

**Docket No. DW 16-806
Pennichuck Water Works, Inc.
Request for Change in Rates**

TAB 16

Summary of Full Rate Case Documents under Puc 1604.01(a)

Summary of Full Rate Case Documents

Docket No. DW 16-806
Pennichuck Water Works, Inc.
Request for Change in Rates
Page 1 of 1

Authority	Item	Disposition
Puc 1604(a)(1)	Internal Financial Reports	Waiver Motion - Tab 4
Puc 1604(a)(2)	Annual Reports to Stockholders	None
Puc 1604(a)(3)	Federal Income Tax Reconciliation	Tab 17
Puc 1604(a)(4)	Detailed Tax Factor Computation	Tab 18
Puc 1604(a)(5)	Charitable Contributions	None
Puc 1604(a)(6)	Advertising Charges	None
Puc 1604(a)(7)	Recent Cost of Service Study	None
Puc 1604(a)(8)	Construction Budget	Tab 19
Puc 1604(a)(9)	Chart of Accounts, if different	None
Puc 1604(a)(10)	SEC Filings	None
Puc 1604(a)(11)	Membership Fees, Dues, Lobbying Expenses	Tab 20
Puc 1604(a)(12)	Recent Depreciation Study	None
Puc 1604(a)(13)	Management and Financial Audits	None
Puc 1604(a)(14)	Officer and Director Compensation	Tab 21
Puc 1604(a)(15)	Officer and Executive Incentive Plans	None
Puc 1604(a)(16)	Voting Stock Controlled by Officers or Directors	None
Puc 1604(a)(17)	Material Contract Payments	Tab 22
Puc 1604(a)(18)	Non-Utility Cost Allocations	Waiver Motion - Tab 4
Puc 1604(a)(19)	Balance Sheets and Income Statements	Waiver Motion - Tab 4
Puc 1604(a)(20)	Quarterly Income Statements	Waiver Motion - Tab 4
Puc 1604(a)(21)	Quarterly Sales Volumes	Tab 23
Puc 1604(a)(22)	Projected Need for External Capital	Tab 24
Puc 1604(a)(23)	Capital Budget - Sources and Uses	Tab 25
Puc 1604(a)(24)	Short-Term Debt	Included in Tab 13 at Schedule 6
Puc 1604(a)(25)	Certificate of Management Fee Information	Tab 26
Puc 1604(a)(26)	Support for Testimony	See Testimony and Schedules

TAB 17

Federal Income Tax Reconciliation

Pennichuck Water Works, Inc.
Federal Income Tax Reconciliation
For the Twelve Months Ended December 31, 2015

Provided pursuant to NHPUC Rule 1604.01(3)

Net income per books for the test year	\$ 1,782,661
Less: Non-Utility Expense Taxed Separately	\$ (36,234)
Addback provision for Federal and State income taxes	2,253,953
Pretax Book Income before permanent items and Non-Utility Expense	<u>4,072,848</u>
Permanent Items:	
50% meals & entertainment expenses	1,758
Amortization of Municipal Acquisition Regulatory Asset (MARA)	1,735,394
Disqualifying Dispositions (ISO's)	1,175
	<u>1,738,327</u>
Taxable Income	<u>5,811,175</u>
NHBPT	490,770
Federal Income Tax	1,796,219
Amortization of Investment Tax Credit	(33,036)
Total Income Taxes	<u>\$ 2,253,953</u>

Note: The following are temporary differences (Schedule M-1 items) that are recorded in Deferred Income Taxes:

Estimated Schedule M-1 Items:	
Accelerated depreciation/Amortization of CIAC	(2,001,784)
Book/Tax Difference on disposal of assets	(1,357,220)
Excess FAS 106 and FAS 87 Costs	42,618
Prior Year's Charitable Contributions	-
Vacation & bonus accruals	(8,923)
A/R Reserve	(2,163)
Deferred Debits	(322,660)
	<u>(3,650,132)</u>

TAB 18

Detailed Tax Factor Computation

Pennichuck Water Works, Inc.
Computation of Detailed Tax Factor
For the Twelve Months Ended December 31, 2015

Provided pursuant to NHPUC Rule 1604.01(4)

Taxable Income	100.00%
Less: NH Business Profits Tax	<u>8.50%</u>
Federal Taxable Income	91.50%
Federal Income Tax Rate	<u>34.00%</u>
Effective Federal Income Tax Rate	31.11%
Add: NH Business Profits Tax	<u>8.50%</u>
Effective Tax Rate	<u><u>39.61%</u></u>
Percent of Income Available if No Tax	100.00%
Effective Tax Rate	<u>39.61%</u>
Percent Used as a Divisor in Determining the Revenue Requirement	<u><u>60.39%</u></u>

TAB 19

Most Recent Construction Budget

**Pennichuck Water Works, Inc.
Capital and Construction Budget 2016**

Provided pursuant to NHPUC Rule 1604.01(8)

			(000's) Total 2016 Budget incl O/H
Department	2015 Carryover/Multi-year Projects	Project Description	
T&D - PWW	Replacement Excavator (87)	Replacement Excavator (87)	75.00
T&D - PWW	Replacement Excavator Trailer	Replacement Excavator Trailer	12.00
T&D - PWW	Service Truck Replacement (Trucks #58)	Service Truck Replacement (Trucks #58)	55.00
T&D - PWW	Boom Truck Replacement (replace with Multi-body)	Boom Truck Replacement (replace with Multi-body)	130.00
T&D - PWW	Construction sign package	Construction sign package	10.00
T&D - PWW	New Distribution facility (16 DW Hwy)		7,600.00
Subtotal 2015 Carryover/Multi-year T&D Projects -			7,882.00

New 2016 Projects		Project Description	(000's) Total 2016 Budget incl O/H
T&D - PWW	10 New Services	10 New Services	44.00
T&D - PWW	25 Renewed Services	25 Renewed Services	77.00
T&D - PWW	10 Hydrants	10 Hydrants	36.00
T&D - PWW	10 Valve Replacements	10 Valve Replacements	52.00
T&D - PWW	270 New Meters (growth) 5/8"-2" (CORE & CWS)	270 New Meters (growth) 5/8"-2" (CORE & CWS)	55.20
T&D - PWW	1,720 New Meters for Lead Meter exchanges (PWW-CORE) 5/8"-6'	1,720 New Meters for Lead Meter exchanges (PWW-CORE) 5/8"-6'	420.00
T&D - PWW	168 New Meters for Lead Meter exchanges (PWW-CWS) 5/8"-6'	168 New Meters for Lead Meter exchanges (PWW-CWS) 5/8"-6'	33.72
T&D - PWW	Metal Detectors (6)	Metal Detectors (6)	5.00
T&D - PWW	Ferromagnetic Pipe locators (3)	Ferromagnetic Pipe locators (3)	10.50
T&D - PWW	Loader Purchase (replace backhoe/loader #15)	Loader Purchase (replace backhoe/loader #15)	140.00
T&D - PWW	Heavy Dump Truck Replacement (#12)	Heavy Dump Truck Replacement (#12)	130.00
T&D - PWW	Service Truck replacement (truck #85)	Service Truck replacement (truck #85)	55.00
T&D - PWW	Meter service van replacement (van #24)	Meter service van replacement (van #24)	35.00
T&D - PWW	Meter Foreman SUV (replace truck #28)	Meter Foreman SUV (replace truck #28)	35.00
T&D - PWW	Forklift Replacement (Propane)	Forklift Replacement (Propane)	50.00
T&D - PWW	Electric Inventory Stacker	Electric Inventory Stacker	25.00
T&D - PWW	Replacement CE Units (4)	Replacement CE Units (4)	32.00
T&D - PWW	Pipe Saws (5)	Pipe Saws (5)	6.00
T&D - PWW	Metal Detectors (6)	Metal Detectors (6)	6.00
T&D - PWW	Trench compaction equipment	Trench compaction equipment	0.00
T&D - PWW	GPS Equipment	GPS Equipment	15.00
Subtotal New 2016 T&D Projects -			1,262.42
Total 2016 T&D Capital Projects Budget -			9,144.42

**Pennichuck Water Works, Inc.
Capital and Construction Budget 2016**

Provided pursuant to NHPUC Rule 1604.01(8)

				(000's)
				Total 2016
2015 Carryover/Multi-year Projects		Project Description	Budget incl O/H	
Engineering	Chestnut	Lake St to Lovell St	8.00	
Engineering	Chestnut	Lovell St to End	8.00	
Engineering	Lovell	Chestnut St to Ash St	18.00	
Engineering	Lovell	Ash St to Pine St	18.00	
Engineering	Ash	Lovell St to End	18.00	
Engineering	Lovell	Chestnut St easterly	10.00	
Engineering	Rochette	Chestnut St easterly	10.00	
Engineering	Marquis	Lovell St Southerly	10.00	
Engineering	Merrimack River Intake Evaluation	Study to determine the best location for a deep intake into the Merrimack	87.00	
Engineering	Pennichuck Bog		38.00	
Engineering	Maple Haven upgrades	Require station upgrades to allow for intercoonection with Richardson	160.00	
Engineering	Watershed Video	\$20K funded by EPA 310 grant via the NHDES	20.00	
Engineering	Hydraulic Model	Model of Core distribution system and its hydraulic attributes.	150.00	
Engineering	Raw Water Main	Relief Structure and Connection to 48 at D&M	350.00	
Subtotal 2015 Carryover/Multi-year Engineering Projects -			905.00	

				(000's)
				Total 2016
New 2016 Projects		Project Description	Budget incl O/H	
Engineering	GILMAN - Pine to Woodward	Replace 6" and 8" CIP w/8" DIP - 1460 lf - 2017 Ritter St westerly	453.00	
Engineering	BRIDLEPATH - Lake to end of pavement	Replace 6" CIP and 1 1/4" steel with 6" DIP and 4" PVC - 200'/130' - 2016	89.00	
Engineering	COTE AVENUE - Swan to Lake	Replace existing 8" CIP with 4" PVC - 750 lf - 2017	195.00	
Engineering	CHESTNUT STREET - Kinsley to West Otterson	Replace 6" and 4" CIP with 12" DIP - 585 lf - 2017	199.00	
Engineering	HOYTS LN - Scripture to Shedd's	Replace 66 ft of 6" CIP with 220 ft of 4" PVC - 2017	57.00	
Engineering	SCRIPTURE ST - Temple to Worcester	Replace 6" and 8" CIP with 8" DIP - 460 lf - 2017	143.00	
Engineering	WORCESTER ST - Scripture to Shedd's	Replace 6" CIP with 8" DIP- 460 lf - 2017	143.00	
Engineering	BENSON ST - Burke to Spaulding	replace 4" CIP with 6" DIP - 570 feet	157.00	
Engineering	CHAPMAND ST - Lund to end of pavement	Replace existing 1 1/4" CL with 4" PVC - 130 lf - 2017	34.00	
Engineering	HUGHEY ST - Hutchinson to Warsaw	Replace 6" CIP with 8" DIP- 755 lf - 2017	234.00	
Engineering	MCKEAN ST - Arlington to #31	Replace 6" CIP with 6" DIP - 970 lf	127.00	
Engineering	BRUCE ST - Amherst to Prescott	Replace existing 6" CIP with 6" DIPCL - 260 lf - 2016	72.00	
Engineering	AMHERST ST - Charron to Hardy	Replace 6" CIP with 12" DIPCL - 3,150 lf - 2016	1,097.00	
Engineering	TARRANCE - Locus to end of pavement	Replace 2" and 4" pipe with 4" PVC - 280 lf total - 2016	73.00	
Engineering	BERKSHIRE ST - Amherst to Pine Hill	Replace 6" CIP with 6" DIP - 575 lf	158.00	
Engineering	TOLLES ST - Canal to Whitney	Replace 6" CIP with 470 feet 8" DIPCL Main - design complete	146.00	
Engineering	TEMPLE ST - Armory to Commercial	Replace and relocate existing 8" CIP with 8" DIP. Temp Main Rq'd. - 300 lf - 2	93.00	
Engineering	Fossa	Intersection with Main St	125.00	
Engineering	Buchanan	Intersection with Main St	143.00	

**Pennichuck Water Works, Inc.
Capital and Construction Budget 2016**

Provided pursuant to NHPUC Rule 1604.01(8)

Engineering	Lincoln	Intersection with Main St	198.00
Engineering	Russell	Intersection with Main St	232.00
Engineering	Taylor	Intersection with Main St	405.00
Engineering	Faxon	Intersection with Main St	128.00
Engineering	Allds	Intersection with Main St	105.00
Engineering	Field	Intersection with Main St	65.00
Engineering	Revere	Intersection with Main St	65.00
Engineering	Pratt	Intersection with Main St	90.00
Engineering	Fowell	Intersection with Main St	65.00
Engineering	Stevens	Intersection with Main St	58.00
Engineering	Merrimack River Design & Permitting	Design and Permitting of best location of deep Merrimack intake determined by 2015 Study	100.00
Engineering	GPS Equipment	Used for Asset location as part of Geographical Information System	25.00
Engineering	Core Survey		50.00
Engineering	Cross Connection Surveys		70.00
Engineering	Engineering Vehicles	Distr. Eng and Const Serv MGR	60.00
Engineering	Watershed - Sediment & Tributary Erosion Study	Watershed - Sediment & Tributary Erosion Study	42.00
Subtotal New 2016 Engineering Projects -			5,496.00
Total 2016 Engineering Capital Projects Budget -			6,401.00

		(000's) Total 2016 Budget incl O/H	
2015 Carryover/Multi-year Projects		Project Description	
Water Supply	Harris Dam Spillway Reconstruction	Harris Dam Spillway Reconstruction	1,997.30
Water Supply	Dean and Main Renovations	Dean and Main Renovations	360.00
Water Supply	Purchase of 55 acres of Westwood property		30.00
Subtotal 2015 Carryover/Multi-year Water Supply Projects -			2,387.30

		(000's) Total 2016 Budget incl O/H	
New 2016 Projects		Project Description	
Water Supply	Convert WTP lighting to LED	Convert WTP lighting to LED	120.00
Water Supply	Booster/Well Pump Replacements	Booster/Well Pump Replacements	60.00
Water Supply	Install/Replace Treatment Systems	Install/Replace Treatment Systems	45.00
Water Supply	Install Tank Mixer, Bon Terrain	Install Tank Mixer, Bon Terrain	40.00
Water Supply	Misc. Structural Improvements	Misc. Structural Improvements	25.00
Water Supply	laboratory Equipment	laboratory Equipment	10.00
Water Supply	Misc. Equipment	Misc. Equipment	15.00
Water Supply	Misc. SCADA/Electrical	Misc. SCADA/Electrical	15.00
Water Supply	Replace Rotork Actuators (2)	Replace Rotork Actuators (2)	12.00

**Pennichuck Water Works, Inc.
Capital and Construction Budget 2016**

Provided pursuant to NHPUC Rule 1604.01(8)

Water Supply	Replace Vehicle #44	Replace Vehicle #44	50.00
Water Supply	Replace Vehicle # 67	Replace Vehicle # 67	25.00
Water Supply	Replace Vehicle #99	Replace Vehicle #99	35.00
Water Supply	Replace Vehicle #35	Replace Vehicle #35	25.00
Water Supply	Replace On-line Instrumentation WTP	Replace On-line Instrumentation WTP	20.00
Water Supply	Well Rehabilitation	Well Rehabilitation	25.00
Water Supply	Replace SCADA Computers	Replace SCADA Computers	25.00
Water Supply	Rebuild High Lift/Intermediate Pump	Rebuild High Lift/Intermediate Pump	30.00
Water Supply	WTP Structural/HVAC	WTP Structural/HVAC	15.00
Water Supply	New/Relocated Generator Hi and Lo	New/Relocated Generator Hi and Lo	25.00
Water Supply	Misc. Fencing/Security Projects	Misc. Fencing/Security Projects	10.00
Subtotal New 2016 Water Supply Projects -			627.00
Total 2016 Water Supply Capital Projects Budget -			3,014.30

2015 Carryover/Multi-year Projects		Project Description	(000's) Total 2016 Budget incl O/H
IT	Asset Management 2015	Asset Management 2015	165.00
IT	LIMS on Handheld	LIMS data collection in the field	38.00
IT	Memory upgrade for 4th server	Memory upgrade for 4th server	8.00
IT	Munis - Enhancements - Dashboard	Munis - Enhancements - Dashboard	8.00
IT	Munis - Enhancements - Middle Tier Import	Munis - Enhancements - Middle Tier Import	100.00
IT	WTP Backup Server Replacement	Replace Server called Whale which has hardware issues	12.00
Subtotal 2015 Carryover/Multi-year IT Projects -			331.00

New 2016 Projects		Project Description	(000's) Total 2016 Budget incl O/H
IT	VM Server	4th Virtual Server	31.00
IT	Computer Room A/C	Computer Room A/C	15.00
IT	Click Mobile Upgrade	Click Mobile Upgrade	10.00
IT	Click Upgrade	Click Upgrade	18.00
IT	Asset Management 2016	Asset Management 2016	490.00
IT	3 laptops for OPS	3 laptops for OPS	3.90
IT	Exchange upgrade	Exchange upgrade	28.00
IT	Firewall	Replace Firewall	8.00

**Pennichuck Water Works, Inc.
Capital and Construction Budget 2016**

Provided pursuant to NHPUC Rule 1604.01(8)

IT	LTO6 Tape Drive	Larger capacity Tape Drives	9.00
IT	21 PC for Customer Service	Need better PC for Munis recommended spec	42.00
IT	2 Customer Service Laptops for Emergency Work	2 Customer Service Laptops for Emergency Work	2.60
IT	SmartBoard on wheels	allow for white board work to be electronically captured	3.00
IT	Munis Enhancements	Munis Enhancements	18.00
IT	Website update	Website update	20.00
IT	BNA Replacement	BNA Replacement	50.00
IT	Misc Software	Misc Software	24.00
IT	Misc Hardware	Misc Hardware	12.00
IT	ATA replacement	ATA replacement for analog line connections	3.00
IT	Rehab of existing Opex system		3.00
IT	Two laptops	Two laptops for general use	3.00
IT	Projection Screen with USB for Trade Shows	Trade Show presentations	1.00
IT	PDF Converter Software	Software Replacement/upgrade	8.00
IT	Scanner for ES AP Implementation	Purchase compatible Scanner for ES AP project	1.50
Subtotal New 2016 IT Projects -			804.00
Total 2016 IT Capital Projects Budget -			1,135.00
2015 Carryover/Multi-year Projects - Total PWW -			11,505.30
New 2016 Projects - Total PWW -			8,189.42
Total Capital Budget - PWW -			19,694.72

Projects Highlighted in yellow are PWW construction projects. Non highlighted projects are PWW purchases of property, plant and equipment.

TAB 20

Membership Fees, Dues and Lobbying Expenses

Pennichuck Water Works, Inc.
Memberships
Charged to Account 930101-001
For the Year Ended December 31, 2015

Provided pursuant to NHPUC Rule 1604.01(11)

Date	Vendor: Name	Description	Amount
4/30/2015	American Backflow Prevention Association	Membership Fee	\$77.00
6/30/2015	American Express	Membership Fee	\$1,999.00
8/31/2015	American Express	Membership Renewal	\$55.00
8/31/2015	American Express	Membership Renewal	\$55.00
8/31/2015	American Express	Membership Renewal	\$55.00
8/31/2015	American Express	Membership Renewal	\$55.00
9/9/2015	American Express	Membership Renewal	\$55.00
9/9/2015	American Express	Membership Renewal	\$55.00
10/13/2015	American Express	Membership Fee	\$525.00
12/11/2015	American Express	Membership Fee	\$99.00
2/28/2015	American Payroll Association	APA Renewal ID# 169487	\$219.00
2015	American Water Works Association	Membership Fee	\$6,548.19
2015	Greater Nashua Chamber	Membership Fee	\$820.00
6/11/2015	Greater Nashua Chamber of Commerce	Member Registrations	\$130.00
6/30/2015	Greater Nashua Human Resource Association	Renewal of GNHRA membership for 2015-2016	\$65.00
6/16/2015	Howe, Carol Ann	AICPA Membership	\$161.00
2015	Mahra	Membership Fee	\$15.00
5/22/2015	National Society of Professional Engineers	Professional organization membership	\$196.00
11/30/2015	New Hampshire Water Works Association	Utility/Legislative Membership	\$2,795.50
12/21/2015	New Hampshire Water Works Association	Utility Membership	\$25.00
12/31/2015	NH Water Works Association	Membership Fee	\$25.00
7/17/2015	Patenaude, John	Fee	\$17.99
2/20/2015	Society For Human Resources Management	Annual Membership Fee	\$190.00
4/15/2015	Society For Human Resources Management	Annual Membership Fee	\$190.00
2015	The Survey Group	Membership Fee	\$2,750.00
1/31/2015	Water Research Foundation	Membership Fee	\$9,843.96
			<u><u>\$27,021.64</u></u>

TAB 21

Officer and Director Compensation

**Pennichuck Corporation
Officer and Director Compensation
For the years ended 12/31/14 and 12/31/15**

Provided pursuant to NHPUC Rule 1604.01(14)

	<u>Title</u>	<u>For the Year Ended December 31, 2014</u>	<u>For the Year Ended December 31, 2015</u>
		<u>Total</u>	<u>Total</u>
		<u>Compensation ¹</u>	<u>Compensation ¹</u>
<u>Officer Compensation</u>			
John L. Patenaude (2)	Former CEO	\$ 207,268.52	\$ 187,751.68
Larry D. Goodhue (3)	Current CEO	\$ 156,241.74	\$ 167,817.23
Donald Ware	Current COO	\$ 201,396.47	\$ 201,675.15

Notes:

(1) includes salary, 401K match, taxable fringes and other compensation.

(2) no longer with company; retired as of 11-6-2015.

(3) Appointed as CEO effective 11-6-15. Previously served as CFO, Treasurer and Controller. Retained roles of Treasurer and CFO after 11-6-15.

(4) Appointed as Officer effective 11-6-15. Total Compensation includes the Pay Periods 11-6 through 12-31-16 (7 pay periods)

		<u>For the Year Ended December 31, 2014</u>	<u>For the Year Ended December 31, 2015</u>
		<u>Director Fees</u>	<u>Director Fees</u>
<u>Director Compensation</u>			
David Bernier	Current Director	\$ 12,000.00	\$ 12,000.00
Elizabeth Dunn	Current Director	\$ 12,000.00	\$ 12,000.00
Stephen Genest	Current Director	\$ 12,000.00	\$ 12,000.00
Paul Indeglia	Current Director	\$ 12,000.00	\$ 12,000.00
Thomas J Leonard III	Current Director	\$ 12,000.00	\$ 12,000.00
Jay Lustig	Current Director	\$ 12,000.00	\$ 12,000.00
John McGrath	Current Director	\$ 12,000.00	\$ 12,000.00
Preston Stanley, Jr.	Current Director	\$ 12,000.00	\$ 12,000.00
C. George Bower	Current Director	\$ 1,000.00	\$ 12,000.00
James P. Dore	Current Director	\$ 8,000.00	\$ 12,000.00

Redactions per Motion for Protective Order at Tab 5

Pennichuck Corporation
Officer and Director Compensation
For the years ended 12/31/14 and 12/31/15

Provided pursuant to NHPUC Rule 1604.01(14)

Officer Compensation

	2014								2015							
	Regular Wages	Health Insurance Opt-out	Car Allowance/ Company Car Taxable Fringe	GTL/Life Insurance	Total Compensation per Paylocity	Add: 401K Er match	Net 2014 Compensation		Regular Wages	Health Insurance Opt-out	Car Allowance/ Company Car Taxable Fringe	GTL/Life Insurance	Annual Increase Lump Sum	Total Compensation per Paylocity	Add: 401K Er match	Net 2015 Compensation
John L. Pate naude	\$ 201,154.01	\$ -	\$ -	\$ 80.01	\$ 201,234.02	\$ 6,034.50	\$ 207,268.52		\$ 180,898.54	\$ -	\$ -	\$ 66.68	\$ 1,359.61	\$ 182,924.83	\$ 5,426.85	\$ 187,751.68
Larry D. Goodhue	\$ 151,515.57	\$ -	\$ -	\$ 180.60	\$ 151,696.17	\$ 4,545.57	\$ 156,241.74		\$ 162,089.36	\$ -	\$ 664.63	\$ 180.60	\$ -	\$ 162,934.59	\$ 4,882.64	\$ 167,817.23
Donald Ware	\$ 189,699.63	\$ -	\$ 4,650.41	\$ 1,355.40	\$ 195,705.44	\$ 5,691.03	\$ 201,396.47		\$ 187,563.48	\$ -	\$ 4,629.35	\$ 1,355.40	\$ 2,500.00	\$ 196,048.23	\$ 5,626.92	\$ 201,675.15

Director Compensation

	Director Fees 2014
David Bernier	\$ 12,000.00
Elizabeth Dunn	\$ 12,000.00
Stephen Genest	\$ 12,000.00
Paul Indeglia	\$ 12,000.00
Thomas J. Leonard III	\$ 12,000.00
Jay Lustig	\$ 12,000.00
John McGrath	\$ 12,000.00
Preston Stanley, Jr.	\$ 12,000.00
C. George Bower	\$ 1,000.00
James P. Dore	\$ 8,000.00

Director Fees 2015
\$ 12,000.00
\$ 12,000.00
\$ 12,000.00
\$ 12,000.00
\$ 12,000.00
\$ 12,000.00
\$ 12,000.00
\$ 12,000.00
\$ 12,000.00
\$ 12,000.00

Redactions per Motion for Protective Order at Tab 5

Pennichuck Corporation
Officer and Director Compensation
For the years ended 12/31/14 and 12/31/15

Provided pursuant to NHPUC Rule 1604.01(14)

Prorate Calculation for Carol Ann and George - Appointed Officers effective date of 11-6

	<u>Regular Wages</u>	<u>Health Insurance Opt-out</u>	<u>GTL/Life Insurance</u>	<u>Total Compensation per Paylocity</u>	<u>Add: 401K Er match</u>	<u>Net 2015 Compensation</u>
George						
Carol Ann						

Redactions per Motion for Protective Order at Tab 5

**Docket No. DW 16-806
Pennichuck Water Works, Inc.
Request for Change in Rates**

TAB 22

Payments for Contractual Services in Excess of \$50,000

**Pennichuck Water Works, Inc.
Contractual Services over \$50,000
For the Twelve Months Ended December 31, 2015**

Provided pursuant to NHPUC Rule 1604.01(17)

Name	Address	Amount	Purpose
Coyne Chemicals Inc.	PO BOX 536258	PITTSBURGH PA 50,628	Laboratory Services - Water Analysis/Chemical Supplier
HD Supply Waterworks, LTD	PO BOX 28330	ST LOUIS MO 51,039	Laboratory Services - Water Analysis/Chemical Supplier
Oracle America, Inc.	PO BOX 203448	DALLAS TX 53,863	Work Order Maintenance/Accounting
Summit Financial Corporation	SUITE 220	BURLINGTON MA 61,833	Legal Services
Verizon Wireless	PO BOX 15062	ALBANY NY 63,543	Phone Supplier
Paymentus Corporation	SUITE 17	RICHMOND HILL ON 68,007	Revenue and Customer Operations
JCI Jones Chemicals, Inc.	PO BOX 636877	CINCINNATI OH 70,339	Laboratory Services - Water Analysis/Chemical Supplier
Davine, Millimet & Branch Corp	PO BOX 719	MANCHESTER NH 71,673	Legal Services
Pension Benefit Guaranty Corp	P.O. BOX 77000	DETROIT MI 71,725	Pension Plan Provider
Comprehensive Environmental Inc	21 DEPOT STREET	MERRIMACK NH 72,663	Engineering, Environmental Consulting, Construction Management, Inspection
Cerus Corporation	1511 COLLECTIONS CENTER DRIVE	CHICAGO IL 72,950	Chemical Supplier
R E Prescott Company, Inc.	10 RAILROAD AVE PO BOX 339	EXETER NH 75,575	Laboratory Services - Water Analysis/Chemical Supplier
Wragg Brothers of Vermont Inc	PO BOX 10	ASCONETNEY VT 75,790	Construction Services/Engineering
Meridian Land Services, Inc.	PO BOX 118	MILFORD NH 80,981	Construction Services/Engineering
Chadwick-BaRoss, Inc.	160 WARREN AVENUE	WESTBROOK ME 81,209	Construction Services
B&S Locksmiths, Inc.	UNIT C	NASHUA NH 85,334	Security Provider
Reliance Standard Life Insurance Company	P O BOX 3124	SOUTHEASTERN PA 88,981	Disability Insurance Benefit Supplier
Methuen Construction, Inc.	40 LOWELL ROAD	SALEM NH 90,709	Construction Services/Engineering
Substructure, Inc.	PO BOX 4094	PORTSMOUTH NH 92,400	Construction Services/Engineering
Liberty International Trucks, LLC	1400 SO WILLOW STREET	MANCHESTER NH 93,647	Vehicle Service
Macmullin Chevrolet	P.O. BOX 568X	NASHUA NH 94,232	Services on company's vehicles
Creditron Corporation	SUITE 201	ROCKVILLE MD 95,260	Revenue and Customer Operations
Rath, Young & Pignatelli PC	P O BOX 1500	CONCORD NH 97,820	Legal Services
Tyler Technologies, Inc.	PO BOX 203556	DALLAS TX 101,777	Billing Systems Provider
Everett J Prescott, Inc	P.O. BOX 350002	BOSTON MA 102,493	Laboratory Services - Water Analysis/Chemical Supplier
Ewing Electrical Co Inc	3 NORTH ROAD	DEERFIELD NH 112,322	Electrical Contractor/Engineering
Haymer/Swanson, Inc.	3 CONGRESS ST	NASHUA NH 112,492	Construction Services/Engineering
D L King & Associates, Inc	27 TANGLEWOOD DRIVE	NASHUA NH 121,323	Construction Services/Engineering
Granite State Analytical Inc.	22 MANCHESTER RT 28	DERRY NH 122,212	Laboratory Services - Water Analysis
Northeast Earth Mechanics, Inc.	159 BARNSTEAD ROAD	PITTSFIELD NH 132,120	Construction Services/Engineering
Eplus Technology Inc	PO BOX 404398	ATLANTA GA 133,354	IT Services
Park Construction Corp	138 NH ROUTE 119 EAST	FITZWILLIAM NH 138,169	Construction Services/Engineering
MetLife Group Benefits	200 PARK AVENUE	NY 139,913	Dental Benefits
Merrimack Village District	2 GREENS POND RD.	MERRIMACK NH 141,925	Bulk Water Provider
Nashua Wastewater Treatment	229 MAIN STREET	NASHUA NH 143,987	Sewer Disposal
Manchester Water Works	P.O. Box 9677	MANCHESTER NH 144,318	Bulk Water Provider
BR Solutions, LLC	3005 GOLF CREST LANE	WOODSTOCK GA 149,985	IT Services
Ford Of Londonderry	PO BOX 827, RTE. 102	LONDONDERRY NH 152,862	Vehicle Service
Wex Bank, Inc.	P O BOX 6293	CAROL STREAM IL 219,276	Fuel Supplier
Robert Pike Construction Inc.	PO BOX 5507	SALISBURY MA 219,430	Construction Services
CDM Smith, Inc.	P O BOX 4021	BOSTON MA 223,621	Asset Management Consulting Services
Kemira Water Solutions, Inc	PO BOX 105046	ATLANTA GA 237,381	Laboratory Services - Water Analysis/Chemical Supplier
Curtis 1000	1725 BRECKINRIDGE PKWY STE 1000	DULUTH GA 242,186	Postage related to Billing Services
DN Tanks	PO BOX 670690	DALLAS TX 261,900	Construction Services/Engineering
HICOP Merrimack, LLC	318 BEAR HILL ROAD	WALTHAM MA 268,812	Rent
Neil H. Daniels, Inc.	PO BOX 246	ASCONETNEY VT 300,845	Construction Services/Engineering
Eversource	P.O. BOX 650047	DALLAS TX 351,190	Electrical Supplier
Borden & Remington Corp	63 WATER STREET	FALL RIVER MA 360,678	Chemical Supplier
Geonexus Technologies LLC	SUITE 350	ANN ARBOR MI 376,870	Engineering, Environmental Consulting, Construction Management, Inspection
The H L Turner Group Inc	27 LOCKE ROAD	CONCORD NH 432,656	Construction Services
Joseph P Cardillo & Son, Inc	ONE MELVIN ST	WAKEFIELD MA 541,358	Construction Services/Engineering
TI - Sales Inc.	ROUTE 27	SUDBURY MA 598,088	Inventory Provider - Meters
Eversource - Large Power	P O BOX 650033	DALLAS TX 831,445	Electrical Supplier
Calgon Carbon Corporation	PO BOX 347037	PITTSBURGH PA 979,200	Treatment Plant
R. H. White Construction Co	41 Central Street	AUBURN MA 1,053,757	Construction Services
CSSI	513 DONALD STREET	BEDFORD NH 1,242,240	Construction Services/Engineering
Harvard Pilgrim Healthcare, Inc.	PO BOX 970050	BOSTON MA 1,675,166	Health Care Benefits Provider
Kingsbury Companies, LLC	264 MAD RIVER PARK	WATTSFIELD VT 1,866,490	Construction Services/Engineering

TAB 23

Quarterly Sales Volumes

Pennichuck Water Works, Inc.
Quarterly Sales Volume Schedule
For the Period January 1, 2013 to December 31, 2014

Provided pursuant to NHPUC Rule 1604.01(21)

2013

Customer Type	March \$	March Cons.	June \$	June Cons.	September \$	September Cons.	December \$	December Cons.	Total \$	Total Cons.
Residential	\$ 3,653,702	629,252	\$ 4,194,099	793,767	\$ 5,231,507	1,110,650	\$ 4,092,907	763,474	\$ 17,172,215	3,297,143
Commercial	\$ 862,615	141,585	\$ 1,005,319	182,985	\$ 1,305,862	270,656	\$ 1,066,298	199,201	\$ 4,240,095	794,427
Industrial	\$ 444,772	140,961	\$ 466,894	154,315	\$ 521,823	179,519	\$ 461,788	148,838	\$ 1,895,276	623,633
Municipal	\$ 852,567	13,699	\$ 884,219	22,122	\$ 925,436	33,454	\$ 887,698	22,813	\$ 3,549,919	92,088
Other	\$ 41,514	5,307	\$ 104,303	34,585	\$ 208,131	84,677	\$ 66,272	16,915	\$ 420,220	141,484
	\$ 5,855,170	930,804	\$ 6,654,834	1,187,774	\$ 8,192,759	1,678,956	\$ 6,574,962	1,151,241	\$ (4,087)	Abatements
									\$ (75)	Other Adjustments
									\$ 27,273,563	Total Water Billed
									\$ 59,855	Unbilled Revenue
									\$ (2,300)	Recoupment
									\$ 27,331,118	4,948,775

2014

Customer Type	March \$	March Cons.	June \$	June Cons.	September \$	September Cons.	December \$	December Cons.	Total \$	Total Cons.
Residential	\$ 3,656,761	636,765	\$ 3,949,701	700,607	\$ 5,577,016	1,191,437	\$ 4,045,400	725,176	\$ 17,228,878	3,253,985
Commercial	\$ 871,130	142,847	\$ 955,413	167,569	\$ 1,372,762	289,577	\$ 1,051,652	194,208	\$ 4,250,956	794,201
Industrial	\$ 425,093	135,054	\$ 467,507	154,455	\$ 524,950	171,326	\$ 454,640	141,279	\$ 1,872,191	602,114
Municipal	\$ 883,659	22,094	\$ 955,345	42,993	\$ 1,044,223	68,099	\$ 892,544	22,303	\$ 3,775,771	155,489
Other	\$ 43,438	6,226	\$ 75,309	21,018	\$ 287,129	122,089	\$ 100,213	33,062	\$ 506,088	182,395
	\$ 5,880,081	942,986	\$ 6,403,275	1,086,642	\$ 8,806,080	1,842,528	\$ 6,544,448	1,116,028	\$ (5,777)	Abatements
									\$ (10)	Other Adjustments
									\$ 27,628,096	Total Water Billed
									\$ 56,039	Unbilled Revenue
									\$ -	Recoupment
									\$ 109,727	WICA
									\$ 27,793,862	4,988,184

TAB 24

Projected Need for External Capital

**Pennichuck Water Works, Inc.
Projected Need for External Capital - 2016 and 2017**

Provided pursuant to NHPUC Rule 1604.01(22)

2016

<u>Description</u>	<u>Funding Source</u>	<u>Total</u>
Amherst Street Water Main Replacement Project	State Revolving Loan Fund	1,400,000
Total		<u>1,400,000</u>

Note: All other capital purchased in 2016 was funded by 2014 and 2015 bonded amounts

2017

Refer to schedule provided for NHPUC Rule 1604.01(23) - Tab 25. Reference 2017 Capital Budget with Anticipated Funding Source.

TAB 25

Capital Budget - Sources and Uses

**Pennichuck Water Works, Inc.
Capital Expenditure Budget - 2016**

Provided pursuant to NHPUC Rule 1604.01(23)

Department	2015 Carryover/Multi-year Projects	Project Description	(000's)	Funding Source
			Total 2016 Budget incl O/H	
T&D - PWW	Replacement Excavator (87)	Replacement Excavator (87)	75.00	Bond
T&D - PWW	Replacement Excavator Trailer	Replacement Excavator Trailer	12.00	Bond
T&D - PWW	Service Truck Replacement (Trucks #58)	Service Truck Replacement (Trucks #58)	55.00	Bond
T&D - PWW	Boom Truck Replacement (replace with Multi-body)	Boom Truck Replacement (replace with Multi-body)	130.00	Bond
T&D - PWW	Construction sign package	Construction sign package	10.00	Bond
T&D - PWW	New Distribution facility (16 DW Hwy)		7,600.00	Bond
Subtotal 2015 Carryover/Multi-year T&D Projects -			7,882.00	

Department	New 2016 Projects	Project Description	(000's)	Funding Source
			Total 2016 Budget incl O/H	
T&D - PWW	10 New Services	10 New Services	44.00	Bond
T&D - PWW	25 Renewed Services	25 Renewed Services	77.00	Bond
T&D - PWW	10 Hydrants	10 Hydrants	36.00	Bond
T&D - PWW	10 Valve Replacements	10 Valve Replacements	52.00	Bond
T&D - PWW	270 New Meters (growth) 5/8"-2" (CORE & CWS)	270 New Meters (growth) 5/8"-2" (CORE & CWS)	55.20	Bond
T&D - PWW	1,720 New Meters for Lead Meter exchanges (PWW-CORE) 5/8"-6'	1,720 New Meters for Lead Meter exchanges (PWW-CORE) 5/8"-6'	420.00	Bond
T&D - PWW	168 New Meters for Lead Meter exchanges (PWW-CWS) 5/8"-6'	168 New Meters for Lead Meter exchanges (PWW-CWS) 5/8"-6'	33.72	Bond
T&D - PWW	Metal Detectors (6)	Metal Detectors (6)	5.00	Bond
T&D - PWW	Ferromagnetic Pipe locators (3)	Ferromagnetic Pipe locators (3)	10.50	Bond
T&D - PWW	Loader Purchase (replace backhoe/loader #15)	Loader Purchase (replace backhoe/loader #15)	140.00	Bond
T&D - PWW	Heavy Dump Truck Replacement (#12)	Heavy Dump Truck Replacement (#12)	130.00	Bond
T&D - PWW	Service Truck replacement (truck #85)	Service Truck replacement (truck #85)	55.00	Bond
T&D - PWW	Meter service van replacement (van #24)	Meter service van replacement (van #24)	35.00	Bond
T&D - PWW	Meter Foreman SUV (replace truck #28)	Meter Foreman SUV (replace truck #28)	35.00	Bond
T&D - PWW	Forklift Replacement (Propane)	Forklift Replacement (Propane)	50.00	Bond
T&D - PWW	Electric Inventory Stacker	Electric Inventory Stacker	25.00	Bond
T&D - PWW	Replacement CE Units (4)	Replacement CE Units (4)	32.00	Bond
T&D - PWW	Pipe Saws (5)	Pipe Saws (5)	6.00	Bond
T&D - PWW	Metal Detectors (6)	Metal Detectors (6)	6.00	Bond
T&D - PWW	Trench compaction equipment	Trench compaction equipment	0.00	Bond
T&D - PWW	GPS Equipment	GPS Equipment	15.00	Bond
Subtotal New 2016 T&D Projects -			1,262.42	
Total 2016 T&D Capital Projects Budget -			9,144.42	

Department	2015 Carryover/Multi-year Projects	Project Description	(000's)	Funding Source
			Total 2016 Budget incl O/H	
Engineering	Chestnut	Lake St to Lovell St	8.00	Bond
Engineering	Chestnut	Lovell St to End	8.00	Bond
Engineering	Lovell	Chestnut St to Ash St	18.00	Bond
Engineering	Lovell	Ash St to Pine St	18.00	Bond

**Pennichuck Water Works, Inc.
Capital Expenditure Budget - 2016**

Provided pursuant to NHPUC Rule 1604.01(23)

Engineering	Ash	Lovell St to End	18.00	Bond
Engineering	Lovell	Chestnut St easterly	10.00	Bond
Engineering	Rochette	Chestnut St easterly	10.00	Bond
Engineering	Marquis	Lovell St Southerly	10.00	Bond
Engineering	Merrimack River Intake Evaluation	Study to determine the best location for a deep intake into the Merrimack	87.00	Bond
Engineering	Pennichuck Bog		38.00	Bond
Engineering	Maple Haven upgrades	Require station upgrades to allow for intercoonection with Richardson	160.00	Bond
Engineering	Watershed Video	\$20K funded by EPA 310 grant via the NHDES	20.00	EPA 19 - 20K
Engineering	Hydraulic Model	Model of Core distribution system and its hydraulic attributes.	150.00	Bond
Engineering	Raw Water Main	Relief Structure and Connection to 48 at D&M	350.00	SRF
Subtotal 2015 Carryover/Multi-year Engineering Projects -			905.00	

Department		New 2016 Projects		Project Description	(000's) Total 2016 Budget incl O/H	Funding Source
Engineering		GILMAN - Pine to Woodward		Replace 6" and 8" CIP w/8" DIP - 1460 lf - 2017 Ritter St westerly	453.00	Bond
Engineering		BRIDLEPATH - Lake to end of pavement		Replace 6" CIP and 1 1/4" steel with 6" DIP and 4" PVC - 200'/130' - 2016	89.00	Bond
Engineering		COTE AVENUE - Swan to Lake		Replace existing 8" CIP with 4" PVC - 750 lf - 2017	195.00	Bond
Engineering		CHESTNUT STREET - Kinsley to West Otterson		Replace 6" and 4" CIP with 12" DIP - 585 lf - 2017	199.00	Bond
Engineering		HOYTS LN - Scripture to Shedd		Replace 66 ft of 6" CIP with 220 ft of 4" PVC - 2017	57.00	Bond
Engineering		SCRIPTURE ST - Temple to Worcester		Replace 6" and 8" CIP with 8" DIP - 460 lf - 2017	143.00	Bond
Engineering		WORCESTER ST - Scripture to Shedd		Replace 6" CIP with 8" DIP - 460 lf - 2017	143.00	Bond
Engineering		BENSON ST - Burke to Spaulding		replace 4" CIP with 6" DIP - 570 feet	157.00	Bond
Engineering		CHAPMAND ST - Lund to end of pavement		Replace existing 1 1/4" CL with 4" PVC - 130 lf - 2017	34.00	Bond
Engineering		HUGHEY ST - Hutchinson to Warsaw		Replace 6" CIP with 8" DIP - 755 lf - 2017	234.00	Bond
Engineering		MCKEAN ST - Arlington to #31		Replace 6" CIP with 6" DIP - 970 lf	127.00	Bond
Engineering		BRUCE ST - Amherst to Prescott		Replace existing 6" CIP with 6" DIPCL - 260 lf - 2016	72.00	SRF
Engineering		AMHERST ST - Charron to Hardy		Replace 6" CIP with 12" DIPCL - 3,150 lf - 2016	1,097.00	SRF
Engineering		TARRANCE - Locus to end of pavement		Replace 2" and 4" pipe with 4" PVC - 280 lf total - 2016	73.00	SRF
Engineering		BERKSHIRE ST - Amherst to Pine Hill		Replace 6" CIP with 6" DIP - 575 lf	158.00	SRF
Engineering		TOLLES ST - Canal to Whitney		Replace 6" CIP with 470 feet 8" DIPCL Main - design complete	146.00	Bond
Engineering		TEMPLE ST - Armory to Commercial		Replace and relocate existing 8" CIP with 8" DIP. Temp Main Rq'd. - 300 lf -	93.00	Bond
Engineering		Fossa		Intersection with Main St	125.00	Bond
Engineering		Buchanan		Intersection with Main St	143.00	Bond
Engineering		Lincoln		Intersection with Main St	198.00	Bond
Engineering		Russell		Intersection with Main St	232.00	Bond
Engineering		Taylor		Intersection with Main St	405.00	Bond
Engineering		Faxon		Intersection with Main St	128.00	Bond
Engineering		Allds		Intersection with Main St	105.00	Bond
Engineering		Field		Intersection with Main St	65.00	Bond
Engineering		Revere		Intersection with Main St	65.00	Bond
Engineering		Pratt		Intersection with Main St	90.00	Bond
Engineering		Fowell		Intersection with Main St	65.00	Bond
Engineering		Stevens		Intersection with Main St	58.00	Bond
Engineering		Merrimack River Design & Permitting		Design and Permitting of best location of deep Merrimack intake determined by 2015 Study	100.00	Bond
Engineering		GPS Equipment		Used for Asset location as part of Geographical Information System	25.00	Bond
Engineering		Core Survey			50.00	Bond
Engineering		Cross Connection Surveys			70.00	Bond

**Pennichuck Water Works, Inc.
Capital Expenditure Budget - 2016**

Provided pursuant to NHPUC Rule 1604.01(23)

Engineering	Engineering Vehicles	Distr. Eng and Const Serv MGR	60.00	Bond \$19.5 NHDES
Engineering	Watershed - Sediment & Tributary Erosion Study	Watershed - Sediment & Tributary Erosion Study	42.00	
Subtotal New 2016 Engineering Projects -			5,496.00	
Total 2016 Engineering Capital Projects Budget -			6,401.00	

Department	2015 Carryover/Multi-year Projects	Project Description	(000's) Total 2016 Budget incl O/H	Funding Source
Water Supply	Harris Dam Spillway Reconstruction	Harris Dam Spillway Reconstruction	1,997.30	Bond
Water Supply	Dean and Main Renovations	Dean and Main Renovations	360.00	Bond
Water Supply	Purchase of 55 acres of Westwood property		30.00	Bond
Subtotal 2015 Carryover/Multi-year Water Supply Projects -			2,387.30	

Department	New 2016 Projects	Project Description	(000's) Total 2016 Budget incl O/H	Funding Source
Water Supply	Convert WTP lighting to LED	Convert WTP lighting to LED	120.00	Bond
Water Supply	Booster/Well Pump Replacements	Booster/Well Pump Replacements	60.00	Bond
Water Supply	Install/Replace Treatment Systems	Install/Replace Treatment Systems	45.00	Bond
Water Supply	Install Tank Mixer, Bon Terrain	Install Tank Mixer, Bon Terrain	40.00	Bond
Water Supply	Misc. Structural Improvements	Misc. Structural Improvements	25.00	Bond
Water Supply	laboratory Equipment	laboratory Equipment	10.00	Bond
Water Supply	Misc. Equipment	Misc. Equipment	15.00	Bond
Water Supply	Misc. SCADA/Electrical	Misc. SCADA/Electrical	15.00	Bond
Water Supply	Replace Rotork Actuators (2)	Replace Rotork Actuators (2)	12.00	Bond
Water Supply	Replace Vehicle #44	Replace Vehicle #44	50.00	Bond
Water Supply	Replace Vehicle # 67	Replace Vehicle # 67	25.00	Bond
Water Supply	Replace Vehicle #99	Replace Vehicle #99	35.00	Bond
Water Supply	Replace Vehicle #35	Replace Vehicle #35	25.00	Bond
Water Supply	Replace On-line Instrumentation WTP	Replace On-line Instrumentation WTP	20.00	Bond
Water Supply	Well Rehabilitation	Well Rehabilitation	25.00	Bond
Water Supply	Replace SCADA Computers	Replace SCADA Computers	25.00	Bond
Water Supply	Rebuild High Lift/Intermediate Pump	Rebuild High Lift/Intermediate Pump	30.00	Bond
Water Supply	WTP Structural/HVAC	WTP Structural/HVAC	15.00	Bond
Water Supply	New/Relocated Generator Hi and Lo	New/Relocated Generator Hi and Lo	25.00	Bond
Water Supply	Misc. Fencing/Security Projects	Misc. Fencing/Security Projects	10.00	Bond
Subtotal New 2016 Water Supply Projects -			627.00	
Total 2016 Water Supply Capital Projects Budget -			3,014.30	

Department	2015 Carryover/Multi-year Projects	Project Description	(000's) Total 2016 Budget incl O/H	Funding Source
IT	Asset Management 2015	Asset Management 2015	165.00	Bond
IT	LIMS on Handheld	LIMS data collection in the field	38.00	Bond

**Pennichuck Water Works, Inc.
Capital Expenditure Budget - 2016**

Provided pursuant to NHPUC Rule 1604.01(23)

IT	Memory upgrade for 4th server	Memory upgrade for 4th server	8.00	Bond
IT	Munis - Enhancements - Dashboard	Munis - Enhancements - Dashboard	8.00	Bond
IT	Munis - Enhancements - Middle Tier Import	Munis - Enhancements - Middle Tier Import	100.00	Bond
IT	WTP Backup Server Replacement	Replace Server called Whale which has hardware issues	12.00	Bond
Subtotal 2015 Carryover/Multi-year IT Projects -			331.00	

Department		New 2016 Projects	Project Description	(000's) Total 2016 Budget incl O/H	Funding Source
IT	VM Server	4th Virtual Server		31.00	Bond
IT	Computer Room A/C	Computer Room A/C		15.00	Bond
IT	Click Mobile Upgrade	Click Mobile Upgrade		10.00	Bond
IT	Click Upgrade	Click Upgrade		18.00	Bond
IT	Asset Management 2016	Asset Management 2016		490.00	Bond
IT	3 laptops for OPS	3 laptops for OPS		3.90	Bond
IT	Exchange upgrade	Exchange upgrade		28.00	Bond
IT	Firewall	Replace Firewall		8.00	Bond
IT	LTO6 Tape Drive	Larger capacity Tape Drives		9.00	Bond
IT	21 PC for Customer Service	Need better PC for Munis recommended spec		42.00	Bond
IT	2 Customer Service Laptops for Emergency Work	2 Customer Service Laptops for Emergency Work		2.60	Bond
IT	SmartBoard on wheels	allow for white board work to be electronically captured		3.00	Bond
IT	Munis Enhancements	Munis Enhancements		18.00	Bond
IT	Website update	Website update		20.00	Bond
IT	BNA Replacement	BNA Replacement		50.00	Bond
IT	Misc Software	Misc Software		24.00	Bond
IT	Misc Hardware	Misc Hardware		12.00	Bond
IT	ATA replacement	ATA replacement for analog line connections		3.00	Bond
IT	Rehab of existing Opex system			3.00	Bond
IT	Two laptops	Two laptops for general use		3.00	Bond
IT	Projection Screen with USB for Trade Shows	Trade Show presentations		1.00	Bond
IT	PDF Converter Software	Software Replacement/upgrade		8.00	Bond
IT	Scanner for ES AP Implementation	Purchase compatible Scanner for ES AP project		1.50	Bond
Subtotal New 2016 IT Projects -				804.00	
Total 2016 IT Capital Projects Budget -				1,135.00	

2015 Carryover/Multi-year Projects - Total PWW -	11,505.30
New 2016 Projects - Total PWW -	8,189.42
Total Capital Budget - PWW -	19,694.72

**Pennichuck Water Works, Inc.
Capital Expenditure Budget - 2017**

Provided pursuant to NHPUC Rule 1604.01(23)

Department	New 2017 Projects	Project Description	(000's)	Anticipated
			Total 2017 Budget incl O/H	Funding Source
T&D - PWW	10 New Services	10 New Services	44.00	Bond
T&D - PWW	25 Renewed Services	25 Renewed Services	78.00	Bond
T&D - PWW	10 Hydrants	10 Hydrants	47.00	Bond
T&D - PWW	10 Valve Replacements	10 Valve Replacements	54.00	Bond
T&D - PWW	270 New Meters (growth) 5/8"-2" (CORE & CWS)	270 New Meters (growth) 5/8"-2" (CORE & CWS)	55.50	Bond
T&D - PWW	1,720 New Meters for Lead Meter exchanges (PWW-CORE) 5/8"-6'	1,720 New Meters for Lead Meter exchanges (PWW-CORE) 5/8"-6'	430.68	Bond
T&D - PWW	168 New Meters for Lead Meter exchanges (PWW-CWS) 5/8"-6'	168 New Meters for Lead Meter exchanges (PWW-CWS) 5/8"-6'	34.68	Bond
T&D - PWW	Metal Detectors (6)	Metal Detectors (6)	5.00	Bond
T&D - PWW	Ferromagnetic Pipe locators (3)	Ferromagnetic Pipe locators (3)	10.50	Bond
T&D - PWW	Medium Duty Dump Truck Replacement (#86)	Medium Duty Dump Truck Replacement (#86)	125.00	Bond
T&D - PWW	Service Truck replacement (truck #47)	Service Truck replacement (truck #47)	55.00	Bond
T&D - PWW	Meter service van replacement (van #70)	Meter service van replacement (van #70)	35.00	Bond
T&D - PWW	Mechanic Truck Replacement (#74)	Mechanic Truck Replacement (#74)	35.00	Bond
T&D - PWW	Small Dump Truck Replacement (#71)	Small Dump Truck Replacement (#71)	60.00	Bond
T&D - PWW	Sander replacement	Sander replacement	8.00	Bond
T&D - PWW	Replacement CE Units (4)	Replacement CE Units (4)	32.00	Bond
T&D - PWW	Replace small generators (4)	Replace small generators (4)	6.00	Bond
T&D - PWW	Mud Pump Replacements (3)	Mud Pump Replacements (3)	6.00	Bond
T&D - PWW	Trech compaction equipment	Trech compaction equipment	8.00	Bond
T&D - PWW	Tapping Machine replacements (2)	Tapping Machine replacements (2)	3.00	Bond
T&D - PWW	Valve/Vac Truck Replace Trailer mounted unit #60	Valve/Vac Truck Replace Trailer mounted unit #60	90.00	Bond
T&D - PWW	GPS Equipment	GPS Equipment	25.00	Bond
Total 2017 T&D Capital Projects Budget -			1,247.36	

Department	2016 Carryover/Multi-year Projects	Project Description	(000's)	Anticipated
			Total 2017 Budget incl O/H	Funding Source
Engineering	Merrimack River Intake Design and Permitting	Merrimack River Intake Design and Permitting	300.00	Bond
Engineering	Paving	Various Locations - Finish paving on 2016 water main replacement projects	150.00	Bond
Subtotal 2016 Carryover/Multi-year Engineering Projects -			450.00	

Department	New 2016 Projects	Project Description	(000's)	Anticipated
			Total 2017 Budget incl O/H	Funding Source
Engineering	ORANGE ST - Concord to Locke	Replace 8" CIP with 8" DIP - 760 lf (C&L?)	236.00	Bond
Engineering	COLUMBIA AVE - Concord to Wellington	replace 6" CIP with 12" DIP - 1200 lf	408.00	Bond
Engineering	WEBSTER ST - Elliot to Bertlett	replace 8" CIP with 6" DIP - 332 lf	91.00	Bond
Engineering	TEMPLE ST - Rrcrossing at Armory to Commercial	Replace 8" CIP water with 8" DIPCL - 350 lf - 2016 (relocate for sewer)	109.00	Bond
Engineering	STEVENS ST - Main to end of pavement	Replace 4" and 6" CIP with 6" DIPCL - 980 lf - 2017	270.00	Bond
Engineering	BARKER AVE - King to Burke	Replace 6" CIP with 6" DIPCL - 550 lf - 2017	151.00	Bond
Engineering	TOLLES ST - Canal to Whitney	Replace 6" CIP with 470 feet 8" DIPCL Main - design complete	146.00	Bond
Engineering	TEMPLE ST - Armory to Commercial	Replace and relocate existing 8" CIP with 8" DIP. Temp Main Rq'd. - 300 lf - 2016	93.00	Bond
Engineering	BROOK ST - Hamilton to Ash	Replace 6" CIP with 660 ft 6" DIP - Scheduled under Lake St Area Phase 2 - 2016	182.00	Bond

**Pennichuck Water Works, Inc.
Capital Expenditure Budget - 2017**

Provided pursuant to NHPUC Rule 1604.01(23)

Engineering	BRIDGE ST - Warren to E	Replace 8" CIP water with 12" DIP - Amory St to C St - 1300 lf	442.00	Bond
Engineering	SANDERS ST - Bridge to end of main	Abandon 8" CIP water main	30.00	Bond
Engineering	D ST - Bridge to East Hollis	Replace 4" CIP with 6" DIP - 500 lf	138.00	Bond
Engineering	E ST - Bridge to East Hollis	Replace 8" CIP with 375 feet 12" DIP - Bridge St to E. Hollis St	128.00	Bond
Engineering	HOBBS AVE - East Hollis to Crown	Replace 8" CIP with 12" CIP - 485 lf	165.00	Bond
Engineering	CHASE ST - East Hollis to Crown	Replace 6" CIP with 6" DIP - 416 lf	114.00	Bond
Engineering	CROWN ST - Denton to Arlington	Replace 6" CIP with 12" DIP - 220 lf	75.00	Bond
Engineering	Chestnut Street	Kinsley to Nevada (1,100 LF)	375.00	Bond
Engineering	Fossa	Main St to End	125.00	Bond
Engineering	Faxon Ave	Faxon St to End	34.00	Bond
Engineering	Nutt	Faxon St to Lincoln St	87.00	Bond
Engineering	Buchanan	Main St to Nutt St	143.00	Bond
Engineering	Lincoln	Main St to Fifield St	198.00	Bond
Engineering	Russell	Main St to Fifield St	232.00	Bond
Engineering	Circle	Nutt St to End	27.00	Bond
Engineering	Taylor	Main St to Lynn St	405.00	Bond
Engineering	Faxon	Main St to Nutt St	128.00	Bond
Engineering	Verona	Sarasota Ave to Manatee St	335.00	Bond
Engineering	Sarasota	Pine St to Verona St	100.00	Bond
Engineering	Route 101A - North Hollis Road to just west of Truell Road	Close loop of 12" water main 1360 lf	245.00	Bond
Engineering	Manchester St - Jr. High to Tinker Road	Parallel existing 12 watermain with 16" 1780 lf	445.00	Bond
Engineering	GPS Upgrades and Software	GPS Upgrades and Software	20.00	Bond
Engineering	Inspector Vehicle	Inspector Vehicle	35.00	Bond
Engineering	Pump/Treatment Station	Replace Bedford Water Station and Storage	500.00	Bond
Subtotal New 2017 Engineering Projects -			6,212.00	
Total 2017 Engineering Capital Projects Budget -			6,662.00	

Department	New 2017 Projects	Project Description	(000's) Total 2017 Budget incl O/H	Anticipated Funding Source
Water Supply	Booster/Well/Chem Feed pump replacements	Booster/Well/Chem Feed pump replacements	60.00	Bond
Water Supply	Install/replace treatment systems in small CWS	Install/replace treatment systems in small CWS	15.00	Bond
Water Supply	Misc. Structural Improvements	Misc. Structural Improvements	20.00	Bond
Water Supply	Replace Vehicle #61	Replace Vehicle #61	40.00	Bond
Water Supply	Replace Vehicle #62	Replace Vehicle #62	40.00	Bond
Water Supply	Replace Vehicle #49	Replace Vehicle #49	40.00	Bond
Water Supply	Replace Vehicle #63	Replace Vehicle #63	40.00	Bond
Water Supply	Purchase new industrial mower - WTP grounds	Purchase new industrial mower - WTP grounds	15.00	Bond
Water Supply	Large pump/motor rebuild	Large pump/motor rebuild	30.00	Bond
Water Supply	misc. equipment purchases	misc. equipment purchases	15.00	Bond
Water Supply	PWW CWS well rehabilitations (4 locations)	PWW CWS well rehabilitations (4 locations)	25.00	Bond
Water Supply	Purchase new lab equipment	Purchase new lab equipment	10.00	Bond
Water Supply	WTP structural/HVAC	WTP structural/HVAC	15.00	Bond
Water Supply	Misc. Fencing/Security Projects	Misc. Fencing/Security Projects	10.00	Bond
Water Supply	Replace Clarifier (2) Vacuum Blowers and Actuators	Replace Clarifier (2) Vacuum Blowers and Actuators	40.00	Bond
Water Supply	Snow Station Upgrades	Increase Snow Station pump capacity from 4.5 MGD to 5.75 MGD	225.00	Bond
Water Supply	Misc. SCADA Electrical	Misc. SCADA Electrical	20.00	Bond
Water Supply	Well Rehabilitations	Well Rehabilitations	30.00	Bond

**Pennichuck Water Works, Inc.
Capital Expenditure Budget - 2017**

Provided pursuant to NHPUC Rule 1604.01(23)

Total 2017 Water Supply Capital Projects Budget - 690.00

Department		New 2016 Projects		Project Description		(000's) Total 2017 Budget Incl O/H	Anticipated Funding Source
IT		All IT Projects		All IT Projects		600.00	Bond
IT		Asset Mgmt 2017		Asset Mgmt 2017		673.00	Bond
Total 2017 Water Supply Capital Projects Budget -						1,273.00	
2016 Carryover/Multi-year Projects - Total PWW -						450.00	
New 2017 Projects - Total PWW -						8,175.00	
Total Capital Budget - PWW -						8,625.00	

**Docket No. DW 16-806
Pennichuck Water Works, Inc.
Request for Change in Rates**

TAB 26

Certificate of Details of Management Fee Information

Pennichuck Water Works
Operating Expense Allocation (to other Subsidiary Companies)
For Month Ending 12/31/15

Provided pursuant to NHPUC Rule 1804.01(25)

Dollars Applicable to:											S-Schedule Wages & Fringes Only (budgeted, specifically on
Full Year Amounts (to be allocated)	YTD EXPENSES	Tier Allocation Required	Special Allocation	Tier 1 (All)	Tier 2 (Regulated + PWSC)	Tier 3 (PWW+PEU+ PWSC)	Tier 4 (Regulated)	PWSC Only	PAC Only		
Wages											
Officers Salaries & Wages	594,916	1		594,916	-	-	-	-	-	-	
Salaries - Engineering	1,012,323	4		-	-	-	1,012,323	-	-	-	
Office Salaries and Wages - IS	357,022	1		357,022	-	-	-	-	-	-	
Office Salaries and Wages - Acctg	593,347	1		593,347	-	-	-	-	-	-	
Office Salaries and Wages - Admin	175,446	1		175,446	-	-	-	-	-	-	
Office Salaries and Wages - C/S	645,044	2		-	645,044	-	-	-	-	-	
Office Salaries and Wages - BR	125,346	0		-	-	-	-	125,346	-	-	
Less: Capitalized Overhead - IS	(27,862)	1		(27,862)	-	-	-	-	-	-	
Less: Capitalized Overhead Engineering	(325,410)	4		-	-	-	(325,410)	-	-	-	
Benefits (Based on 12/31/14 Schedule)											
Officers Salaries & Wages	269,973	1		269,973	-	-	-	-	-	-	
Salaries - Engineering	459,392	4		-	-	-	459,392	-	-	-	
Office Salaries and Wages - IS	162,017	1		162,017	-	-	-	-	-	-	
Office Salaries and Wages - Acctg	269,261	1		269,261	-	-	-	-	-	-	
Office Salaries and Wages - Admin	79,617	1		79,617	-	-	-	-	-	-	
Office Salaries and Wages - C/S	292,721	2		-	292,721	-	-	-	-	-	
Office Salaries and Wages - BR	58,882	0	0	-	-	-	-	58,882	-	-	
Less: Capitalized Overhead IS	(12,644)	1		(12,644)	-	-	-	-	-	-	
Less: Capitalized Overhead Engineering	(147,671)	4		-	-	-	(147,671)	-	-	-	
Dollars Applicable to:											
Full Year Budgeted Amounts (to be allocated) - Tier 1		Tier Allocation Required	Special Allocation	Tier 1 (All)	Tier 2 (Regulated + PWSC)	Tier 3 (PWW+PEU+ PWSC)	Tier 4 (Regulated)	PWSC Only	PAC Only	S-Schedule Wages & Fringes Only (budgeted, specifically on	
Facilities - Manchester Street											
Office Supplies & Expense	44,360	1		44,360	-	-	-	-	-	-	
Office Equipment Rental	38,246	1		38,246	-	-	-	-	-	-	
Rental Exp HECOP III	268,812	1		268,812	-	-	-	-	-	-	
Manchester St Phone	40,022	1		40,022	-	-	-	-	-	-	
Manchester St Electric	42,705	1		42,705	-	-	-	-	-	-	
Maintenance Manchester St	28,947	1		28,947	-	-	-	-	-	-	
Office Equipment maintenance	1	1		1	-	-	-	-	-	-	
Miscellaneous Charges											
Senior Management Vehicles	3,247	1		3,247	-	-	-	-	-	-	
Senior Management Fuel Purchased	6,103	1		6,103	-	-	-	-	-	-	
Senior Management Vehicle Registrations	1,193	1		1,193	-	-	-	-	-	-	
Courier & Express Mail Expense	1,644	1		1,644	-	-	-	-	-	-	
Outside Svcs (Supervision/Spec Svcs)	314,274	1		314,274	-	-	-	-	-	-	
Meetings and Conventions	23,039	1		23,039	-	-	-	-	-	-	
License Fees	13,943	1		13,943	-	-	-	-	-	-	
Meals	3,517	1		3,517	-	-	-	-	-	-	
Recruiter Fees	11,699	1		11,699	-	-	-	-	-	-	
Engineering Dept Expense	20,103	4		-	-	-	20,103	-	-	-	
Engineering Vehicles	7,749	4		-	-	-	7,749	-	-	-	
Engineering - Fuel Purchased	21,785	4		-	-	-	21,785	-	-	-	
Engineering - Vehicle Registration	3,685	4		-	-	-	3,685	-	-	-	
Maint of Communication Equip	4,620	2		-	4,620	-	-	-	-	-	
Computer Maintenance	430,749	1		430,749	-	-	-	-	-	-	
Depreciation - 2403 & Amort											
Comm Depreciation	59,517	2		-	59,517	-	-	-	-	-	
Computer Depreciation	398,127	1		398,127	-	-	-	-	-	-	
Office Furniture Depreciation	37,300	1		37,300	-	-	-	-	-	-	
Leasehold Improvements-15 year property	1,748	1		1,748	-	-	-	-	-	-	
Union Negotiations - 2013	36,799			-	-	-	-	-	-	-	
Union Negotiations - 2015	555	1		555	-	-	-	-	-	-	
Total Allocable Expenses	6,444,209			4,171,323	1,001,603	-	1,051,657	182,228	-	-	
Tier 1 - use the corporate expense allocation between TSC, PWSC and regulated utilities. The allocation among utilities will be based on total assets and customers.											
Tier 2 - allocate to PWW, PEU, PAC and PWSC based on total assets and customers											
Tier 3 - allocate to PWW, PEU and PWSC based on total assets and customers											
Tier 4 - allocate to the regulated utilities (PWW, PEU and PAC) based on total assets and customers											
(1) Retention/Bonus, Overtime, Merit increases and summer temp help are included in Officers' and Office Salaries											
(2) Outside Services include temporary help from temporary services providers											
(3) Effectively, all Admin & Gen Expense (incl Engineering) are allocated less Insurance, Regulatory Commission, Memberships, Misc General, Public Relations and Charitable Contributions and Union Benefits											

Allocation Calculation - Tier 1 (All Companies)

	PWW	PEU	Pittsfield	Total Regulated	Con Ops (PWS) ¹	Real Estate (TSC) ¹	Total	
Revenues ¹	\$ 29,677,155	\$ 7,229,165	\$ 760,533	\$ 37,666,853 92.23%	\$ 3,171,075 7.77%	\$ - 0.00%	\$ 40,837,928 100.00%	
Employees (FTE's) - 2015 (including summer help)				112 99.12%	1 0.88%	0 0.00%	113 100.00%	
Square Footage - w/ add'l lease space Manchester Street Facility ²				17,891 91.91%	1,574 8.09%	0 0.00%	19,465 100.00%	
Total Assets ³	\$ 255,206,593 82.48%	\$ 49,340,061 15.95%	\$ 4,841,561 1.56%	\$ 309,388,235 87.40%	\$ 5,892,009 1.85%	\$ 2,366,144 0.74%	\$ 317,646,388 99.99%	
Customers ³	27,986 78.00%	7,257 20.23%	638 1.78%	35,881 100.01%				
Average Percentage	80.25%	18.09%	1.67%	95.17%	4.65%	0.19%	100.01%	
Allocation of Allocable Expenses	3,185,071	718,070	68,289	3,969,430	193,967	7,926	\$ 4,171,323	Check Total
Effective Allocation %	70.36%	17.21%	1.59%		4.65%	0.19%	\$ -	\$ -

¹ - PWS - 100% of 1 employee
² - Based on December 2015 Preliminary Less Intercompany Account Balances per Charlie/Larry S/07
³ - Based on December 2015 Actuals
⁴ - Based on December 2015 Preliminary

Allocation Calculation - Tier 2 (All Regulated Companies plus PWSC)

	PWW	PEU	Pittsfield	Total Regulated	Con Ops (PWS) ¹	Real Estate (TSC)	Total	
Total Assets ²	\$ 255,206,593 82.48%	\$ 49,340,061 15.95%	\$ 4,841,561 1.56%	\$ 309,388,235 98.13%	\$ 5,892,009 1.87%	\$ - 0.00%	\$ 315,280,244 100.00%	
Customers ³	27,986 78.00%	7,257 20.23%	638 1.78%	35,881 79.15%	9,451 20.85%	0	45,332	
Average Percentage	80.25%	18.09%	1.67%	88.64%	11.36%		100.00%	
Allocation of Allocable Expenses	712,601	160,555	14,831	888,087	113,816	0	\$ 1,001,903	Check Total
Effective Allocation %	71.12%	16.03%	1.48%		11.36%	N/A	\$ -	\$ -

¹ - PWS customers based on municipality customers and pro rated based on services rendered

Allocation Calculation - Tier 3 (PWW, PEU and PWSC)

	PWW	PEU	Pittsfield	Con Ops (PWS)	Real Estate (TSC)	Total	
Total Assets ²	\$ 255,206,593 82.21%	\$ 49,340,061 15.89%		\$ 5,892,009 1.90%		\$ 310,438,683 100.00%	
Customers ³	27,986 82.62%	7,257 18.24%		9,451 21.15%		44,694 100.01%	
Average Percentage	72.42%	16.07%		11.53%		100.02%	
Allocation of Allocable Expenses	\$ -	\$ -	0	\$ -	0	\$ -	Check Total
Effective Allocation %	#DIV/0!	#DIV/0!	N/A	#DIV/0!	N/A	\$ -	\$ -

Allocation Calculation - Tier 4 (Regulated Companies)

	PWW	PEU	Pittsfield	Con Ops (PWS)	Real Estate (TSC) ¹	Total	
Total Assets ²	\$ 265,206,593	\$ 49,340,061	\$ 4,841,581			\$ 309,388,235	
	82.46%	15.95%	1.56%			100.00%	
Customers ³	27,986	7,257	638			35,881	
	78.00%	20.23%	1.78%			100.01%	
Average Percentage	80.25%	18.09%	1.67%			100.01%	
Allocation of Allocable Expenses	\$ 844,090	\$ 190,299	\$ 17,568	0	0	\$ 1,051,957	Check Total
Effective Allocation %	80.24%	18.08%	1.67%	N/A	N/A		\$ -

Specific Allocation Calculations - Tier 5-7

	PWW	PEU	Pittsfield	Con Ops (PWS)	Real Estate (TSC) ¹	Total	Check Total
Direct Allocable Costs	0	0	-	182,228	0	182,228	\$ -
	N/A	N/A			N/A		

Summary of Allocations

	PWW	PEU	Pittsfield	Con Ops (PWS)	Real Estate (TSC)	Totals	
Tier 1	3,185,071	718,070	66,289	193,967	7,926	4,171,323	
Tier 2	712,601	160,655	14,831	113,816	-	1,001,903	
Tier 3	-	-	-	-	-	-	
Tier 4	844,090	190,299	17,568	-	-	1,051,957	
PWSC only and PAC only	-	-	-	182,228	-	182,228	unallocated
Total Allocations	4,741,761	1,069,024	98,688	490,011	7,926	6,407,410	PAC/PEU Total
	74.00%	16.68%	1.54%	7.65%	0.12%	100.00%	Check Total
							(38,799)

PWSC Customers	Operations	Water Supply	Billing	Cust Svc	Customers	Customers
Hudson	0.25	0.25	-	-	6,184	3,082
Salisbury	0.25	-	0.25	0.25	3,502	2,627
Amesbury	-	-	0.25	0.25	5,646	2,923
Rowley	-	-	0.25	0.25	1,819	810
					<u>9,451</u>	

Note: Customer Counts based on Tara King email dated 2/19/13

**Pennichuck Water Works
Work Order Allocation of Operations and Production Expenses
For Month Ending 12/31/15**

<u>Full Year Amounts (to be allocated)</u>	
<u>Wages</u>	
Superintendence - WTP	294,031
Office Salaries & Wages: WTP	260,061
Purification Labor	208,286
Superintendence - Operations	239,519
Office Salaries - Operations	98,759
<u>Benefits</u>	
Superintendence - WTP	133,431
Office Salaries & Wages: WTP	118,016
Purification Labor	94,520
Superintendence - Operations	108,694
Office Salaries - Operations	44,817
<u>Facilities - Will Street</u>	
Maint: Meter Department	1,039
Will Street Parking	6,360
Will Street Office Supplies	14,464
Will Street Gas	9,319
Will Street Electric	10,156
Will Street Phone	35,095
<u>Miscellaneous Charges</u>	
Misc Gen Exp Ops	12,814
Misc T&D Materials & Supplies	11,114
Stores Expense	52,804
Small Tools Expense	12,817
OPS - Non-Union Vehicles	6,321
WTP - Non-Union Vehicles	9,751
Misc.Transport Expense	69,254
Non-Union Vehicle Fuel Costs	41,411
Misc Gen Equipment Exp	25,010
<u>Depreciation - 2304</u>	
Will Street Facility	10,034
Tools, Shop & Garage	32,146
Other Tangible Equipment-Misc Equip	22,815
Non-Union Transportation Depreciation	48,666
Total Allocable Expenses	<u>2,031,525</u>

	PWW Capital	070 WTP Maintenance	080 OPS Maintenance	Fleet	2015 Workorder Costs		PWS Jobbing	PAC Capital	PAC Maintenance	PEU Capital	PEU Maintenance	Total
					PWW Jobbing	PWS Maintenance						
Labor	99,166.28	734,472.50	1,232,332.82	54,503.96	40,903.72	488,746.95	66,841.05	6,077.26	64,026.31	43,770.89	501,843.39	3,332,685.13
Contractor Clearing	29,997.46	-	311.56	175,831.33	44,868.26	15.96	554,361.30	1,176.96	-	7,462.96	-	814,025.79
Inventory: Pipes & Fittings	50,810.28	137.91	45,271.45	-	81,195.36	217.54	20,488.46	2,450.61	1,602.32	14,491.06	19,528.65	236,193.64
Inventory: Meters	184,044.38	-	21,437.21	-	274.84	-	9,383.52	7,341.06	544.39	72,364.77	6,957.12	302,347.29
Inventory: Misc T&D	9,053.66	359.23	12,135.11	-	1,793.44	-	3,261.77	376.82	278.43	919.80	5,736.20	33,914.16
Inventory: Chemicals	-	666,536.13	-	-	-	-	26,763.33	-	1,090.53	-	25,525.07	719,916.06
Inventory: Fleet	-	-	10.89	1,200.34	-	-	-	-	-	-	-	1,211.23
Inventory: Backup Gen Fuel	-	1,139.23	-	-	-	-	-	-	-	-	-	1,139.23
Misc T&D Supplies	-	-	-	-	-	-	-	-	-	-	-	-
Truck	37,890.76	71,940.64	204,807.61	1,852.59	16,580.63	158,972.78	24,873.13	2,019.00	9,527.36	16,255.17	167,715.49	712,435.16
Backhoe	6,464.25	1,410.75	23,124.27	-	4,624.38	143.25	20,955.80	294.00	981.63	2,427.14	15,301.52	75,626.99
Compressor	-	-	6,050.89	-	-	-	-	-	-	-	1,295.50	7,346.39
Inspection Fees	-	-	-	-	97,672.00	-	1,200.00	-	-	-	-	98,872.00
Overhead	9,008.38	-	-	-	52,004.88	-	-	463.62	-	3,544.09	-	65,020.97
Labor Overhead	57,015.43	403,372.30	676,797.18	29,933.57	36,218.20	276,036.51	49,272.95	3,457.21	29,235.80	24,481.68	293,532.59	1,879,353.43
Misc General Equipment	-	-	-	-	130.00	2,580.00	460.00	-	80.00	-	1,685.00	4,935.00
Total Costs	483,450.88	1,879,368.69	2,222,278.99	263,321.79	376,165.71	926,712.99	777,861.31	23,656.54	107,366.77	186,717.26	1,039,120.53	8,285,021.47
Total Costs w/o OH & CWIP	444,445.04	1,879,368.69	2,221,967.43	87,490.46	279,292.57	926,697.03	223,500.01	22,015.96	107,366.77	174,710.21	1,039,120.53	7,405,974.71
% of Total	5.84%	22.68%	26.82%	3.16%	4.54%	11.19%	9.39%	0.29%	1.30%	2.24%	12.54%	100.00%
% of Total w/o OH & CWIP	6.00%	25.36%	30.00%	1.18%	3.77%	12.51%	3.02%	0.30%	1.46%	2.36%	14.03%	100.00%
Overhead Allocable to Work Orders	2,031,525	118,544	460,830	544,914	64,568	92,238	227,234	190,735	5,801	26,327	45,539	2,031,527
Totals by Company:												
PWW	118,544	460,830	544,914	64,568	92,238					45,539	254,797	1,281,094
PEU												300,336
PAC								5,801	26,327			32,128
PWS						227,234	190,735					417,969
Total Overhead	118,544	460,830	544,914	64,568	92,238	227,234	190,735	5,801	26,327	45,539	254,797	2,031,527
% Labor	2.98%	22.04%	36.98%	1.64%	1.23%	14.67%	2.01%	0.18%	1.92%	1.31%	15.06%	100.00%

**070, 080 & Fleet Labor Overhead has been calculated per Charlie.

1.00

Pennichuck Water Works
Return on Common Assets Allocation (to other Subsidiary Companies)
For Month Ending 12/31/15

Provided pursuant to NHPUC Rule 1604.01(25)

12

Effective Tax Rate - current

39.61%

6.94%

Dollars Applicable to:

Full Year Amounts (to be allocated)	Rate of Return	Net Book Value	Tier Allocation Required	Tier 1 (All)	Tier 2 (Regulated + PWSC)	Tier 3 (PWW+PEU+ PWSC)	Tier 4 (Regulated)	PWSC Only	PAC Only	TSC Only (budgeted specifically on TSC Pl.)
Office Furniture & Equipment	5,754	95,262.31	1	5,754	-	-	-	-	-	-
Transportation Equipment	95,579	1,562,435.06	2	-	95,579	-	-	-	-	-
Tools, Shop & Garage Equipment	20,232	334,969.31	3	-	-	20,232	-	-	-	-
Construtive Meters	93	1,539.45	2	-	93	-	-	-	-	-
Power Operated Equipment	7,406	122,610.31	2	-	7,406	-	-	-	-	-
Communication Equipment	33,543	555,353.00	4	-	-	-	33,543	-	-	-
Computer Equipment	143,468	2,375,296.64	1	143,468	-	-	-	-	-	-
Other Plant and Misc Equipment	20,078	332,411.11	4	-	-	-	20,078	-	-	-
Leasable Improvements	167	2,767.84	1	167	-	-	-	-	-	-
Will Street Office	23	373.12	3	-	-	23	-	-	-	-
Will Street Expansion	9,051	149,845.51	3	-	-	9,051	-	-	-	-
Deferred Pension Costs	402,123	6,657,662	1	402,123	-	-	-	-	-	-
Deferred Post Retirement Health	14,317	237,033	1	14,317	-	-	-	-	-	-
Deferred Post Employment Health	-	-	1	-	-	-	-	-	-	-
Deferred SERP	38,974	645,261	1	38,974	-	-	-	-	-	-
VEBA Trust - Union	27,115	448,931	1	27,115	-	-	-	-	-	-
VEBA Trust - Non-union	10,298	170,489	1	10,298	-	-	-	-	-	-
Union Negotiations - 2013	-	-	1	-	-	-	-	-	-	-
Unfunded FAS 106 & FAS 158 Costs (net of taxes at 39.61%)										
Deferred Pension Costs		6,657,662								
Deferred Post Employment Health		237,033								
Deferred Post Retirement Health		645,261								
Deferred SERP		-								
Less: Accrued Liability Pension - ST		-								
Less: Accrued Liability Pension - LT		(8,285,918)								
Less: Post Employment Health Liability - ST		-								
Less: Post Employment Health Liability - LT		-								
Less: Accrued Liability SERP		(612,938)								
VEBA Trust - Union		448,931								
VEBA Trust - Non-union		170,489								
Less: Post Retirement Liability Health - ST		-								
Less: Post Retirement Liability Health - LT		(2,660,844)								
Subtotal		(3,600,324)								
Less: Tax Impact at current effective tax rate		1,426,088								
Net Impact Unfunded FAS 106 & FAS 158 Costs	(131,324)	(2,174,236)	1	(131,324)	-	-	-	-	-	-
Total Allocable Expenses	696,697	11,536,004.18		516,662	103,078	29,306	53,621	-	-	-

*Note: Rate of Return based on YTD NBV/12 months

Tier 1 - use the corporate expense allocation between TSC, PWSC and regulated utilities. The allocation among utilities will be based on total assets and customers.

Tier 2 - allocate to PWW, PEU, PAC and PWSC based on total assets and customers.

Tier 3 - allocate to PWW, PEU and PWSC based on total assets and customers.

Tier 4 - allocate to the regulated utilities (PWW, PEU and PAC) based on total assets and customers.

Note: Laboratory Equipment not included. Currently, PWW charges a \$15 fee for all lab work which is considered to be a competitive price and \$5 higher than charged by the State of New Hampshire.

Allocation Calculation - Tier 1 (All Companies)

	PWW	PEU	Pittsfield	Total Regulated	Con Ops (PWS) 1	Real Estate (TSC) 1	Total	
Revenues*	29,677,155	7,229,165	760,533	\$ 37,666,853 92.23%	3,171,075 7.77%	- 0.00%	\$ 40,837,928 100.00%	
Employees (FTE's) - 2015 (including summer help)				112 99.12%	1 0.88%	0 0.00%	113 100.00%	
Square Footage - w/ add'l lease space Manchester Street Facility				17,891 91.91%	1,574 8.09%	0 0.00%	19,465 100.00%	
Total Assets ²	255,206,593 82.49%	48,340,081 15.95%	4,841,581 1.57%	308,388,235 97.40%	5,692,009 1.85%	2,358,577 0.74%	\$ 317,639,821 99.99%	
Customers ³	27,886 76.00%	7,257 20.23%	638 1.78%	35,881 100.00%				
Average Percentage	80.24%	18.09%	1.67%	95.17%	4.65%	0.19%	100.01%	
Allocation of Allocable Expenses	390,099	87,947	8,119	486,165	23,756	971	\$ 510,892	Check Total
Effective Allocation %	76.36%	17.21%	1.59%		4.65%	0.19%		\$ -

1 - PWS - 100% of 1 employee
2 - Based on December 2015 Preliminary Less intercompany Account Balances per Charlie/Larry 5/07
3 - Based on December 2015 Actuals

Allocation Calculation - Tier 2 (All Regulated Companies plus PWS)

	PWW	PEU	Pittsfield	Total Regulated	Con Ops (PWS) 1	Real Estate (TSC)	Total	
Total Assets ²	\$ 255,206,593 82.49%	\$ 48,340,081 15.95%	\$ 4,841,581 1.56%	\$ 308,388,235 98.13%	\$ 5,692,009 1.87%	\$ - 0.00%	\$ 315,280,244 100.00%	
Customers ³	27,886 76.00%	7,257 20.23%	638 1.78%	35,881 79.18%	9,451 20.85%	0	45,332	
Average Percentage	80.25%	18.09%	1.67%	88.64%	11.36%		100.00%	
Allocation of Allocable Expenses	73,314	16,528	1,526	91,368	11,710	0	\$ 103,078	Check Total
Effective Allocation %	71.12%	16.03%	1.48%		11.36%	N/A		\$ -

1 - PWS customers based on municipality customers and pro rated based on services rendered

Allocation Calculation - Tier 3 (PWW, PEU and PWS)

	PWW	PEU	Pittsfield	Con Ops (PWS)	Real Estate (TSC)	Total	
Total Assets ²	\$ 255,206,593 82.21%	\$ 48,340,081 15.89%		\$ 5,692,009 1.90%		\$ 310,438,683 100.00%	
Customers ³	27,886 62.62%	7,257 16.24%		9,451 21.15%		44,694 100.01%	
Average Percentage	72.41%	16.07%		11.52%		100.00%	
Allocation of Allocable Expenses	\$ 21,221	\$ 4,709	0	\$ 3,376	0	\$ 29,306	Check Total
Effective Allocation %	72.41%	16.07%	N/A	11.52%	N/A		\$ -

Allocation Calculation - Tier 4 (Regulated Companies)

	PWW	PEU	Pittsfield	Con Ops (PWS)	Real Estate (TSC) ¹	Total	
Total Assets ²	\$ 255,206,593	\$ 49,340,061	\$ 4,041,561			\$ 309,388,235	
	82.49%	15.95%	1.57%			100.00%	
Customers ³	27,986	7,257	636			35,881	
	76.00%	20.23%	1.78%			100.00%	
Average Percentage	80.24%	18.09%	1.67%			100.00%	
Allocation of Allocable Expenses	\$ 43,026	\$ 9,700	\$ 895	0	0	\$ 53,621	Check Total
Effective Allocation %	80.24%	18.09%	1.67%	N/A	N/A		\$ -

Specific Allocation Calculations - Tier 5-7

	PWW	PEU	Pittsfield	North Country	Con Ops (PWS)	Real Estate (TSC) ¹	Total	Check Total
Direct Allocable Costs	0	0	-	-	-	0	-	\$ -
	N/A	N/A				N/A		

Summary of Allocations

	PWW	PEU	Pittsfield	North Country	Con Ops (PWS)	Real Estate (TSC)	Totals	
Tier 1	390,099	87,947	8,119	-	23,756	971	510,892	
Tier 2	79,314	16,526	1,526	-	11,710	-	109,076	
Tier 3	21,221	4,709	-	-	3,376	-	29,306	
Tier 4	43,026	9,700	895	-	-	-	53,621	
PWSC only and PAC only	-	-	-	-	-	-	-	unallocated
Total Allocations	537,660	118,884	10,540	-	38,842	971	696,897	TSC Check Total
	75.72%	17.05%	1.51%	0.00%	5.57%	0.14%	100.00%	

**Summary Transfers from PWW Operating to Other Companies
Full Year Amounts**

	Annual Amts	Monthly Amts
PWW operating expense allocation - PWW	\$ (169,237)	\$ (14,103)
PWW operating expense allocation - PEU	\$ 118,854	\$ 9,907
PWW operating expense allocation - Pittsfield	\$ 10,540	\$ 878
PWW operating expense allocation - PCP	\$ -	\$ -
PWW operating expense allocation - PWS	\$ 38,842	\$ 3,237
PWW operating expense allocation - TSC	\$ 971	\$ 81
Check Totals	\$ -	\$ -

Pennichuck Corporation
Mgmt Fee Expense Allocation (to other Subsidiary Companies)
For Month Ending 12/31/15

Provided pursuant to NHPUC Rule 1604.01(25)

Professional Fees	90,528
D&O Insurance	36,642
Annual Report Cost & Meeting	109
Auditors Expense/SEC Legal	74,304
Corp Governance Legal/American Stock Transfer	683
Directors Fees & Meetings/Corporate Secretary	-
EDGAR Filing/NASDAQ/All Other Misc	-
Board of Directors	132,297
Board of Directors Education & Training	-
Total Allocable Expense	337,563

Allocation Calculation - level 1 (All Companies)							
	PWW	PEU	Pittsfield	Total Regulated	Con Ops (PWS)	Real Estate (TSC)	Total
Revenues	\$ 29,677,155	\$ 7,229,165	\$ 760,533	\$ 37,666,853	\$ 3,171,075	\$ -	\$ 40,837,928
December 2015 Prelims	72.67%	17.70%	1.86%		7.77%	0.00%	100.00%
Total Assets	\$ 255,206,593	\$ 49,340,061	\$ 4,841,581	\$ 309,388,235	\$ 5,892,009	\$ 2,366,144	\$ 317,646,388
December 2015 Prelims	80.34%	15.53%	1.52%		1.86%	0.75%	100.00%
Average Percentage	76.51%	16.62%	1.69%		4.81%	0.37%	100.00%
Allocation of Allocable Expenses	258,259	56,094	5,715	\$ 320,068	16,237	1,257	\$ 337,563
							<u>Check Total</u>
							\$ -

Summary Transfers from PCP Operating to Other Companies - Full Year Amounts			
	YTD Costs	Current Balance	Monthly Adj
PCP Mgmt Fee Expense Allocation - PCP	\$ (337,562)	\$ (337,562)	-
PCP Mgmt Fee Expense Allocation - PWW	\$ 258,259	258,259	-
PCP Mgmt Fee Expense Allocation - PEU	\$ 56,094	56,094	-
PCP Mgmt Fee Expense Allocation - PAC	\$ 5,715	5,715	-
PCP Mgmt Fee Expense Allocation - PWS	\$ 16,237	16,237	-
PCP Mgmt Fee Expense Allocation - TSC	\$ 1,257	1,257	-
Check Totals	\$ -	\$ -	\$ -

Summary of 2015 Allocated Costs Year to Date Costs through December 31, 2015 Pennichuck Corporation and Subsidiaries (Dollar amounts in \$ 000's)								
	<u>Penn Water</u>	<u>Penn East</u>	<u>Pittsfield</u>	<u>Total Regulated</u>	<u>Con Ops(PWSC)</u>	<u>Real Estate(TSC)</u>	<u>Total</u>	
Allocated Corporate Costs	\$ 258,259	\$ 56,094	\$ 5,715	\$ 320,068	\$ 16,237	\$ 1,257	\$ 337,563	
%	76.5%	16.6%	1.7%	94.8%	4.8%	0.4%	100.0%	
Allocated Return on Common Assets	527,660	118,884	10,540	657,084	38,842	971	696,897	
%	75.7%	17.1%	1.5%	94.3%	5.6%	0.1%	100.0%	
Allocated Pennichuck Water Costs - Work Orders	1,281,094	300,336	32,128	1,613,558	417,969	-	2,031,527	
%	63.1%	14.8%	1.6%	79.4%	20.6%	0.0%	100.0%	
Allocated Pennichuck Water Costs - Management Fee	4,741,761	1,069,024	98,688	5,909,473	490,011	7,926	6,407,410	
%	74.0%	16.7%	1.5%	92.2%	7.6%	0.1%	100.0%	
Total Allocated 2015 Costs	\$ 6,808,777	\$ 1,544,339	\$ 147,071	\$ 8,500,187	\$ 963,059	\$ 10,154	\$ 9,473,400	
%	71.9%	16.3%	1.6%	89.7%	10.2%	0.1%	100.0%	

Summary of 2015 Allocated Costs
Year to Date Costs through December 31, 2015
Pennichuck Corporation
(Dollar amounts in \$ 000's)

	<u>Penn Water</u>	<u>Penn East</u>	<u>Pittsfield</u>	<u>Total Regulated</u>	<u>Con Ops(PWSC)</u>	<u>Real Estate(TSC)</u>	<u>Total</u>
Allocated Corporate Costs	\$ 258,259	\$ 56,094	\$ 5,715	\$ 320,068	\$ 16,237	\$ 1,257	\$ 337,563
%	76.5%	16.6%	1.7%	94.8%	4.8%	0.4%	100.0%

Summary Transfers from PCP Operating to Other Companies - Full Year Amounts

	<u>YTD Costs</u>	<u>Current Balance</u>	<u>Monthly Adj</u>
PCP Mgmt Fee Expense Allocation - PCP	\$ (337,562)	(313,196)	(24,366)
PCP Mgmt Fee Expense Allocation - PWW	\$ 258,259	240,660	17,599
PCP Mgmt Fee Expense Allocation - PEU	\$ 56,094	51,425	4,669
PCP Mgmt Fee Expense Allocation - PAC	\$ 5,715	5,263	452
PCP Mgmt Fee Expense Allocation - PWS	\$ 16,237	14,683	1,554
PCP Mgmt Fee Expense Allocation - TSC	\$ 1,257	1,165	92
Check Totals	\$ -	\$ -	\$ -

Summary of 2015 Allocated Costs
Year to Date Costs through December 31, 2015
Pennichuck Water Works
(Dollar amounts in \$ 000's)

	<u>Penn Water</u>	<u>Penn East</u>	<u>Pittsfield</u>	<u>Total Regulated</u>	<u>Con Ops(PWSC)</u>	<u>Real Estate(TSC)</u>	<u>Total</u>
Allocated Return on Common Assets	527,660	118,884	10,540	\$ 657,084	38,842	971	\$ 696,897
%	75.7%	17.1%	1.5%	94.3%	5.6%	0.1%	100.0%
Allocated Pennichuck Water Costs - Work Orders	1,281,094	300,336	32,128	\$ 1,613,558	417,969	-	\$ 2,031,527
%	63.1%	14.8%	1.6%	79.4%	20.6%	0.0%	100.0%
Allocated Pennichuck Water Costs - Management Fee	4,741,761	1,069,024	98,688	\$ 5,909,473	490,011	7,926	\$ 6,407,410
%	74.0%	16.7%	1.5%	92.2%	7.6%	0.1%	100.0%
Total Allocated 2015 Costs	\$ 6,550,515	\$ 1,488,244	\$ 141,356	\$ 8,180,115	\$ 946,822	\$ 8,897	\$ 9,135,834
%	71.7%	16.3%	1.5%	89.5%	10.4%	0.1%	100.0%

Summary Transfers from PWW Operating to Other Companies - Full Year Amounts

	<u>YTD Costs</u>	<u>Current Balance</u>	<u>Monthly Adjustment</u>
PWW operating expense allocation - PWW	\$ (2,585,319)	(2,175,592)	\$ (409,727)
PWW operating expense allocation - PEU	\$ 1,488,244	1,219,504	\$ 268,740
PWW operating expense allocation - PAC	\$ 141,356	115,259	\$ 26,097
PWW operating expense allocation - PCP	\$ -	-	\$ -
PWW operating expense allocation - PWS	\$ 946,822	834,099	\$ 112,723
PWW operating expense allocation - TSC	\$ 8,897	6,730	\$ 2,167
Check Totals	\$ (0)	\$ -	\$ -

Step Allocation of Benefits

2014 Benefits	Total Dollars	Non-Union Wage Portion	Union Wage Portion	Total with Adjustments	Allocation Method
Officer's Life Insurance	1,175	1,175	-	1,175	Actual
Pension - DB Plan	1,086,864	624,895	461,969	1,086,864	Based on 2015 Budget
Group Pension: 401K	112,440	JUSTED	48,987	115,574	Budget + Wage Increases
Post Retirement Health Expense	(81,912)	(47,096)	(34,816)	(81,912)	Based on 2015 Budget
Post Employment Health Expense	139,356	139,356	-	139,356	Based on 2015 Budget
Group Health Insurance	1,254,478	726,845	527,833	1,254,478	Based on 2015 Budget - See Below
Health Insurance: Opt Out	10,667	5,721	4,946	10,667	Actual
Group Dental	135,242	78,359	56,883	135,242	Actual
Group Life/Disability Insurance	27,506	14,753	12,753	27,506	Actual
Misc Employee Benefits	48,468	25,997	22,471	48,468	Actual
Tuition Reimbursements	14,596	7,829	6,767	14,596	Actual
Training Educational Seminars	171,981	92,244	79,736	171,981	Actual
Boot & Clothing Allowance-OPS	269,971	-	269,971	269,971	Actual
Boot & Clothing Allowance-CS-Union	4,679	-	4,679	4,679	Actual
Boot & Clothing Allowance-WTP	3,169	-	3,169	3,169	Actual
Union Sick Time	117,443	-	120,379	120,379	Actual + % wage increase
Vacation Earned YTD (per Acc Vac Rpt) Union Only	21,404	-	21,939	21,939	Schedule + % wage increase
Payroll Taxes:					
Employer FICA/Medicare	557,014	329,865	242,676	572,541	Actual + % wage increase
FUTA	4,715	2,711	2,004	4,715	Actual
SUI	8,630	4,962	3,668	8,630	Actual
Total Benefits	3,907,888	2,074,203	1,855,817	3,930,020	
Benefits % (of wages)	50.5%	45.38%	54.92%		
Total Wages thru 12/26/14	7,837,288	4,497,569	3,339,719		Wages per Payroll (Paylocity)
Less: Accrued Wages as of 12/31/13	(186,862)	(108,672)	(78,210)		Year End Payroll Accrual Entry
Add: Accrued Wages thru current mo-end	64,119	48,887	35,232		Current Month Payroll Accrual
Grand Total Wages	7,734,525	4,437,784	3,296,741		
Grand Total Wages + 2015 wage increases	7,950,077	4,570,917.53	3,379,159		Non-union 3% - Union 2.5%
%	100.0%	57.4%	42.6%		
Total Headcount	110	59	51		
(Excluding Summer Help)	100.0%	53.6%	46.4%		

Health Insurance Calculation

2015 Budget	1,254,478	
2014 - Union % (Based on Actual Participation at YE 2014)	41.24%	527,633
2014 - Non-Union % (Based on Actual Participation @ YE 2014)	58.76%	726,845
	100.00%	1,254,478

Dental Insurance Calculation

2015 Budget	135,242	
2014 - Union % (Based on Actual Participation at YE 2014)	42.06%	56,883
2014 - Non-Union % (Based on Actual Participation @ YE 2014)	57.94%	78,359
	100.00%	135,242

Grand Total Wages Calculation

Union	3,296,741	2.50%	3,379,159
Non-Union	4,437,784	3.00%	4,570,918
	7,734,525		7,950,077

Union Sick Time	117,443	Actual
x 2.5% wage increase	2,936	
Total for 2015	120,379	

Employer FICA/Medicare	557,014	Actual
Union	236,757	242,676
Non-Union	320,257	329,865
	557,014	572,541

Group Pension: 401K	112,440	Budgeted
Union	47,792	48,987
Non-Union	64,648	66,587
	112,440	115,574

Vacation Earned YTD	21,404	21,939	2.50%
Union Carryover			