201801	N-007040-00173446	VOUCHERS	NEUCO	U9211001-19	\$23,654.52
40-805 Total						\$2,169,785.84
50-807						
	201705	N-007040-00173446	M/S STORES EXPENSE			\$8,696.55
	201706	N-007040-00173446	M/S STORES EXPENSE			\$1,710.30
	201707	N-007040-00173446	M/S STORES EXPENSE			\$14,963.71
	201708	N-007040-00173446	M/S STORES EXPENSE			\$7,513.77
	201709	N-007040-00173446	M/S STORES EXPENSE			\$2,243.14
	201710	N-007040-00173446	M/S STORES EXPENSE			\$3,106.63
	201711	N-007040-00173446	M/S STORES EXPENSE			\$4,553.55
	201712	N-007040-00173446	M/S STORES EXPENSE			\$5,704.61
	201801	N-007040-00173446	M/S STORES EXPENSE			\$25.07
	201802	N-007040-00173446	M/S STORES EXPENSE			(\$6,472.52)
	201804	N-007040-00173446	M/S STORES EXPENSE			(\$448.00)
50-807 Total						\$41,596.81
51-850						
	201705	N-007040-00173446	EXMPT STOCK EXPENSE			\$4,236.78
	201706	N-007040-00173446	EXMPT STOCK EXPENSE			\$427.57
	201707	N-007040-00173446	EXMPT STOCK EXPENSE			\$3,740.93
	201708	N-007040-00173446	EXMPT STOCK EXPENSE			\$1,878.43
	201709	N-007040-00173446	EXMPT STOCK EXPENSE			\$448.61
	201710	N-007040-00173446	EXMPT STOCK EXPENSE			\$621.29
	201711	N-007040-00173446	EXMPT STOCK EXPENSE			\$182.13
	201712	N-007040-00173446	EXMPT STOCK EXPENSE			\$228.16
	201801	N-007040-00173446	EXMPT STOCK EXPENSE			\$8.14
	201802	N-007040-00173446	EXMPT STOCK EXPENSE			(\$2,103.57)
	201804	N-007040-00173446	EXMPT STOCK EXPENSE			(\$206.77)
51-850 Total						\$9,461.70
55-857						
	201705	N-007040-00173446	EXEMPT STK STORES EXPENSE			\$1,652.34
	201706	N-007040-00173446	EXEMPT STK STORES EXPENSE			\$256.54
	201707	N-007040-00173446	EXEMPT STK STORES EXPENSE			\$2,244.56
	201708	N-007040-00173446	EXEMPT STK STORES EXPENSE			\$1,127.06
	201709	N-007040-00173446	EXEMPT STK STORES EXPENSE			\$112.15

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
55-857						
	201710	N-007040-00173446	EXEMPT STK STORES EXPENSE			\$155.32
	201711	N-007040-00173446	EXEMPT STK STORES EXPENSE			\$45.53
	201712	N-007040-00173446	EXEMPT STK STORES EXPENSE			\$57.04
	201801	N-007040-00173446	EXEMPT STK STORES EXPENSE			\$3.26
	201802	N-007040-00173446	EXEMPT STK STORES EXPENSE			(\$841.43)
	201804	N-007040-00173446	EXEMPT STK STORES EXPENSE			(\$134.40)
55-857 Total						\$4,677.97
60-809						
	201710	N-007040-00173446	WORKERS COMP INS			\$14.13
	201711	N-007040-00173446	WORKERS COMP INS			\$3.88
60-809 Total						\$18.01
60-815						
	201710	N-007040-00173446	MEDICAL COSTS CAP.			\$81.72
	201711	N-007040-00173446	MEDICAL COSTS CAP.			\$101.06
60-815 Total						\$182.78
60-816						
	201710	N-007040-00173446	401K COSTS CAP.			\$14.10
	201711	N-007040-00173446	401K COSTS CAP.			\$19.40
60-816 Total						\$33.50
60-817						
	201710	N-007040-00173446	PBOP COSTS CAP.			\$55.86
	201711	N-007040-00173446	PBOP COSTS CAP.			\$89.40
60-817 Total						\$145.26
70-811						
	201703	N-007040-00173446	CONST E&O OVERHEADS			\$580.40
	201704	N-007040-00173446	CONST E&O OVERHEADS			\$12,031.81
	201705	N-007040-00173446	CONST E&O OVERHEADS			\$63,565.16
	201706	N-007040-00173446	CONST E&O OVERHEADS			\$56,562.05
	201707	N-007040-00173446	CONST E&O OVERHEADS			\$89,245.55
	201708	N-007040-00173446	CONST E&O OVERHEADS			\$145,851.39
	201709	N-007040-00173446	CONST E&O OVERHEADS			\$130,541.86
	201710	N-007040-00173446	CONST E&O OVERHEADS			\$113,737.64
	201711	N-007040-00173446	CONST E&O OVERHEADS			\$105,982.45
	201712	N-007040-00173446	CONST E&O OVERHEADS			(\$125,851.55)
	201801	N-007040-00173446	CONST E&O OVERHEADS			\$21,541.34
	201802	N-007040-00173446	CONST E&O OVERHEADS			(\$10,802.70)
	201804	N-007040-00173446	CONST E&O OVERHEADS			(\$623.88)
70-811 Total						\$602,361.52
70-813						
	201703	N-007040-00173446	CONST OHDS CAP			\$100.23
	201704	N-007040-00173446	CONST OHDS CAP			\$2,077.74
	201705	N-007040-00173446	CONST OHDS CAP			\$10,976.90
	201706	N-007040-00173446	CONST OHDS CAP			\$9,767.56
	201707	N-007040-00173446	CONST OHDS CAP			\$15,411.59

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201708	N-007040-00173446	CONST OHDS CAP			\$25,186.71
	201709	N-007040-00173446	CONST OHDS CAP			\$14,564.75
	201710	N-007040-00173446	CONST OHDS CAP			\$12,689.87
	201711	N-007040-00173446	CONST OHDS CAP			\$13,490.05
	201712	N-007040-00173446	CONST OHDS CAP			(\$20,853.08)
	201801	N-007040-00173446	CONST OHDS CAP			\$2,615.40
	201802	N-007040-00173446	CONST OHDS CAP			(\$1,532.50)
	201804	N-007040-00173446	CONST OHDS CAP			(\$88.51)
70-813 Total						\$84,406.71
80-814						
	201710	N-007040-00173446	SMALL TOOLS			\$8.48
	201711	N-007040-00173446	SMALL TOOLS			\$11.66
80-814 Total						\$20.14
90-822						
	201703	N-007040-00173446	INTEREST CAPITALIZED			\$1.62
	201704	N-007040-00173446	INTEREST CAPITALIZED			\$31.79
	201705	N-007040-00173446	INTEREST CAPITALIZED			\$218.48
	201706	N-007040-00173446	INTEREST CAPITALIZED			\$511.88
	201707	N-007040-00173446	INTEREST CAPITALIZED			\$867.99
	201708	N-007040-00173446	INTEREST CAPITALIZED			\$1,439.50
	201709	N-007040-00173446	INTEREST CAPITALIZED			\$2,121.76
	201710	N-007040-00173446	INTEREST CAPITALIZED			\$2,743.41
	201711	N-007040-00173446	INTEREST CAPITALIZED			\$3,342.65
	201712	N-007040-00173446	INTEREST CAPITALIZED			\$3,985.48
	201801	N-007040-00173446	INTEREST CAPITALIZED			(\$1,992.74)
90-822 Total						\$13,271.82
90-848						
	201712	N-007040-00173446	SUNDRY REVENUE			(\$2,262.40)
90-848 Total						(\$2,262.40)
90-866						
	201710	N-007040-00173446	PAYROLL TAXES CAP.			\$25.72
	201711	N-007040-00173446	PAYROLL TAXES CAP.			\$15.54
90-866 Total						\$41.26
90-867						
	201710	N-007040-00173446	PENSION COST CAP.			\$39.51
	201711	N-007040-00173446	PENSION COST CAP.			\$54.34
90-867 Total						\$93.85
K7-804						
	201705	N-007040-00173446	ISSUE REVERSAL			(\$92.89)
	201708	N-007040-00173446	ISSUE REVERSAL			(\$1,119.16)
	201709	N-007040-00173446	ISSUE REVERSAL			(\$113.45)
	201710	N-007040-00173446	ISSUE REVERSAL			(\$149.68)
	201711	N-007040-00173446	ISSUE REVERSAL			(\$119.36)
	201712	N-007040-00173446	ISSUE REVERSAL			(\$1,008.38)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201801	N-007040-00173446	ISSUE REVERSAL			(\$876.95)
	201802	N-007040-00173446	ISSUE REVERSAL			(\$19,547.34)
	201804	N-007040-00173446	ISSUE REVERSAL			(\$899.20)
K7-804 Total						<u>(\$23,926.41)</u>
						<u>\$3,033,616.31</u>

4/19/2017

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Northern NH Construction Authorization			AUTH: 007045 Date: 3/29/2017 Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB05 Budget Year: 2017 Description: Dover Point Rd Crossing Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 3/29/2017 8:57:03 AM Initiated By: Johnson, Philip Finalized Date: 4/19/2017 1:36:40 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/3/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$286,478.00
4/3/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
4/4/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$286,478.00
4/11/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
4/11/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$42,972.00
4/11/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
4/11/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$243,506.00
4/12/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
4/12/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
4/18/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the replacement of 500' of 2"PE with 1400' of 2" and 4"HDPE including a directional drill of the Spaulding Turnpike. This is being driven by an infrastructure improvement project done by the NHDOT.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The NHDOT is doing a full depth reconstruction of the Spaulding Turnpike along with a bridge replacement. There are direct conflicts with the existing gas main. The NHDOT has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$3,105,630 Total Authorized to Date: \$2,919,965 Total this Authorization: \$286,478 Remaining: \$ - 100,813				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00173450			Dover Point Rd Crossing Dover NH	\$243,506.00
			Total	\$243,506.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201810	N-007045-00173500	INTEREST CAPITALIZED			\$17.93
90-822 Total						<u>\$17.93</u>
95-865						
	201810	N-007045-00173500	MISC PLANT ADJUSTMENT			\$16,302.63
95-865 Total						<u>\$16,302.63</u>
						<u><u>\$16,320.56</u></u>

5/2/2017

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Northern NH Construction Authorization			AUTH: 007046 Date: 4/4/2017 Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB06 Budget Year: 2017 Description: Wakefield St Rochester NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 4/4/2017 11:23:53 AM Initiated By: Johnson, Philip Finalized Date: 5/2/2017 2:02:05 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
4/12/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$899,243.00
4/12/2017	YES	Northrup, Tressa <i>Utility Acctg And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
4/13/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$899,243.00
4/18/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
4/20/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$134,886.00
4/20/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
4/20/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$764,357.00
4/20/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
4/20/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
5/1/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the replacement of 4000' of 6" PE with 4000' of 8" HDPE. This is being driven by an infrastructure improvement project done by the City of Rochester. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Rochester is doing a full depth reconstruction Wakefield St. There are direct conflicts with the existing gas main. The City of Rochester has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$3,105,630 Total Authorized to Date: \$3,206,443 Total this Authorization: \$899,243 Remaining: \$ - 1,000,056				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00173452			Wakefield St Rochester NH	\$764,357.00
			Total	\$764,357.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201705	N-007046-00173452	PAYROLL-ST			\$123.68
	201706	N-007046-00173452	PAYROLL-ST			\$129.60
	201805	N-007046-00173452	PAYROLL-ST			\$0.00
10-800 Total						\$253.28
27-804						
	201705	N-007046-00173452	M&S ISSUE			\$38,003.15
	201706	N-007046-00173452	M&S ISSUE			\$11,324.57
	201707	N-007046-00173452	M&S ISSUE			\$430.25
	201802	N-007046-00173452	M&S ISSUE			\$5,009.84
27-804 Total						\$54,767.81
30-820						
	201706	N-007046-00173452	TRANSPORTATION JE			\$94.00
	201805	N-007046-00173452	TRANSPORTATION JE			\$0.00
30-820 Total						\$94.00
40-805						
	201705	N-007046-00173452	VOUCHERS	ELECTRIC LIGHT	14935	\$560.00
	201705	N-007046-00173452	VOUCHERS	NEUCO	U9522001-18	\$18,767.20
	201705	N-007046-00173452	VOUCHERS	NEUCO	U9522002-18	\$37,029.55
	201705	N-007046-00173452	VOUCHERS	NEUCO	U9522003-18	\$20,352.27
	201706	N-007046-00173452	VOUCHERS	NEUCO	U9522004-18	\$23,812.20
	201706	N-007046-00173452	VOUCHERS	NEUCO	U9522005-18	\$12,661.98
	201706	N-007046-00173452	VOUCHERS	NEUCO	U9522006-18	\$24,467.43
	201706	N-007046-00173452	VOUCHERS	NEUCO	U9522007-18	\$26,818.76
	201706	N-007046-00173452	VOUCHERS	NEUCO	U9522008-18	\$24,988.10
	201706	N-007046-00173452	VOUCHERS	NEUCO	U9522009-18	\$17,657.69
	201707	N-007046-00173452	VOUCHERS	AFTC INC	6375	\$384.00
	201707	N-007046-00173452	VOUCHERS	NEUCO	U9522010-18	\$35,676.43
	201707	N-007046-00173452	VOUCHERS	NEUCO	U9522011-18	\$31,167.89
	201707	N-007046-00173452	VOUCHERS	NEUCO	U9522012-18	\$31,099.87
	201707	N-007046-00173452	VOUCHERS	NEUCO	U9522013-18	\$11,800.00
	201707	N-007046-00173452	VOUCHERS	NEUCO	U9522014-18	\$10,444.60
	201707	N-007046-00173452	VOUCHERS	NEUCO	U9522015-18	\$480.00
	201711	N-007046-00173452	VOUCHERS	ELECTRIC LIGHT	15537	\$2,500.00
	201805	N-007046-00173452	VOUCHERS	AFTC INC	6375	\$0.00
	201805	N-007046-00173452	VOUCHERS	ELECTRIC LIGHT	14935	\$0.00
	201805	N-007046-00173452	VOUCHERS	ELECTRIC LIGHT	15537	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522001-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522002-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522003-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522004-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522005-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522006-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522007-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522008-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522009-18	\$0.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522010-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522011-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522012-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522013-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522014-18	\$0.00
	201805	N-007046-00173452	VOUCHERS	NEUCO	U9522015-18	\$0.00
40-805 Total						\$330,667.97
50-807						
	201705	N-007046-00173452	M/S STORES EXPENSE			\$14,665.91
	201706	N-007046-00173452	M/S STORES EXPENSE			\$6,313.83
	201707	N-007046-00173452	M/S STORES EXPENSE			(\$1,407.66)
	201802	N-007046-00173452	M/S STORES EXPENSE			(\$265.71)
50-807 Total						\$19,306.37
51-850						
	201705	N-007046-00173452	EXMPT STOCK EXPENSE			\$7,144.93
	201706	N-007046-00173452	EXMPT STOCK EXPENSE			\$1,578.47
	201707	N-007046-00173452	EXMPT STOCK EXPENSE			(\$351.91)
	201802	N-007046-00173452	EXMPT STOCK EXPENSE			(\$86.35)
51-850 Total						\$8,285.14
55-857						
	201705	N-007046-00173452	EXEMPT STK STORES EXPENSE			\$2,786.52
	201706	N-007046-00173452	EXEMPT STK STORES EXPENSE			\$947.08
	201707	N-007046-00173452	EXEMPT STK STORES EXPENSE			(\$211.15)
	201802	N-007046-00173452	EXEMPT STK STORES EXPENSE			(\$34.54)
55-857 Total						\$3,487.91
60-809						
	201705	N-007046-00173452	WORKERS COMP INS			\$2.71
	201706	N-007046-00173452	WORKERS COMP INS			\$6.48
	201805	N-007046-00173452	WORKERS COMP INS			\$0.00
60-809 Total						\$9.19
60-815						
	201705	N-007046-00173452	MEDICAL COSTS CAP.			\$30.59
	201706	N-007046-00173452	MEDICAL COSTS CAP.			\$51.84
	201805	N-007046-00173452	MEDICAL COSTS CAP.			\$0.00
60-815 Total						\$82.43
60-816						
	201705	N-007046-00173452	401K COSTS CAP.			\$6.17
	201706	N-007046-00173452	401K COSTS CAP.			\$6.47
	201805	N-007046-00173452	401K COSTS CAP.			\$0.00
60-816 Total						\$12.64
60-817						
	201705	N-007046-00173452	PBOP COSTS CAP.			\$26.95
	201706	N-007046-00173452	PBOP COSTS CAP.			\$31.10

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-817						
	201805	N-007046-00173452	PBOP COSTS CAP.			\$0.00
60-817 Total						\$58.05
70-811						
	201705	N-007046-00173452	CONST E&O OVERHEADS			\$65,895.99
	201706	N-007046-00173452	CONST E&O OVERHEADS			\$71,098.98
	201707	N-007046-00173452	CONST E&O OVERHEADS			\$55,286.16
	201711	N-007046-00173452	CONST E&O OVERHEADS			\$875.00
	201802	N-007046-00173452	CONST E&O OVERHEADS			(\$443.46)
	201805	N-007046-00173452	CONST E&O OVERHEADS			\$0.00
70-811 Total						\$192,712.67
70-813						
	201705	N-007046-00173452	CONST OHDS CAP			\$11,379.41
	201706	N-007046-00173452	CONST OHDS CAP			\$12,277.90
	201707	N-007046-00173452	CONST OHDS CAP			\$9,547.23
	201711	N-007046-00173452	CONST OHDS CAP			\$111.38
	201802	N-007046-00173452	CONST OHDS CAP			(\$62.91)
	201805	N-007046-00173452	CONST OHDS CAP			\$0.00
70-813 Total						\$33,253.01
80-814						
	201705	N-007046-00173452	SMALL TOOLS			\$8.56
	201706	N-007046-00173452	SMALL TOOLS			\$6.48
	201805	N-007046-00173452	SMALL TOOLS			\$0.00
80-814 Total						\$15.04
90-822						
	201705	N-007046-00173452	INTEREST CAPITALIZED			\$183.95
	201706	N-007046-00173452	INTEREST CAPITALIZED			\$566.38
	201707	N-007046-00173452	INTEREST CAPITALIZED			\$919.19
	201711	N-007046-00173452	INTEREST CAPITALIZED			\$1,076.49
90-822 Total						\$2,746.01
90-866						
	201705	N-007046-00173452	PAYROLL TAXES CAP.			\$11.25
	201706	N-007046-00173452	PAYROLL TAXES CAP.			\$11.79
	201805	N-007046-00173452	PAYROLL TAXES CAP.			\$0.00
90-866 Total						\$23.04
90-867						
	201705	N-007046-00173452	PENSION COST CAP.			\$17.29
	201706	N-007046-00173452	PENSION COST CAP.			\$18.12
	201805	N-007046-00173452	PENSION COST CAP.			\$0.00
90-867 Total						\$35.41
K7-804						
	201705	N-007046-00173452	ISSUE REVERSAL			(\$398.24)
	201706	N-007046-00173452	ISSUE REVERSAL			(\$801.47)
	201707	N-007046-00173452	ISSUE REVERSAL			(\$2,776.33)

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201802	N-007046-00173452	ISSUE REVERSAL			(\$5,674.10)
K7-804 Total						<u>(\$9,650.14)</u>
						<u>\$636,159.83</u>

Northern NH Construction Authorization			AUTH: 007050 Date: 6/7/2017 Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB08 Budget Year: 2017 Description: Court St HDD Exeter Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 6/7/2017 8:24:29 AM Initiated By: Johnson, Philip Finalized Date: 6/22/2017 2:00:27 PM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
6/15/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$167,193.00
6/15/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
6/15/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$167,193.00
6/16/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
6/19/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$25,079.00
6/19/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
6/19/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$142,114.00
6/19/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
6/20/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
6/22/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the relocation by Directional Drill of 500' of 4"PE with 500' of 4" HDPE. This is being driven by a culvert replacement by the Town of Exeter.				
This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Exeter is replacing a culvert crossing and our existing main is in direct conflict with the new structure. The City of Exeter has approved a proposed route for the installation of the new gas main. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.				
Total 2017 Budget: \$3,105,630 Total Authorized to Date: \$4,323,758 Total this Authorization: \$167,193 Remaining: \$ - 1,385,321				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00173464			Court St HDD Exeter	\$142,114.00
			Total	\$142,114.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201707	N-007050-00173464	PAYROLL-ST			\$266.96
10-800 Total						\$266.96
27-804						
	201706	N-007050-00173464	M&S ISSUE			\$1,693.68
	201707	N-007050-00173464	M&S ISSUE			\$1,646.31
	201712	N-007050-00173464	M&S ISSUE			\$2,042.19
	201801	N-007050-00173464	M&S ISSUE			\$4,966.58
27-804 Total						\$10,348.76
30-820						
	201707	N-007050-00173464	TRANSPORTATION JE			\$80.00
30-820 Total						\$80.00
40-805						
	201706	N-007050-00173464	VOUCHERS	ISCO INDUST	30018652	\$4,433.00
	201707	N-007050-00173464	VOUCHERS	AFTC INC	6414	\$384.00
	201707	N-007050-00173464	VOUCHERS	NEUCO	U9706007-18	\$778.00
	201707	N-007050-00173464	VOUCHERS	NEUCO	UA306006-18	\$1,026.28
	201707	N-007050-00173464	VOUCHERS	NEUCO	UA306010-18	\$55,104.41
	201707	N-007050-00173464	VOUCHERS	NEUCO	UA307001-18	\$13,663.22
	201707	N-007050-00173464	VOUCHERS	PROCESS PIPE	100670	\$4,507.50
	201708	N-007050-00173464	VOUCHERS	NEUCO	UA306011-18	\$3,884.37
	201708	N-007050-00173464	VOUCHERS	NEUCO	UA306012-18	\$115.00
40-805 Total						\$83,895.78
50-807						
	201706	N-007050-00173464	M/S STORES EXPENSE			\$1,013.90
	201707	N-007050-00173464	M/S STORES EXPENSE			\$987.79
	201712	N-007050-00173464	M/S STORES EXPENSE			\$510.55
	201801	N-007050-00173464	M/S STORES EXPENSE			\$948.52
50-807 Total						\$3,460.76
51-850						
	201706	N-007050-00173464	EXMPT STOCK EXPENSE			\$253.48
	201707	N-007050-00173464	EXMPT STOCK EXPENSE			\$246.95
	201712	N-007050-00173464	EXMPT STOCK EXPENSE			\$20.42
	201801	N-007050-00173464	EXMPT STOCK EXPENSE			\$308.27
51-850 Total						\$829.12
55-857						
	201706	N-007050-00173464	EXEMPT STK STORES EXPENSE			\$152.09
	201707	N-007050-00173464	EXEMPT STK STORES EXPENSE			\$148.17
	201712	N-007050-00173464	EXEMPT STK STORES EXPENSE			\$5.11
	201801	N-007050-00173464	EXEMPT STK STORES EXPENSE			\$123.31
55-857 Total						\$428.68
60-809						
	201707	N-007050-00173464	WORKERS COMP INS			\$13.35
60-809 Total						\$13.35

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
60-815						
	201707	N-007050-00173464	MEDICAL COSTS CAP.			\$160.18
60-815 Total						\$160.18
60-816						
	201707	N-007050-00173464	401K COSTS CAP.			\$13.32
60-816 Total						\$13.32
60-817						
	201707	N-007050-00173464	PBOP COSTS CAP.			\$64.07
60-817 Total						\$64.07
70-811						
	201706	N-007050-00173464	CONST E&O OVERHEADS			\$3,572.04
	201707	N-007050-00173464	CONST E&O OVERHEADS			\$37,490.24
	201708	N-007050-00173464	CONST E&O OVERHEADS			\$1,894.10
	201712	N-007050-00173464	CONST E&O OVERHEADS			\$75.23
	201801	N-007050-00173464	CONST E&O OVERHEADS			\$1,583.11
70-811 Total						\$44,614.72
70-813						
	201706	N-007050-00173464	CONST OHDS CAP			\$616.85
	201707	N-007050-00173464	CONST OHDS CAP			\$6,474.10
	201708	N-007050-00173464	CONST OHDS CAP			\$327.09
	201801	N-007050-00173464	CONST OHDS CAP			\$224.58
70-813 Total						\$7,642.62
80-814						
	201707	N-007050-00173464	SMALL TOOLS			\$8.01
80-814 Total						\$8.01
90-822						
	201706	N-007050-00173464	INTEREST CAPITALIZED			\$9.09
	201707	N-007050-00173464	INTEREST CAPITALIZED			\$107.74
	201708	N-007050-00173464	INTEREST CAPITALIZED			\$201.80
	201712	N-007050-00173464	INTEREST CAPITALIZED			\$238.57
	201801	N-007050-00173464	INTEREST CAPITALIZED			(\$119.29)
90-822 Total						\$437.91
90-866						
	201707	N-007050-00173464	PAYROLL TAXES CAP.			\$24.29
90-866 Total						\$24.29
90-867						
	201707	N-007050-00173464	PENSION COST CAP.			\$37.32
90-867 Total						\$37.32
95-865						
	201712	N-007050-00173464	MISC PLANT ADJUSTMENT			\$35,325.49
95-865 Total						\$35,325.49

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
K7-804						
	201706	N-007050-00173464	ISSUE REVERSAL			(\$3.84)
	201801	N-007050-00173464	ISSUE REVERSAL			(\$2,595.24)
K7-804 Total						(\$2,599.08)
						\$185,052.26

8/28/2017

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Northern NH Construction Authorization			AUTH: 007058 Date: 8/16/2017 Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB09 Budget Year: 2017 Description: Tanner,Parker,Sudbury,Brewster,McDonough, Hanover Sts Portsmouth Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 8/16/2017 10:03:23 AM Initiated By: Johnson, Philip Finalized Date: 8/28/2017 11:09:48 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
8/18/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$604,483.00
8/18/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
8/18/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$604,483.00
8/18/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
8/21/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$90,672.00
8/21/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
8/21/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$513,811.00
8/23/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
8/23/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
8/25/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the relocation of 4,400' of gas main due to a City project, the gas main will be 2" HDPE and upgraded from LP to IP. This also includes (99) services that will be upgraded to IP. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is doing a full depth reconstruction of Tanner St, Parker St, Pearl St, Sudbury St, Brewster St, Langdon St, Cornwall St, Rockingham St, McDonough St and Hanover St. The existing gas main is in direct conflict with new structures being installed. The City of Portsmouth has approved a proposed route for the installation of the new gas mains. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$3,105,630 Total Authorized to Date: \$4,490,951 Total this Authorization: \$604,483 Remaining: \$ - 1,989,804				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO		Description		Amount
00173476		Tanner,Parker,Sudbury,Brewster,McDonough, Hanover Sts Portsmouth		\$513,811.00
		Total		\$513,811.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201709	N-007058-00173476	PAYROLL-ST			\$141.28
	201711	N-007058-00173476	PAYROLL-ST			\$1,826.57
	201712	N-007058-00173476	PAYROLL-ST			\$966.86
	201801	N-007058-00173476	PAYROLL-ST			\$1,474.98
10-800 Total						\$4,409.69
10-803						
	201711	N-007058-00173476	PAYROLL-OT			\$1,519.17
	201801	N-007058-00173476	PAYROLL-OT			\$493.69
10-803 Total						\$2,012.86
27-804						
	201708	N-007058-00173476	M&S ISSUE			\$370.75
	201709	N-007058-00173476	M&S ISSUE			\$2,604.17
	201710	N-007058-00173476	M&S ISSUE			\$12,246.45
	201711	N-007058-00173476	M&S ISSUE			\$15,183.12
	201712	N-007058-00173476	M&S ISSUE			\$2,443.87
	201801	N-007058-00173476	M&S ISSUE			\$75.86
	201804	N-007058-00173476	M&S ISSUE			\$3,579.25
27-804 Total						\$36,503.47
30-820						
	201709	N-007058-00173476	TRANSPORTATION JE			\$40.00
30-820 Total						\$40.00
40-805						
	201709	N-007058-00173476	VOUCHERS	NEUCO	U1808009-18	\$24,583.77
	201709	N-007058-00173476	VOUCHERS	NEUCO	U1808011-18	\$1,442.76
	201709	N-007058-00173476	VOUCHERS	NEUCO	U1808012-18	\$13,112.38
	201709	N-007058-00173476	VOUCHERS	NEUCO	U1809002-18	\$6,680.76
	201709	N-007058-00173476	VOUCHERS	NEUCO	U1809004-18	\$24,172.46
	201709	N-007058-00173476	VOUCHERS	NEUCO	U3209001-18	\$8,580.01
	201710	N-007058-00173476	VOUCHERS	BANK AMER VISA	RIPLEY SEPTEMBER 2017	\$1.10
	201710	N-007058-00173476	VOUCHERS	NEUCO	U1809006-18	\$26,397.80
	201710	N-007058-00173476	VOUCHERS	NEUCO	U1809007-18	\$32,148.50
	201710	N-007058-00173476	VOUCHERS	NEUCO	U1810001-18	\$28,170.50
	201710	N-007058-00173476	VOUCHERS	NEUCO	U3209003-18	\$15,643.19
	201710	N-007058-00173476	VOUCHERS	NEUCO	U3209008-18	\$31,661.38
	201710	N-007058-00173476	VOUCHERS	NEUCO	U3210001-18	\$21,220.87
	201710	N-007058-00173476	VOUCHERS	NEUCO	U3210002-18	\$15,735.96
	201711	N-007058-00173476	VOUCHERS	BANK AMER VISA	RIPLEY OCTOBER 2017	\$1.10
	201711	N-007058-00173476	VOUCHERS	JDH INSPECTION	17-0749	\$2,433.80
	201711	N-007058-00173476	VOUCHERS	NEUCO	U1810003-18	\$23,911.66
	201711	N-007058-00173476	VOUCHERS	NEUCO	U1810004-18	\$31,852.89
	201711	N-007058-00173476	VOUCHERS	NEUCO	U1810006-18	\$18,611.36
	201711	N-007058-00173476	VOUCHERS	NEUCO	U1810007-18	\$5,583.36
	201711	N-007058-00173476	VOUCHERS	NEUCO	U1811001-19	\$10,823.14
	201711	N-007058-00173476	VOUCHERS	NEUCO	U3210004-18	\$20,108.63
	201711	N-007058-00173476	VOUCHERS	NEUCO	U3210006-18	\$29,164.83

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201711	N-007058-00173476	VOUCHERS	NEUCO	U3210008-18	\$22,870.54
	201711	N-007058-00173476	VOUCHERS	NEUCO	U9210005-18	\$12,048.88
	201711	N-007058-00173476	VOUCHERS	NEUCO	U9211001-19	\$23,654.52
	201712	N-007058-00173476	VOUCHERS	BANK AMER VISA	RIPLEY NOVEMBER 2017	\$309.95
	201712	N-007058-00173476	VOUCHERS	CAMBRIDGE VALVE	1648016	\$606.74
	201712	N-007058-00173476	VOUCHERS	COLLINS PIPE	3031632	\$242.33
	201712	N-007058-00173476	VOUCHERS	COTES AUTO	29062	\$405.00
	201712	N-007058-00173476	VOUCHERS	COTES AUTO	29090	\$405.00
	201712	N-007058-00173476	VOUCHERS	ELECTRIC LIGHT	15656	\$6,250.00
	201712	N-007058-00173476	VOUCHERS	FOUR SEASONS F	18707	\$1,560.00
	201712	N-007058-00173476	VOUCHERS	JDH INSPECTION	17-0783	\$1,612.00
	201712	N-007058-00173476	VOUCHERS	NEUCO	U1811005-19	\$12,438.88
	201712	N-007058-00173476	VOUCHERS	NEUCO	U3210009-18	\$232.00
	201712	N-007058-00173476	VOUCHERS	NEUCO	U3211002-19	\$17,796.80
	201712	N-007058-00173476	VOUCHERS	NEUCO	U3512003-19	\$16,426.32
	201712	N-007058-00173476	VOUCHERS	NEUCO	U7711004-19	\$1,282.32
	201712	N-007058-00173476	VOUCHERS	POWELL CONTROLS	71157	\$1,654.97
	201712	N-007058-00173476	VOUCHERS	RICCI LUMBER	967239	\$13.77
	201712	N-007058-00173476	VOUCHERS	RICCI LUMBER	967255	\$4.40
	201801	N-007058-00173476	VOUCHERS	BANK AMER VISA	GROETZ DECEMBER 2017	\$60.86
	201801	N-007058-00173476	VOUCHERS	BI TORQ VALVE	11285	\$2,281.38
	201801	N-007058-00173476	VOUCHERS	ELSTER PERFECT	91259377	\$320.59
	201801	N-007058-00173476	VOUCHERS	NEUCO	U3210008-18	(\$22,870.54)
	201801	N-007058-00173476	VOUCHERS	NEUCO	U3211002-19	(\$17,796.80)
	201801	N-007058-00173476	VOUCHERS	NEUCO	U3512003-19	(\$16,426.32)
	201801	N-007058-00173476	VOUCHERS	NEUCO	U9210005-18	(\$12,048.88)
	201801	N-007058-00173476	VOUCHERS	NEUCO	U9211001-19	(\$23,654.52)
	201801	N-007058-00173476	VOUCHERS	POWELL CONTROLS	80012	\$1,940.97
	201802	N-007058-00173476	VOUCHERS	ELSTER AMER	91261490	\$410.27
	201804	N-007058-00173476	VOUCHERS	HUBBELL LENOIR	421583731	\$3,643.98
40-805 Total						\$427,717.62
50-807						
	201708	N-007058-00173476	M/S STORES EXPENSE			\$222.44
	201709	N-007058-00173476	M/S STORES EXPENSE			\$651.10
	201710	N-007058-00173476	M/S STORES EXPENSE			\$3,009.63
	201711	N-007058-00173476	M/S STORES EXPENSE			\$3,714.99
	201712	N-007058-00173476	M/S STORES EXPENSE			\$516.43
	201801	N-007058-00173476	M/S STORES EXPENSE			\$30.34
	201804	N-007058-00173476	M/S STORES EXPENSE			(\$1,202.99)
50-807 Total						\$6,941.94
51-850						
	201708	N-007058-00173476	EXMPT STOCK EXPENSE			\$55.61
	201709	N-007058-00173476	EXMPT STOCK EXPENSE			\$130.21
	201710	N-007058-00173476	EXMPT STOCK EXPENSE			\$601.90
	201711	N-007058-00173476	EXMPT STOCK EXPENSE			\$148.59
	201712	N-007058-00173476	EXMPT STOCK EXPENSE			\$20.66

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
51-850						
	201801	N-007058-00173476	EXMPT STOCK EXPENSE			\$9.86
	201804	N-007058-00173476	EXMPT STOCK EXPENSE			(\$555.22)
51-850 Total						\$411.61
55-857						
	201708	N-007058-00173476	EXEMPT STK STORES EXPENSE			\$33.37
	201709	N-007058-00173476	EXEMPT STK STORES EXPENSE			\$32.55
	201710	N-007058-00173476	EXEMPT STK STORES EXPENSE			\$150.48
	201711	N-007058-00173476	EXEMPT STK STORES EXPENSE			\$37.15
	201712	N-007058-00173476	EXEMPT STK STORES EXPENSE			\$5.17
	201801	N-007058-00173476	EXEMPT STK STORES EXPENSE			\$3.94
	201804	N-007058-00173476	EXEMPT STK STORES EXPENSE			(\$360.89)
55-857 Total						(\$98.23)
60-809						
	201709	N-007058-00173476	WORKERS COMP INS			\$7.06
	201711	N-007058-00173476	WORKERS COMP INS			\$33.46
	201801	N-007058-00173476	WORKERS COMP INS			\$56.69
60-809 Total						\$97.21
60-815						
	201709	N-007058-00173476	MEDICAL COSTS CAP.			\$84.76
	201711	N-007058-00173476	MEDICAL COSTS CAP.			\$869.89
	201801	N-007058-00173476	MEDICAL COSTS CAP.			\$568.36
60-815 Total						\$1,523.01
60-816						
	201709	N-007058-00173476	401K COSTS CAP.			\$7.05
	201711	N-007058-00173476	401K COSTS CAP.			\$166.95
	201801	N-007058-00173476	401K COSTS CAP.			\$102.76
60-816 Total						\$276.76
60-817						
	201709	N-007058-00173476	PBOP COSTS CAP.			\$27.93
	201711	N-007058-00173476	PBOP COSTS CAP.			\$769.52
	201801	N-007058-00173476	PBOP COSTS CAP.			\$190.76
60-817 Total						\$988.21
70-811						
	201708	N-007058-00173476	CONST E&O OVERHEADS			\$323.08
	201709	N-007058-00173476	CONST E&O OVERHEADS			\$34,580.73
	201710	N-007058-00173476	CONST E&O OVERHEADS			\$78,447.28
	201711	N-007058-00173476	CONST E&O OVERHEADS			\$78,999.21
	201712	N-007058-00173476	CONST E&O OVERHEADS			\$1,891.31
	201801	N-007058-00173476	CONST E&O OVERHEADS			(\$18,106.38)
	201802	N-007058-00173476	CONST E&O OVERHEADS			\$173.13
	201804	N-007058-00173476	CONST E&O OVERHEADS			(\$144.79)
70-811 Total						\$176,163.57

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201708	N-007058-00173476	CONST OHDS CAP			\$55.79
	201709	N-007058-00173476	CONST OHDS CAP			\$3,858.23
	201710	N-007058-00173476	CONST OHDS CAP			\$8,752.48
	201711	N-007058-00173476	CONST OHDS CAP			\$10,055.48
	201801	N-007058-00173476	CONST OHDS CAP			(\$2,128.11)
	201802	N-007058-00173476	CONST OHDS CAP			\$24.56
	201804	N-007058-00173476	CONST OHDS CAP			(\$66.90)
70-813 Total						\$20,551.53
80-814						
	201709	N-007058-00173476	SMALL TOOLS			\$4.24
	201711	N-007058-00173476	SMALL TOOLS			\$100.38
	201801	N-007058-00173476	SMALL TOOLS			\$89.58
80-814 Total						\$194.20
90-822						
	201708	N-007058-00173476	INTEREST CAPITALIZED			\$0.90
	201709	N-007058-00173476	INTEREST CAPITALIZED			\$89.70
	201710	N-007058-00173476	INTEREST CAPITALIZED			\$378.51
	201711	N-007058-00173476	INTEREST CAPITALIZED			\$810.17
	201712	N-007058-00173476	INTEREST CAPITALIZED			\$1,089.46
	201801	N-007058-00173476	INTEREST CAPITALIZED			(\$544.73)
90-822 Total						\$1,824.01
90-866						
	201709	N-007058-00173476	PAYROLL TAXES CAP.			\$12.86
	201711	N-007058-00173476	PAYROLL TAXES CAP.			\$133.83
	201801	N-007058-00173476	PAYROLL TAXES CAP.			\$181.12
90-866 Total						\$327.81
90-867						
	201709	N-007058-00173476	PENSION COST CAP.			\$19.75
	201711	N-007058-00173476	PENSION COST CAP.			\$467.74
	201801	N-007058-00173476	PENSION COST CAP.			\$158.87
90-867 Total						\$646.36
K7-804						
	201710	N-007058-00173476	ISSUE REVERSAL			(\$208.53)
	201711	N-007058-00173476	ISSUE REVERSAL			(\$324.04)
	201712	N-007058-00173476	ISSUE REVERSAL			(\$378.24)
	201804	N-007058-00173476	ISSUE REVERSAL			(\$5,429.97)
K7-804 Total						(\$6,340.78)
						\$674,190.85

Northern NH Construction Authorization		AUTH: 007069 Date: 11/1/2017 Budgeted Amount: \$3,105,553.00
Budget Item No: JHB10 Budget Year: 2017 Description: Chestnut St Portsmouth NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:	Type: Original Sequence: 1 Status: Completed Initiated Date: 11/1/2017 11:13:06 AM Initiated By: Johnson, Phillip Finalized Date: 11/27/2017 9:18:53 AM Finalized By: Laffond, Courtney	
APPROVALS		
Action Date	Approved	Approver/Title
11/2/2017	YES	Laffond, Courtney <i>Plant Accountant</i>
11/2/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>
11/2/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>
11/7/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>
11/20/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>
11/20/2017	YES	Sprague, Kevin <i>Director Engineering</i>
11/20/2017	YES	Main, Dan <i>Assistant Controller</i>
11/20/2017	YES	Brock, Laurence <i>Controller & CAO</i>
11/20/2017	YES	Meissner, Thomas <i>SVP And COO</i>
11/21/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>
ESTIMATED COST SUMMARY		
		Description
		Amount
		Total Project Cost:
		\$30,050.00
		Less Customer Contribution:
		\$0.00
		Net Authorized Cost:
		\$30,050.00
		Retirement:
		\$0.00
		Cost Of Removal:
		\$4,508.00
		Salvage:
		\$0.00
		CWO Total:
		\$25,542.00
DESCRIPTION/SCOPE		
This authorization is for the relocation of 300' of 4"gas main due to a City project, This also includes (2) services. This project has been reviewed and approved by the local engineering department.		
JUSTIFICATION		
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Portsmouth is doing a full depth reconstruction of Chestnut St. The existing gas main is in direct conflict with new structures being installed. The City of Portsmouth has approved a proposed route for the installation of the new gas mains. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation.		
Total 2017 Budget: \$3,105,630 Total Authorized to Date: \$5,095,434 Total this Authorization: \$30,050 Remaining: \$ - 2,019,854		
NOTES		
AUTHORIZATION COMMENTS		
CWO Summary		
CWO		Description
00173492		Chestnut St Portsmouth NH
		Amount
		\$25,542.00
		Total
		\$25,542.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201712	N-007069-00173492	M&S ISSUE			\$1,188.71
27-804 Total						\$1,188.71
40-805						
	201712	N-007069-00173492	VOUCHERS	NEUCO	U7611007-19	\$3,364.37
	201712	N-007069-00173492	VOUCHERS	NEUCO	U7612003-19	\$6,367.73
	201803	N-007069-00173492	VOUCHERS	NEUCO	U7611007-19	\$0.00
	201803	N-007069-00173492	VOUCHERS	NEUCO	U7612003-19	\$0.00
40-805 Total						\$9,732.10
50-807						
	201712	N-007069-00173492	M/S STORES EXPENSE			\$218.06
50-807 Total						\$218.06
51-850						
	201712	N-007069-00173492	EXMPT STOCK EXPENSE			\$8.72
51-850 Total						\$8.72
55-857						
	201712	N-007069-00173492	EXEMPT STK STORES EXPENSE			\$2.18
55-857 Total						\$2.18
70-811						
	201712	N-007069-00173492	CONST E&O OVERHEADS			\$316.12
	201803	N-007069-00173492	CONST E&O OVERHEADS			\$0.00
70-811 Total						\$316.12
90-822						
	201712	N-007069-00173492	INTEREST CAPITALIZED			\$4.10
90-822 Total						\$4.10
K7-804						
	201712	N-007069-00173492	ISSUE REVERSAL			(\$316.57)
K7-804 Total						(\$316.57)
						\$11,153.42

Northern NH Construction Authorization			AUTH: 007070 Date: 11/3/2017 Budgeted Amount: \$3,105,553.00	
Budget Item No: JHB11 Budget Year: 2017 Description: Third St Dover NH Project Supervisor: Johnson, Philip Crew Days: 0 Start Date: Completion Date:			Type: Original Sequence: 1 Status: Completed Initiated Date: 11/3/2017 8:02:46 AM Initiated By: Johnson, Philip Finalized Date: 11/27/2017 9:20:01 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY	
Action Date	Approved	Approver/Title	Description	Amount
11/8/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost:	\$57,859.00
11/8/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution:	\$0.00
11/8/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost:	\$57,859.00
11/8/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement:	\$0.00
11/20/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal:	\$8,679.00
11/20/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage:	\$0.00
11/20/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total:	\$49,180.00
11/20/2017	YES	Brock, Laurence <i>Controller & CAO</i>		
11/20/2017	YES	Meissner, Thomas <i>SVP And COO</i>		
11/21/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>		
DESCRIPTION/SCOPE				
This authorization is for the relocation of 300' of 6" gas main due to a City project. This also includes (3) services. This project has been reviewed and approved by the local engineering department.				
JUSTIFICATION				
As City and State projects develop it is often necessary that gas lines be relocated and/or upgraded due to construction conflicts. The City of Dover is doing a full depth reconstruction of Third St. The existing gas main is in direct conflict with new structures being installed. The City of Dover has approved a proposed route for the installation of the new gas mains. State Mandate - gas lines in conflict with any City or State project will be relocated by the utility. NH Department of Transportation. Total 2017 Budget: \$3,105,630 Total Authorized to Date: \$5,125,484 Total this Authorization: \$57,859 Remaining: \$ - 2,077,713				
NOTES				
AUTHORIZATION COMMENTS				
CWO Summary				
CWO			Description	Amount
00173493			Third St Dover NH	\$49,180.00
			Total	\$49,180.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
27-804						
	201712	N-007070-00173493	M&S ISSUE			\$3,734.08
	201803	N-007070-00173493	M&S ISSUE			\$257.77
	201804	N-007070-00173493	M&S ISSUE			\$45.12
27-804 Total						\$4,036.97
40-805						
	201712	N-007070-00173493	VOUCHERS	NEUCO	U6111003-19	\$5.00
	201712	N-007070-00173493	VOUCHERS	NEUCO	U6112001-19	\$18,573.14
	201712	N-007070-00173493	VOUCHERS	NEUCO	U6112002-19	\$16,630.58
	201712	N-007070-00173493	VOUCHERS	NEUCO	U6112003-19	\$10,434.37
	201712	N-007070-00173493	VOUCHERS	NEUCO	U6912003-19	\$3,603.80
40-805 Total						\$49,246.89
50-807						
	201712	N-007070-00173493	M/S STORES EXPENSE			\$865.38
	201801	N-007070-00173493	M/S STORES EXPENSE			(\$15.27)
	201803	N-007070-00173493	M/S STORES EXPENSE			(\$99.18)
	201804	N-007070-00173493	M/S STORES EXPENSE			\$29.33
50-807 Total						\$780.26
51-850						
	201712	N-007070-00173493	EXMPT STOCK EXPENSE			\$34.61
	201801	N-007070-00173493	EXMPT STOCK EXPENSE			(\$4.96)
	201803	N-007070-00173493	EXMPT STOCK EXPENSE			(\$32.23)
	201804	N-007070-00173493	EXMPT STOCK EXPENSE			\$13.54
51-850 Total						\$10.96
55-857						
	201712	N-007070-00173493	EXEMPT STK STORES EXPENSE			\$8.65
	201801	N-007070-00173493	EXEMPT STK STORES EXPENSE			(\$1.98)
	201803	N-007070-00173493	EXEMPT STK STORES EXPENSE			(\$12.89)
	201804	N-007070-00173493	EXEMPT STK STORES EXPENSE			\$8.80
55-857 Total						\$2.58
70-811						
	201712	N-007070-00173493	CONST E&O OVERHEADS			\$1,564.54
	201801	N-007070-00173493	CONST E&O OVERHEADS			(\$25.48)
	201803	N-007070-00173493	CONST E&O OVERHEADS			(\$165.53)
	201804	N-007070-00173493	CONST E&O OVERHEADS			\$40.85
70-811 Total						\$1,414.38
70-813						
	201801	N-007070-00173493	CONST OHDS CAP			(\$3.62)
	201803	N-007070-00173493	CONST OHDS CAP			(\$23.48)
	201804	N-007070-00173493	CONST OHDS CAP			\$5.79
70-813 Total						(\$21.31)
90-822						
	201712	N-007070-00173493	INTEREST CAPITALIZED			\$40.44
	201801	N-007070-00173493	INTEREST CAPITALIZED			\$104.58

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
90-822						
	201803	N-007070-00173493	INTEREST CAPITALIZED			\$51.92
90-822 Total						<u>\$196.94</u>
K7-804						
	201712	N-007070-00173493	ISSUE REVERSAL			(\$272.64)
	201801	N-007070-00173493	ISSUE REVERSAL			(\$38.18)
	201803	N-007070-00173493	ISSUE REVERSAL			(\$505.73)
K7-804 Total						<u>(\$816.55)</u>
						<u><u>\$54,851.12</u></u>

Northern NH			AUTH: 007059
Construction Authorization			Date: 8/18/2017
			Budgeted Amount: \$773,209.38
Budget Item No: JPB08 Budget Year: 2017 Description: Rochester Reinforcement Phase 1 Project Supervisor: Crew Days: 0 Start Date: Completion Date:		Type: Original Sequence: 1 Status: Completed Initiated Date: 8/18/2017 11:12:43 AM Initiated By: Johnson, Philip Finalized Date: 9/21/2017 7:50:22 AM Finalized By: Laffond, Courtney	
APPROVALS			ESTIMATED COST SUMMARY
Action Date	Approved	Approver/Title	Description
8/23/2017	YES	Laffond, Courtney <i>Plant Accountant</i>	Total Project Cost: \$812,149.00
8/25/2017	YES	Northrup, Tressa <i>Utility Acctng And Budgeting Mgr</i>	Less Customer Contribution: \$0.00
8/24/2017	YES	Ciulla, Mel <i>Manager, Gas Distribution Operations</i>	Net Authorized Cost: \$812,149.00
8/25/2017	YES	Bickford, Timothy <i>Manager Gas Engineering</i>	Retirement: \$0.00
8/28/2017	YES	Leblanc, Christopher <i>VP, Gas Operations</i>	Cost Of Removal: \$0.00
8/28/2017	YES	Sprague, Kevin <i>Director Engineering</i>	Salvage: \$0.00
8/28/2017	YES	Main, Dan <i>Assistant Controller</i>	CWO Total: \$812,149.00
8/28/2017	YES	Brock, Laurence <i>Controller & CAO</i>	
9/5/2017	YES	Meissner, Thomas <i>SVP And COO</i>	
9/20/2017	YES	Collin, Mark <i>SVP And Chief Financial Officer</i>	
DESCRIPTION/SCOPE			
The reinforcement is starting from Washington St going down Roy St, then Walnut St, to Twombly St, then North Main St to 400 North Main Street installing 8" HD Plastic Pipe. This reinforcement is to support the Farmington Growth project on Route 11.			
JUSTIFICATION			
Rochester reinforcement is to expand into Farmington and reinforce the Rochester system. Due to substantial forecasted load growth in Rochester and Farmington, the Rochester 45 psig (MAOP) distribution system pressures will fall significantly below the design threshold. This system reinforcement is necessary to support forecasted load growth in both Rochester and Farmington. This system reinforcement will provide the required supply for the growth expansion down Route 11, the distribution system that will be improved will ensure system reliability.			
NOTES			
AUTHORIZATION COMMENTS			
CWO Summary			
CWO	Description		Amount
00173477	Rochester Reinforcement		\$812,149.00
	Total		\$812,149.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
10-800						
	201712	N-007059-00173477	PAYROLL-ST			\$431.20
	201801	N-007059-00173477	PAYROLL-ST			\$282.56
	201806	N-007059-00173477	PAYROLL-ST			\$0.00
10-800 Total						\$713.76
27-804						
	201709	N-007059-00173477	M&S ISSUE			\$71.96
	201710	N-007059-00173477	M&S ISSUE			\$89,302.59
	201711	N-007059-00173477	M&S ISSUE			\$1,978.42
	201712	N-007059-00173477	M&S ISSUE			\$3,407.24
	201801	N-007059-00173477	M&S ISSUE			\$1,549.78
	201802	N-007059-00173477	M&S ISSUE			\$1,137.47
	201803	N-007059-00173477	M&S ISSUE			\$529.06
	201804	N-007059-00173477	M&S ISSUE			\$14.78
27-804 Total						\$97,991.30
30-820						
	201712	N-007059-00173477	TRANSPORTATION JE			\$300.00
	201806	N-007059-00173477	TRANSPORTATION JE			\$0.00
30-820 Total						\$300.00
40-805						
	201710	N-007059-00173477	VOUCHERS	ELECTRIC LIGHT	1541600	\$3,750.00
	201710	N-007059-00173477	VOUCHERS	NEUCO	U4809001-18	\$5,878.98
	201710	N-007059-00173477	VOUCHERS	NEUCO	U9509006-18	\$29,149.68
	201710	N-007059-00173477	VOUCHERS	NEUCO	U9509007-18	\$22,902.07
	201710	N-007059-00173477	VOUCHERS	NEUCO	U9509008-18	\$50,565.40
	201710	N-007059-00173477	VOUCHERS	NEUCO	U9509010-18	\$11,298.53
	201710	N-007059-00173477	VOUCHERS	NEUCO	U9510001-18	\$51,148.66
	201710	N-007059-00173477	VOUCHERS	NEUCO	U9510003-18	\$21,164.33
	201710	N-007059-00173477	VOUCHERS	NEUCO	u9509002-18	\$2,208.00
	201711	N-007059-00173477	VOUCHERS	NEUCO	U9510004-18	\$31,128.62
	201711	N-007059-00173477	VOUCHERS	NEUCO	U9510005-18	\$52,407.61
	201711	N-007059-00173477	VOUCHERS	NEUCO	U9510006-18	\$6,060.96
	201711	N-007059-00173477	VOUCHERS	NEUCO	U9510008-18	\$7,188.38
	201711	N-007059-00173477	VOUCHERS	NEUCO	U9511001-19	\$24,441.83
	201711	N-007059-00173477	VOUCHERS	NEUCO	U9511002-19	\$30,732.10
	201711	N-007059-00173477	VOUCHERS	PETTY CASH NUNH	10312017	\$100.00
	201712	N-007059-00173477	VOUCHERS	NEUCO	U9511004-19	\$11,651.30
	201712	N-007059-00173477	VOUCHERS	NEUCO	U9511005-19	\$52,449.64
	201712	N-007059-00173477	VOUCHERS	NEUCO	U9511007-19	\$40,154.78
	201712	N-007059-00173477	VOUCHERS	NEUCO	U9512001-19	\$30,687.63
	201712	N-007059-00173477	VOUCHERS	NEUCO	U9512003-19	\$20,277.02
	201712	N-007059-00173477	VOUCHERS	NEUCO	U9711007-19	\$11,435.29
	201712	N-007059-00173477	VOUCHERS	NEUCO	U9711009-19	\$3,889.02
	201801	N-007059-00173477	VOUCHERS	ROCHESTER PD	RPD 18-67	\$630.36
	201802	N-007059-00173477	VOUCHERS	ROCHESTER PD	RPD 18-88	\$894.33
	201806	N-007059-00173477	VOUCHERS	ELECTRIC LIGHT	1541600	\$0.00

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
40-805						
	201806	N-007059-00173477	VOUCHERS	NEUCO	U4809001-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9509006-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9509007-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9509008-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9509010-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9510001-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9510003-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9510004-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9510005-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9510006-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9510008-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9511001-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9511002-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9511004-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9511005-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9511007-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9511007-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9512001-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9512003-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9711007-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	U9711009-19	\$0.00
	201806	N-007059-00173477	VOUCHERS	NEUCO	u9509002-18	\$0.00
	201806	N-007059-00173477	VOUCHERS	PETTY CASH NUNH	10312017	\$0.00
	201806	N-007059-00173477	VOUCHERS	ROCHESTER PD	RPD 18-67	\$0.00
	201806	N-007059-00173477	VOUCHERS	ROCHESTER PD	RPD 18-88	\$0.00
40-805 Total						\$522,194.52
50-807						
	201709	N-007059-00173477	M/S STORES EXPENSE			\$17.99
	201710	N-007059-00173477	M/S STORES EXPENSE			\$22,325.65
	201711	N-007059-00173477	M/S STORES EXPENSE			\$355.55
	201712	N-007059-00173477	M/S STORES EXPENSE			\$487.30
	201801	N-007059-00173477	M/S STORES EXPENSE			\$619.92
	201802	N-007059-00173477	M/S STORES EXPENSE			(\$2,903.32)
	201803	N-007059-00173477	M/S STORES EXPENSE			\$165.90
	201804	N-007059-00173477	M/S STORES EXPENSE			\$9.61
50-807 Total						\$21,078.60
51-850						
	201709	N-007059-00173477	EXMPT STOCK EXPENSE			\$3.60
	201710	N-007059-00173477	EXMPT STOCK EXPENSE			\$4,465.13
	201711	N-007059-00173477	EXMPT STOCK EXPENSE			\$14.22
	201712	N-007059-00173477	EXMPT STOCK EXPENSE			\$19.49
	201801	N-007059-00173477	EXMPT STOCK EXPENSE			\$201.47
	201802	N-007059-00173477	EXMPT STOCK EXPENSE			(\$943.58)
	201803	N-007059-00173477	EXMPT STOCK EXPENSE			\$53.92
	201804	N-007059-00173477	EXMPT STOCK EXPENSE			\$4.43
51-850 Total						\$3,818.68

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
55-857						
	201709	N-007059-00173477	EXEMPT STK STORES EXPENSE			\$0.90
	201710	N-007059-00173477	EXEMPT STK STORES EXPENSE			\$1,116.28
	201711	N-007059-00173477	EXEMPT STK STORES EXPENSE			\$3.56
	201712	N-007059-00173477	EXEMPT STK STORES EXPENSE			\$4.87
	201801	N-007059-00173477	EXEMPT STK STORES EXPENSE			\$80.59
	201802	N-007059-00173477	EXEMPT STK STORES EXPENSE			(\$377.43)
	201803	N-007059-00173477	EXEMPT STK STORES EXPENSE			\$21.57
	201804	N-007059-00173477	EXEMPT STK STORES EXPENSE			\$2.88
55-857 Total						\$853.22
60-809						
	201801	N-007059-00173477	WORKERS COMP INS			\$8.14
	201806	N-007059-00173477	WORKERS COMP INS			\$0.00
60-809 Total						\$8.14
60-815						
	201801	N-007059-00173477	MEDICAL COSTS CAP.			\$81.58
	201806	N-007059-00173477	MEDICAL COSTS CAP.			\$0.00
60-815 Total						\$81.58
60-816						
	201801	N-007059-00173477	401K COSTS CAP.			\$14.75
	201806	N-007059-00173477	401K COSTS CAP.			\$0.00
60-816 Total						\$14.75
60-817						
	201801	N-007059-00173477	PBOP COSTS CAP.			\$27.38
	201806	N-007059-00173477	PBOP COSTS CAP.			\$0.00
60-817 Total						\$27.38
70-811						
	201709	N-007059-00173477	CONST E&O OVERHEADS			\$39.67
	201710	N-007059-00173477	CONST E&O OVERHEADS			\$132,415.62
	201711	N-007059-00173477	CONST E&O OVERHEADS			\$53,849.25
	201712	N-007059-00173477	CONST E&O OVERHEADS			\$5,069.63
	201801	N-007059-00173477	CONST E&O OVERHEADS			\$1,501.55
	201802	N-007059-00173477	CONST E&O OVERHEADS			(\$4,468.26)
	201803	N-007059-00173477	CONST E&O OVERHEADS			\$276.90
	201804	N-007059-00173477	CONST E&O OVERHEADS			\$13.38
	201806	N-007059-00173477	CONST E&O OVERHEADS			\$0.00
70-811 Total						\$188,697.74
70-813						
	201709	N-007059-00173477	CONST OHDS CAP			\$4.43
	201710	N-007059-00173477	CONST OHDS CAP			\$14,773.80
	201711	N-007059-00173477	CONST OHDS CAP			\$6,854.24
	201801	N-007059-00173477	CONST OHDS CAP			\$213.02
	201802	N-007059-00173477	CONST OHDS CAP			(\$633.88)
	201803	N-007059-00173477	CONST OHDS CAP			\$39.28
	201804	N-007059-00173477	CONST OHDS CAP			\$1.90

NU Cost Record
Unitil

Type	Date	Pp Work Order	Je Description	Vend Code	Inv No	Amount
70-813						
	201806	N-007059-00173477	CONST OHDS CAP			\$0.00
70-813 Total						\$21,252.79
80-814						
	201801	N-007059-00173477	SMALL TOOLS			\$12.86
	201806	N-007059-00173477	SMALL TOOLS			\$0.00
80-814 Total						\$12.86
90-822						
	201709	N-007059-00173477	INTEREST CAPITALIZED			\$0.12
	201710	N-007059-00173477	INTEREST CAPITALIZED			\$393.33
	201711	N-007059-00173477	INTEREST CAPITALIZED			\$968.80
	201712	N-007059-00173477	INTEREST CAPITALIZED			\$1,303.16
	201801	N-007059-00173477	INTEREST CAPITALIZED			(\$651.58)
90-822 Total						\$2,013.83
90-866						
	201801	N-007059-00173477	PAYROLL TAXES CAP.			\$26.00
	201806	N-007059-00173477	PAYROLL TAXES CAP.			\$0.00
90-866 Total						\$26.00
90-867						
	201801	N-007059-00173477	PENSION COST CAP.			\$22.80
	201806	N-007059-00173477	PENSION COST CAP.			\$0.00
90-867 Total						\$22.80
K7-804						
	201711	N-007059-00173477	ISSUE REVERSAL			(\$556.27)
	201712	N-007059-00173477	ISSUE REVERSAL			(\$1,458.15)
	201802	N-007059-00173477	ISSUE REVERSAL			(\$8,395.78)
	201803	N-007059-00173477	ISSUE REVERSAL			(\$114.30)
K7-804 Total						(\$10,524.50)
						\$848,583.45