



Rec'd 4/4/2016
APR 04 2016
CM

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April 1, 2016

VIA FEDERAL EXPRESS/EMAIL/REGULAR MAIL

Board of Public Utilities

APR 04 2016

MAIL RECIEVED

Honorable Irene Kim Asbury, Secretary
Board of Public Utilities
44 South Clinton Avenue
9th Floor
PO Box 350
Trenton, NJ 08625-0350

Re: I/M/O Aqua New Jersey, Inc.'s **Updated** Distribution System Improvement Charge Calculation for the September 1, 2015 through February 29, 2016 DSIC Recovery Period; Docket No. WR14010019

Dear Secretary Asbury:

Enclosed for filing, please find an original and five (5) copies of Aqua New Jersey, Inc.'s **UPDATED** Distribution System Improvement Charge calculation for the September 1, 2015 through February 29, 2016 DSIC Recovery Period. This filing is based on the Company's Foundational Filing submitted on March 17, 2014 as part of its base rate case (Docket No. WR14010019) and later revised on July 22, 2014 to reflect changes agreed upon by all parties to the rate case.

Updates incorporated here are as follows:

- The DSIC Eligible Spending was revised down from \$18,076,552 to \$17,970,365
- Appendix 1-4 were amended accordingly to reflect the filing

Should you have any questions, please feel free to contact me. Thank you for your attention to this matter.

Regards,

Susan Rauth
Controller
strauth@aquaaamerica.com

Case mgmt
list - hard copy

SERVICE LIST

I/M/O Aqua New Jersey, Inc.'s UPDATED Distribution System Improvement Charge Calculation for the September 1, 2015 through February 29, 2016 DSIC Recovery Period; Docket No. WR14010019

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SERVICE LIST

**I/M/O Aqua New Jersey, Inc.'s UPDATED Distribution System Improvement Charge Calculation for the
September 1, 2015 through February 29, 2016 DSIC Recovery Period; Docket No. WR14010019**

Susan Rauth
Controller
Aqua New Jersey, Inc.
10 Black Forest Road
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Aqua New Jersey, Inc.
 Distribution System Improvement Charge Calculation - 12 Month DSIC Filing
 Docket No. WR14010018
 DSIC Recovery Period: September 1, 2016 - February 29, 2016

	Sept 2014 - Feb 2015	Total 12 Months Ending August 2015	Total 18 Months Ending Feb 2016	
Eligible Investment (Qualified DSIC Additions to UPIS During DSIC Period)	\$ 7,487,590	\$ 14,368,376	\$ 17,970,365	(A)
Less: Accumulated Depreciation	\$ (49,743)	\$ (194,940)	\$ (409,803)	(B)
Less: Deferred Tax	\$ (8,797)	\$ (34,473)	\$ (72,457)	(C)
Eligible Net Investment (Net DSIC Additions to UPIS During DSIC Period)	\$ 7,429,050	\$ 14,138,963	\$ 17,488,106	
Times Pre-Tax Rate of Return	10.46%	10.46%	10.46%	(D)
Pre-Tax Return on Investment	\$ 778,781	\$ 1,478,389	\$ 1,828,579	
Add Depreciation	\$ 198,972	\$ 381,818	\$ 477,631	
(Under)/Over Recovery	\$	\$ (5,181)	\$ (16,329)	(G)
Revenue Recovery	\$ 975,763	\$ 1,855,026	\$ 2,289,881	
Revenue Factor	\$ 1.1670287	\$ 1.1670287	\$ 1.1670287	(E)
Current DSIC Revenue Requirement Recovery Amount - Annual	\$ 1,138,743	\$ 2,164,888	\$ 2,672,357	
DSIC Rate Calculated	3.14%	5.09%	7.36%	
Actual/Max DSIC Revenue Requirement Recovery Amount - Annual	\$ 1,138,743	\$ 1,814,922	\$ 1,814,922	(F)
Max DSIC Rate To Be Applied	3.14%	5.00%	5.00%	

	Plan Balances as of 12/31/2013	Depreciation Rate	DSIC Base Spending Requirement	DSIC Base Spending Sept 2014 - August 2015	DSIC Base Spending Sept 2015 - February 2016	Remaining DSIC Base Spending Requirement Prior to August 2016
Account #343 Mains	\$ 102,520,840	2.15%	\$ 2,204,198			
Account #345 Services	\$ 31,312,953	3.87%	\$ 1,211,811			
Account #346 Hydrants	\$ 5,644,337	3.00%	\$ 189,330			
	\$ 139,478,130		\$ 3,585,339			
CIAC & CAC Mains	\$ (33,218,952)	2.23%	\$ (740,783)			
CIAC & CAC Services	\$ (1,102,068)	4.55%	\$ (50,144)			
CIAC & CAC Hydrants	\$ (5,764)	3.00%	\$ (173)			
	\$ (34,326,784)		\$ (791,100)			
Base Spending Requirement			\$ 2,794,240	\$ 2,801,802	\$ 516,180	\$ 2,270,488

Date of Foundational Filing Submission: 3/17/2014
 Date of Most Recent BPU Annual Report at the time the Foundational Filing was Submitted: 12/31/2012
 Date of BPU Report Used for the Base Spending Calculation Above as per the Company's last Base Rate Case*: 12/31/2013
 *Docket No. WR14010019 - Response to Interrogatory RCR-A-89

	Sept 2014 - Feb 2015	March 2015 - August 2015	September 2015 - February 2016	Total 18 Months Ending February 2016
(A) - Includes six months actual DSIC eligible projects closed to UPIS during DSIC Period	\$ 7,487,590	\$ 6,880,787	\$ 3,601,989	\$ 17,970,365 (A)

	Sept 2014 - Feb 2015	March 2015 - August 2015	September 2015 - February 2016	Total 18 Months Ending February 2016
(B) - Accumulated Depreciation:				
DSIC Eligible projects closed to UPIS	\$ 7,487,590	\$ 6,880,787	\$ 3,601,989	
Composite Depreciation rate	2.66%	2.66%	2.66%	
Annual Depreciation Expense	\$ 198,972	\$ 182,847	\$ 95,813	
1/2 Year Convention (for first 6 months)	\$ 49,743	\$ 45,712	\$ 23,953	
Running Accumulated Depreciation Total	\$ 49,743	\$ 194,940	\$ 409,802.56	(B)

	Sept 2014 - Feb 2015	March 2015 - August 2015	September 2015 - February 2016	Total 18 Months Ending February 2016
(C) - Deferred Taxes:				
DSIC-eligible projects closed to UPIS	\$ 7,487,590	\$ 6,880,787	\$ 3,601,989	
MACRS rate for 1st year water plant	4.00%	4.00%	4.00%	
Tax Depreciation 1st year	\$ 74,876	\$ 68,808	\$ 36,020	
Book Depreciation	\$ 49,743	\$ 45,712	\$ 23,953	
Tax Depreciation Greater than Book	\$ 25,133	\$ 23,096	\$ 12,067	
Deferred Taxes at 35%	\$ 8,797	\$ 8,084	\$ 4,223	
Running Accumulated Total	\$ 8,797	\$ 34,473	\$ 72,457	(C)

	Ratio	Cost Rate	Weighted AVG Cost of Capital	Pre-Tax Rate of Return
Long Term Debt	47.53%	5.44%	2.59%	2.59%
Common Equity	52.47%	9.75%	5.12%	7.87%
Subtotal Return on Rate Base	100.00%		7.70%	10.46% (D)

(E) - Revenue (Gross-up Factor)	\$ 1.1670287 (E)
Dollar of Revenue	\$ 1,000,000
Less: GRT Tax	(0.1362213) (per most recent base rate case)
Less: Bad Debts	(0.0044703) (per most recent base rate case)
Less: BPU Assessment	(0.0019325) (per most recent assessment)
Less: DRC Assessment	(0.0004890) (per most recent assessment)
Revenue remaining after taxes, bad debts, and assessments	\$ 0.8568770

	September 2014 - February 2015	Total 12 Months Ending August 2015	Total 18 Months Ending February 2016
(F) - Revenue Requirement Recovery Amount			
Total Annual Revenues Established in Last Base Rate Case	\$ 36,298,449	\$ 36,298,449	\$ 36,298,449
DSIC Cap Percentage	5.00%	5.00%	5.00%
DSIC Revenue Requirement Recovery Amount Cap	\$ 1,814,922	\$ 1,814,922	\$ 1,814,922
Current DSIC Revenue Requirement Recovery Amount - Annual	\$ 1,138,743	\$ 2,164,888	\$ 2,672,357
Actual/Max DSIC Revenue Requirement Recovery Amount - Annual	\$ 1,138,743	\$ 1,814,922	\$ 1,814,922 (F)

	March 2015 - August 2015 Filing	September 2015 - February 2016 Filing
(G) - (Over)/Under Recovery Amount:		
Allowed DSIC Revenue Requirement Recovery Amount - Annual	\$ 1,138,743	\$ 1,814,922
Allowed DSIC Revenue Requirement Recovery Amount - Monthly	\$ 94,895	\$ 151,244
Allowed DSIC Revenue Requirement Recovery Amount - Daily	\$ 3,122	\$
Allowed DSIC Revenue Requirement Recovery Amount	\$ 360,862	\$ 794,765
Actual DSIC Revenue Requirement Recovery Amount Received	\$ 366,043	\$ 813,960
(Over)/Under Recovery Amount	\$ (5,181)	\$ (16,195)
(Over)/Under Recovery Amount including WACC Interest at 7.70% on (Over) Recovery Only	\$ (5,224)	\$ (16,329) (G)

Aqua New Jersey, Inc.
Detailed Project Listing - DSIC Eligible Spend and Base Spend Requirement
DSIC Recovery Period: September 1, 2015 - February 29, 2016

Foundational Filing Information				DSIC Spend		Actuals		
Category	Project Number	Project Description	Construction Year	Estimated Costs	Project Number	Project Description	In Service Date	Costs Placed in Service Sept 1, 2015 - February 29, 2016
Blanket Renewal Services - Regular	N/A	N/A	2014/2015	2,906,250	N/A	Blanket Renewal Services - Regular	Monthly	2,070,301
Blanket Replaced/Relocated Hydrants	N/A	N/A	2014/2015	394,000	N/A	Blanket Replaced/Relocated Hydrants	Monthly	46,212
Blanket Valve Replacements	N/A	N/A	2014/2015	150,000	N/A	Blanket Valve Replacements	Monthly	-
					N/A	Blanket Capitalized Main Breaks	Monthly	108,244
Hydraulic Improvement Project	25010024765	Moms	2014/2015	385,000	25010024765	WMR-N6-Moms	September-14	24,646
Hydraulic Improvement Project	25030092115	Pennsylvania	2015/2016	227,500	25030092115	WMR- S30 Pennsylvania Ave	November-14	1,779
Hydraulic Improvement Project	25020016155	Mercer Street	2014/2015	612,500	25020016155	WMR- C27- Mercer Street	November-14	(832)
Hydraulic Improvement Project	25020025102	Deerwood	2014/2015	210,000	25020025102	WMR- C2- Deerwood	November-14	10,010
Hydraulic Improvement Project	25020016153	Tekening Way	2014/2015	248,500	25020016153	WMR- C32- Tekening Way	January-15	(288)
Hydraulic Improvement Project	25020016148	Greenbnar & Miry Brook	2014/2015	168,000	25020016148	WMR C34 Mirybrook and Greenbr	January-15	(288)
Hydraulic Improvement Project	25030064392	Taranto	2016/2017	140,000	25030064392	WMR- Taranto	November-14	20,798
Hydraulic Improvement Project	25030029300	Presdenbal	2016/2017	210,000	25030029300	WMR- S68 Presidential	January-15	29,135
Hydraulic Improvement Project	25010036683	Railroad Street	2014/2015	302,050	25010036683	WMR- N69 -Railroad	January-15	(21,398)
Hydraulic Improvement Project	25010029562	Raymond	2014/2015	52,500	25010029562	WMR-N9 Raymond	January-15	(2,808)
Rehabilitation Project	25030052774	Winding Way	2014/2015	525,000	25030052774	WMR-S62-Winding Way-Phase 2	September-14	15,896
Rehabilitation Project	25030023749	Lacasta	2014/2015	437,500	25030023749	WMR-LaCascata	September-14	(32,129)
Rehabilitation Project	25010025185	Vernon Water Company	2014/2015	875,000	25010025185	WMR-N45- Vernon Water Company	September-14	1,010
Hydraulic Improvement Project	25010024762	Francis/Henderson	2014/2015	154,000	25010024762	WMR-N3-Francis/Henderson	August-15	25,491
Hydraulic Improvement Project	25010070916	Shafer	2014/2015	227,500	25010070916	WMR- N22-Shafer	July-15	72,566
Hydraulic Improvement Project	25020016156	Crosswicks-Chest Rd.	2018/2019	357,000	25020016156	WMR- C 18 Chesterfield Crosswic	August-15	110,631
Hydraulic Improvement Project	25020025103	Linewood	2014/2015	533,750	25020025103	WMR- C3-Linewood	August-15	(43,333)
Hydraulic Improvement Project	25030029943	New Jersey	2016/2017	140,000	25030029943	WMR- S25 New Jersey	August-15	50,596
Hydraulic Improvement Project	25030043365	Cressmont	2016/2017	516,250	25030043365	WMR S39 Cressmont	July-15	229,453
Unreimbursed Highway Expenses	25040054144	Ronald Avenue Main Location	2014/2015	450,000	25040054144	WMR-E1 Ronald Ave	November-15	370,117
Total DSIC Spend								3,085,809

Foundational Filing Information				Base Spend		Actuals		
Category	Project Number	Project Description	Construction Year	Estimated Costs	Project Number	Project Description	In Service Date	Costs Placed in Service Sept 1, 2015 - February 29, 2016
Hydraulic Improvement Project	25030025163	Church /Elm	2014/2015	262,500	25030025163	WMR-S9-Church/Elm	September-14	3,005
Unreimbursed Highway Expenses	25010016489	County Relocation	2014/2015	50,000	25010016489	County Relocation	August-15	308,093
Hydraulic Improvement Project	25010024763	Glen	2014/2015	218,750	25010024763	WMR-N4-Glen	July-15	50,000
Hydraulic Improvement Project	25020028914	Ellisdale Road	2016/2017	420,000	25020028914	WMR- C21- Ellisdale	August-15	270,634
Rehabilitation Project	25020039382	Spartan Village	2014/2015	525,000	25020039382	WMR-C62 Spartan Village	July-15	(148,557)
Hydraulic Improvement Project	25030043364	Drexel	2016/2017	411,250	25030043364	WMR- S 41 Drexel Street	May-15	33,005
Total Base Spend \$								516,180
Total Closed during DSIC Recovery Period: \$								3,601,989

Aqua New Jersey, Inc.
Monthly DSIC Assessment Revenues at 5.00%
Docket No. WR14010019
DSIC Recovery Period: September 1, 2015 - February 29, 2016

Applicable to General Metered Service.

DSIC Eligible Revenues	\$36,298,449 *
Annual DSIC Revenue Surcharge at 5.00%	\$1,814,922
Annual Assessment per Meter Equivalent at 5.00%	\$29 10
Monthly Assessment per Meter Equivalent at 5.00%	\$2.43

Class	Size	Customer s	Meter Equivalent s	Monthly DSIC Assessme nt \$	Weighted Meter Equivalents	Monthly DSIC Assessment Revenues at 5.00%
Residential						
	5/8x3/4"	41,286	1.0	\$2.43	41,286	\$100,324.98
	3/4"	5,368	1.5	\$3.65	8,052	\$19,593.20
	1"	752	2.5	\$6.08	1,880	\$4,572.16
	1-1/2"	147	5.0	\$12.15	735	\$1,786.05
	2"	144	8.0	\$18.83	1,152	\$2,711.52
	3"	4	15.0	\$36.00	60	\$144.00
	6"	1	50.0	\$121.50	50	\$121.50
	8"	1	80.0	\$194.40	80	\$194.40
	Total Base RES	47,703			53,295	\$129,447.81
Commercial						
	5/8x3/4"	1,145	1.0	\$2.43	1,145	\$2,782.35
	3/4"	153	1.5	\$3.65	230	\$558.45
	1"	309	2.5	\$6.08	773	\$1,878.72
	1-1/2"	175	5.0	\$12.15	875	\$2,126.25
	2"	329	8.0	\$18.83	2,632	\$6,195.07
	3"	28	15.0	\$36.00	420	\$1,008.00
	4"	11	25.0	\$60.75	275	\$668.25
	6"	6	50.0	\$121.50	300	\$729.00
	8"	6	80.0	\$194.40	480	\$1,166.40
	Total Base COM	2,162			7,130	\$17,112.49
Industrial						
	5/8x3/4"	10	1.0	\$2.43	10	\$24.30
	3/4"	1	1.5	\$3.65	2	\$3.65
	1"	2	2.5	\$6.08	5	\$12.16
	1-1/2"	3	5.0	\$12.15	15	\$36.45
	2"	13	8.0	\$18.83	104	\$244.79
	3"	0	15.0	\$36.00	0	\$0.00
	4"	5	25.0	\$60.75	125	\$303.75
	6"	2	50.0	\$121.50	100	\$243.00
	8"	1	80.0	\$194.40	80	\$194.40
	10"	1	115.0	\$279.45	115	\$279.45
	Total Base IND	38			556	\$1,341.95
Public Authority						
	5/8x3/4"	19	1.0	\$2.43	19	\$46.17
	3/4"	1	1.5	\$3.65	2	\$3.65
	1"	4	2.5	\$6.08	10	\$24.32
	1-1/2"	8	5.0	\$12.15	40	\$97.20
	2"	44	8.0	\$18.83	352	\$828.52
	3"	8	15.0	\$36.00	120	\$288.00
	4"	5	25.0	\$60.75	125	\$303.75
	6"	8	50.0	\$121.50	400	\$972.00
	8"	4	80.0	\$194.40	320	\$777.60
	Total Base PUB	101			1,388	\$3,341.21
Totals		50,004			62,369	\$151,243.46
				Annual Assessment		\$1,814,921.52

**Appendix 1
Hydraulic Improvement Project List**

Identification Number (Activity Number)	Street	LoACtion Parameters	Estimated Cost	Performance Criteria	Renewal Method	Score	In Service Date	DSIC Costs Placed In Service (September 2015 - February 2016)	Base Spending Costs Placed In Service (September 2015 - February 2016)
25010070914	Bullman	Chambers to Summit	\$ 280,000.00	Undersized	R (C)	16.8	September-14		
25010070915	Sitgreaves	Mckeen to Abbot	\$ 201,250.00	Undersized	R (C)	12.9	September-14		
25010024767	Prospect	North of Marshall	\$ 105,000.00	Undersized	R (C)	14.0	September-14		
25010024766	Prospect	Heckman to Marshall	\$ 147,000.00	Undersized	R (C)	9.0	November-14		
25010024761	Fourth	Broad go East to Ex. 8"	\$ 131,250.00	Undersized	R (C)	9.0			
25010021357	Firth	Marshall to Irwin	\$ 113,750.00	Undersized	R (C)	9.0			
25010030521	Brunswick Ave	Church to Gardinier	\$ 525,000.00	Undersized	R (C)	12.0			
	Harris	Harris	\$ 122,500.00	Undersized	R (C)	14.0			
	Randall	Randall	\$ 35,000.00	Undersized	R (C)	14.0			
25010024765	Morris	Summit to Filmore	\$ 385,000.00	Undersized	R (C)	12.0	September-14	\$ 24,646	
25030092115	Pennsylvania	Pennsylvania	\$ 227,500.00	Undersized	R (C)	16.0	November-14		
25010028058	Davis & Mary (Mary not in map book)	Filmore to Railroad	\$ 175,000.00	Undersized	R (C)	12.0			
	Hudson	So. Main to Brainard	\$ 61,250.00	Undersized	R (C)	12.0			
	Joseph	Joseph	\$ 52,500.00	Undersized	R (C)	12.0			
	Rose & Third St.	Forth to Broad St.	\$ 192,500.00	Undersized	R (C)	12.0			
	So. Main	Market to Hudson	\$ 61,250.00	Undersized	R (C)	12.0			
	Wilson	Heckman to Marshall	\$ 122,500.00	Undersized	R (C)	12.0			
25010029562	Raymond	Between Summit & Morris	\$ 52,500.00	Undersized	R (C)	11.0	January-15	\$ (2,808)	
	West Mercer	West of River St.	\$ 78,750.00	Undersized	R (C)	11.0			
25010024763	Glen	Filmore to Schultz	\$ 218,750.00	Undersized	R (C)	9.8			
25010028060	Summit	Morris to Chambers	\$ 490,000.00	Undersized	R (C)	9.8			
25010024764	Green	North of Congress	\$ 136,500.00	Undersized	R (C)	15.4			
	Brainard	Brainard	\$ 183,750.00	Undersized	R (C)	15.0			
	Tindall, Front & Bullman	End to End	\$ 145,250.00	Undersized	R (C)	15.0			
	Raymond	Shafer to Morris	\$ 57,750.00	Undersized	R (C)	9.0			
25010070916	Shafer (2" not shown in map book)	Shafer to End	\$ 227,500.00	Undersized	R (C)	14.0	July-15	\$ 72,566	
25010024781	Washington	Harris to Chambers	\$ 630,000.00	Undersized	R (C)	12.3			
	Hofman		\$ 131,250.00	Undersized	R (C)	17.1			
	Miry Circle	Off Wolfpack Road	\$ 37,100.00	Undersized	R (C)	12.0			
25020025121	Park Ave	North of Maple Shade	\$ 280,000.00	Undersized	R (C)	11.0			
25020016155	Mercer Street	Cubberly to Hutchinson	\$ 612,500.00	Undersized	R (C)	15.5	November-14	\$ (832)	
25020025102	Deerwood	Nottingham Way to Rte 33	\$ 210,000.00	Undersized	R (C)	9.0	November-14	\$ 10,010	
25020025101	Burtis	Both sides of Nottingham to Brier	\$ 175,000.00	Undersized	R (C)	9.0			
25020025103	Limewood	Route 33 to Estates	\$ 533,750.00	Undersized	R (C)	8.0	August-15	\$ (43,333)	
	Richardson	WMG	\$ 385,000.00	Grid	R (C)				
	Margerum Road	WMG- Davenport to Chesterfield/Cros	\$ 201,250.00	Grid	R (C)				
25020025106	Nottingham Way	Paxson to Park	\$ 245,000.00	Undersized	R (C)	9.0			
25020028914	Ellisdale Road	All	\$ 420,000.00	Undersized	R (C)	14.0	August-15		\$ 270,634
25020016156	Crosswicks-Chest Rd.	So. Rosewood to the creek	\$ 357,000.00	Undersized	R (C)	13.0	August-15	\$ 110,631	
	Indiana	Church to Well # 3 Tie in	\$ 259,000.00	Undersized	R (C)	12.0			
	4" Line	Between Fairmount & Asyla	\$ 99,750.00	Undersized	R (C)	10.0			
	Adriene	Adriene Ct.	\$ 29,750.00	Undersized	R (C)	10.0			
	Service to B^Wood Sch	Theresa to School	\$ 89,250.00	Undersized	R (C)	10.0			
	Barbara	Barbara	\$ 56,000.00	Undersized	R (C)	10.0			
	Grand	High to State	\$ 315,000.00	Undersized	R (C)	10.0			
	Lehigh	Fairmount to End	\$ 113,750.00	Undersized	R (C)	10.0			
	Linda	Barbara to 4"p	\$ 239,750.00	Undersized	R (C)	10.0			
25030092115	Pennsylvania	Pennsylvania	\$ 162,750.00	Undersized	R (C)	10.0	November-15	\$ 1,779	

**Appendix 1
Hydraulic Improvement Project List**

Identification Number (Activity Number)	Street	LoACtion Parameters	Estimated Cost	Performance Criteria	Renewal Method	Score	In Service Date	DSIC Costs Placed In Service (September 2015 - February 2016)	Base Spending Costs Placed In Service (September 2015 - February 2016)
	Theresa	South to the end	\$ 115,500.00	Undersized	R (C)	10.0			
25030025163	Church /Elm	Upsize to 12"	\$ 262,500.00	Undersized	R (C)	10.0	September-14		\$ 3,005
25030025161	East Blenheim	Clementon to End	\$ 105,000.00	Undersized	R (C)	8.0			
	West	West	\$ 80,500.00	Undersized	R (C)	14.9			
25020039993	Village Ct	To Shackamaxon	\$ 62,125.00	Undersized	R (C)	7.0			
25020016153	Tekening Way	Shawnee to Greenbriar	\$ 248,500.00	Undersized	R (C)	8.0	January-15	\$ (288)	
25020016148	Greenbriar & Miry Brook	Nothingham to Shawnee	\$ 168,000.00	Undersized	R (C)	8.0	January-15	\$ (288)	
25020039992	Shackamaxon Dr	Tekening to Tappan	\$ 258,125.00	Undersized	R (C)	8.0			
	Forman Dr	Pheasant to Nottingham	\$ 204,750.00	Undersized	R (C)	8.0			
25060025123	George, Phillips, Route 206	From Craven to Route 206	\$ 175,000.00	Undersized	R (C)	12.0			
25010036683	Railroad Street	Alpha to the end	\$ 302,050.00	Undersized	R (C)	15.1	January-15	\$ (21,398)	
	Tappan Ave	Wickom to Shawnee	\$ 135,625.00	Undersized	R (C)	7.0			
	2014/2015 Subtotal		\$ 12,229,525.00						
	Carpentersville to Kent Street	Knoll View and Mill Street	\$ 385,000.00	Undersized	R (C)	15.7			
	Hudson	Evelyn to Filmore	\$ 122,500.00	Undersized	R (C)	13.5			
25010024762	Francis & Henderson	Miller to Hudson	\$ 154,000.00	Undersized	R (C)	13.2	August-15	\$ 25,491	
	Whitehorse-Ham. Sq.	Nottingham Way to Rte 33	\$ 87,500.00	Undersized	R (C)	13.2			
	Gregory Dr.	Nottingham to dead end	\$ 110,250.00	Undersized	R (C)	13.0			
	East	East	\$ 106,750.00	Undersized	R (C)	13.0			
25030029945	Marshall	Blackhorse Pike to Pine	\$ 269,500.00	Undersized	R (C)	12.7			
25030027524	East Railroad, (Inc. in 27523)	Lake to Central	\$ -	Undersized	R (C)	12.0			
	Ann	Sayre to Green	\$ 315,000.00	Undersized	R (C)	11.0			
	Jonathon/Daniels	End to End	\$ 350,000.00	Undersized	R (C)	11.0			
	Yardville-Ham. Sq.	Nottingham Way to Rte 33	\$ 183,750.00	Undersized	R (C)	11.0			
25030029942	Cleveland	Blackhorse Pike to Washington	\$ 210,000.00	Undersized	R (C)	11.0			
	Hillcrest	Hortman to Frankford	\$ 428,750.00	Undersized	R (C)	10.4			
	Heckman	Chambers to Firth	\$ 297,500.00	Undersized	R (C)	10.2			
	Route 173	Medex to Bridge	\$ 367,500.00	Undersized	R (C)	10.0			
	Cannon	End to End	\$ 350,000.00	Undersized	R (C)	10.0			
	Whitehorse-Ham. Sq.	South of Nottingham	\$ 70,000.00	Undersized	R (C)	10.0			
	Shady Ln.	Trenton Ave. to Estates Blvd.	\$ 73,500.00	Undersized	R (C)	10.0			
25010024763	Glen	Filmore to Schultz	\$ 218,750.00	Undersized	R (C)	9.8	July-15		\$ 50,000
	Summit	Morris to Chambers	\$ 490,000.00	Undersized	R (C)	9.8			
25020025106	Nottingham Way	Paxson to Park	\$ 245,000.00	Undersized	R (C)	9.0			
	South Main/North Main	End to End	\$ 612,500.00	Undersized	R (C)	9.0			
25010028059	Bennett	Chambers to Morris	\$ 236,250.00	Undersized	R (C)	9.0			
	Tyndall	Brainard to So. Main	\$ 52,500.00	Undersized	R (C)	9.0			
	Mercer	East of Mckeen	\$ 92,750.00	Undersized	R (C)	9.0			
	Miller	Morris to Marshall	\$ 297,500.00	Undersized	R (C)	9.0			
	Railroad	Heckman to Marshall	\$ 122,500.00	Undersized	R (C)	9.0			
	Warren	Marshall to Irwin	\$ 113,750.00	Undersized	R (C)	9.0			
	Irwin	Filmore to Henderson	\$ 245,000.00	Undersized	R (C)	9.0			
	North Street	Church to Gardiner	\$ 367,500.00	Undersized	R (C)	9.0			
	Liberty	Shimer to Bliss	\$ 280,000.00	Undersized	R (C)	9.0			
	Sunset Road	Long to Orchard	\$ 122,500.00	Undersized	R (C)	9.0			
	Orchard Lane	Long to Church	\$ 157,500.00	Undersized	R (C)	9.0			
	Shore Boulevard	m. Creek to End	\$ 420,000.00	Undersized	R (C)	9.0			
	West Church Road		\$ 157,500.00	Undersized	R (C)	9.0			

**Appendix 1
Hydraulic Improvement Project List**

Identification Number (Activity Number)	Street	LoACption Parameters	Estimated Cost	Performance Criteria	Renewal Method	Score	In Service Date	DSIC Costs Placed In Service (September 2015 - February 2016)	Base Spending Costs Placed In Service (September 2015 - February 2016)
25030029941	Harrison	Church to Prospect	\$ 210,000.00	Undersized	R (C)	9.0			
25030029943	New Jersey	Church to Lake	\$ 140,000.00	Undersized	R (C)	9.0	August-15	\$ 50,596	
	State	Lake to Carol	\$ 192,500.00	Undersized	R (C)	8.8			
	Dearbourne	High to End	\$ 449,750.00	Undersized	R (C)	8.3			
	Lehigh	Drexel to Hillcrest	\$ 70,000.00	Undersized	R (C)	8.2			
25030064392	Taranto	Taranto	\$ 140,000.00	Undersized	R (C)	8.1	November-14	\$ 20,798	
	Paxson	Edinburg to North of Abbott	\$ 350,000.00	Undersized	R (C)	8.0			
	2016/2017 Subtotal		\$ 9,665,250.00						
25020028056	Paxson	Edinburg to North of Abbott	\$ 350,000.00	Undersized	R (C)	8.0			
	Brown Dr	Nottingham to Pheasant	\$ 218,750.00	Undersized	R (C)	8.0			
	Baltusrol St	Wickom Loop	\$ 287,000.00	Undersized	R (C)	8.0			
25020043366	Wickom Ave	Shawee to Green Briar	\$ 462,000.00	Undersized	R (C)	8.0			
	Tudor Ave	Chelsea to End	\$ 280,000.00	Undersized	R (C)	8.0			
	Coronet Ct.	Estates Blvd. to dead end	\$ 39,375.00	Undersized	R (C)	8.0			
	Rte. 33	Yard. Ham. Sq. to Endicott	\$ 201,250.00	Undersized	R (C)	8.0			
	Theresa	Church to South	\$ 77,000.00	Undersized	R (C)	8.0			
25030029947	Adriene	Adriene	\$ 271,250.00	Undersized	R (C)	8.0			
	Carol	Carol	\$ 274,750.00	Undersized	R (C)	8.0			
	Cecilia	Indiana to State	\$ 341,250.00	Undersized	R (C)	8.0			
	Cornell	Cornell	\$ 141,750.00	Undersized	R (C)	8.0			
25030043365	Cressmont	Blackhorse Pike to End	\$ 516,250.00	Undersized	R (C)	8.0	July-15	\$ 229,453	
25030043364	Drexel	Blackhorse Pike to State	\$ 411,250.00	Undersized	R (C)	8.0	May-15		\$ 33,005
	Fairmount	High to State	\$ 315,000.00	Undersized	R (C)	8.0			
	Fay Ann	Fay Ann	\$ 187,250.00	Undersized	R (C)	8.0			
	Hortman	Drexel to Hillcrest	\$ 113,750.00	Undersized	R (C)	8.0			
	Vassar	Vassar Pl.	\$ 17,500.00	Undersized	R (C)	8.0			
25030029300	Presidential		\$ 210,000.00	Undersized	R (C)	8.0	January-15	\$ 29,135	
	Mario Dr & Well Dr	Brown to Nottingham	\$ 257,250.00	Undersized	R (C)	7.9			
	Maguire Rd	Forman to Brown	\$ 150,500.00	Undersized	R (C)	7.0			
	Pheasant Lane	Baltusrol to Brown	\$ 91,875.00	Undersized	R (C)	7.0			
	Barry Way	Off Philrich Road	\$ 61,250.00	Undersized	R (C)	7.0			
	Jerome	Jerome	\$ 141,750.00	Undersized	R (C)	7.0			
	Mathews	Drexel to Hillcrest	\$ 87,500.00	Undersized	R (C)	7.0			
	South	South	\$ 231,000.00	Undersized	R (C)	7.0			
	Trinity	Indiana to Cecilia	\$ 201,250.00	Undersized	R (C)	7.0			
	Bordentown-Crosswicks	Bend in Road to Adelpia	\$ 350,000.00	Undersized	R (C)	6.0			
	School Dr. (Windsor)	Main St. to Church St.	\$ 128,625.00	Undersized	R (C)	6.0			
	Mill Creek Road	Route 9 to Chelsea	\$ 892,500.00	Undersized	R (C)	5.6			
	Whitehorse Ham. Sq. Rd.	Estates Blvd. to Klockner	\$ 350,000.00	Undersized	R (C)	5.0			
	Whitehorse Ham. Sq. Rd	Shoprite to Rte. 33	\$ 175,000.00	Undersized	R (C)	5.0			
25030029946	Estelle	Cressmont to Drexel	\$ 113,750.00	Undersized	R (C)	4.0			
	State	Carol to Hillcrest	\$ 236,250.00	Undersized	R (C)	4.0			
	Chamber Farms Rd	WMG	\$ 105,000.00	Grid	R (C)	N/A			
	John F Kennedy	WMG	\$ 35,000.00	Grid	R (C)	N/A			
	Pheasant Drive	WMG	\$ 35,000.00	Grid	R (C)	N/A			
	Line and Meadowbrook	WMG	\$ 1,225,000.00	Grid	R (C)	N/A			
	Lawrenceville Pennington	WMG	\$ 315,000.00	Grid	R (C)	N/A			
	Denow	WMG	\$ 280,000.00	Grid	R (C)	N/A			

**Appendix 1
Hydraulic Improvement Project List**

Identification Number (Activity Number)	Street	LoACption Parameters	Estimated Cost	Performance Criteria	Renewal Method	Score	In Service Date	DSIC Costs Placed In Service (September 2015 - February 2016)	Base Spending Costs Placed In Service (September 2015 - February 2016)
	Elder Past Sergeant towards Roseberry	WMG	\$ 140,000.00	Grid	R (C)	N/A			
	Green	MWG- Center to past Pursel	\$ 297,500.00	Grid	R (C)	N/A			
	Corliss	Sergeant to Roseberry	\$ 245,000.00	Grid	R (C)	N/A			
25030025184	Hider to Chews Landing	WMG	\$ 262,500.00	Grid	R (C)	N/A			
25030025183	New Brooklyn Creek Connection	WMG	\$ 35,000.00	Grid	R (C)	N/A			
25020025181	Woodside	WMG	\$ 210,000.00	Grid	R (C)	N/A			
	West Railroad	WMG (Fanelli to 4" P)	\$ 122,500.00	Grid	R (C)	N/A			
	Lower Landing Road	Grid from Poplar to past Apple	\$ 105,000.00	Grid	R (C)	N/A			
	Cross Keys	WMG (Aberdeen to New Brooklyn)	\$ 140,000.00	Grid	R (C)	N/A			
	Cross Keys	WMG (Lowes to Route 704)	\$ 105,000.00	Grid	R (C)	N/A			
	County House New Brooklyn	hickstown to S. Garwood	\$ 315,000.00	Grid	R (C)	N/A			
	Hicktown to Cheesman	WMG	\$ 175,000.00	Grid	R (C)	N/A			
	Hickstown Little mill to Porter	WMG	\$ 350,000.00	Grid	R (C)	N/A			
	Peter Cheeseman	WMG to Garwood	\$ 91,875.00	Grid	R (C)	N/A			
	Edgebrook Road	WMG	\$ 245,000.00	Grid	R (C)	N/A			
	Route 33	Herbert to Paxson Ave	\$ 70,000.00	Retire 6"	N/A	N/A			
	Herbert	Nottingham to Route 33	\$ 175,000.00	Retire 4"	N/A	N/A			
	Hickory Lane	Colton Court to Route 9 - WMG	\$ 157,500.00	Grid	R (C)	N/A			
	2018/2019 Subtotal		\$ 10,861,375.00				Grand Total	\$ 506,158	\$ 356,644

**Appendix 2
Rehabilitation Project List**

Location Parameters Portions of Area Portions of Development	Township	Original Size 2 1/2"	Original Material	Agg/Ers	Length	Proposed Size	Proposed Material	Estimated Service Date	Estimated Cost	Performance Criteria	Reviews Method	Score	In Service Date	DCIC Costs Placed in Service (September 2016) - February 2016)	Base Spending Costs Placed in Service (September 2015 - February 2016)
	Gloucester	4	GAL	1973	3000	8	CLDP	2014/2015	\$ 525,000.00	Main Breaks & Leaks/mile	RIC	11.4	September-14	\$ 15,896	
	Gloucester	4	PVC	1973	2500	8	HDP	2014/2015	\$ 487,500.00	Main Breaks & Leaks/mile	RIC	18.1	September-14	\$ 132,129	
	North Haverhill	2	GAL	1960	3000	6	PVC	2014/2015	\$ 525,000.00	Pipe Ownership Neglect	RIC	N/A	July-15		\$ [159,337]
	Phillipsburg	2	MAHC	1960	5000	6	CLDP	2016/2017	\$ 875,000.00	Main Breaks & Leaks/mile	RIC	23.8	September-14		
	Phillipsburg	10	CI	Unknown	900	12	CLDP	2016/2017	\$ 157,500.00	Main Breaks & Leaks/mile	RIC	16.9			
Sage to Columbus	Phillipsburg	14	CI	1972	1700	16	CLDP	2016/2017	\$ 210,000.00	Main Breaks & Leaks/mile	RIC	13.0			
Robbin, Allen, Rte. to 12"	Phillipsburg	8"	CI	1972	750	12	CLDP	2016/2017	\$ 43,750.00	Main Breaks & Leaks/mile	RIC	13.0			
Baltimore to Edwards	Phillipsburg	Various	CI	1960	9000	8	CLDP	2016/2017	\$ 1,575,000.00	Main Breaks & Leaks/mile	RIC	7.3			
	Lopatcong	6	CI	1963	1500	8	CLDP	2016/2017	\$ 167,500.00	Main Breaks & Leaks/mile	RIC	8.1			
Nelson to Stanley	Pohatcong	4/8	CI	1963	850	8	CLDP	2016/2017	\$ 148,750.00	Main Breaks & Leaks/mile	RIC	7.7			
Roseberry to Pickford	Lopatcong	6	CI		930	8	CLDP	2016/2017	\$ 167,750.00	Main Breaks & Leaks/mile	RIC	7.3			
	Phillipsburg	10	CI		500	8	CLDP	2016/2017	\$ 87,500.00	Main Breaks & Leaks/mile	RIC	6.7			
South of Baltimore	Phillipsburg	6	CI	1967	1100	8	CLDP	2016/2017	\$ 227,500.00	Main Breaks & Leaks/mile	RIC	9.0			
End to End	Phillipsburg	10	CI	1913/1947	1550	12	CLDP	2016/2017	\$ 271,750.00	Main Breaks & Leaks/mile	RIC	6.8			
Swainscroft Apts to Lincoln	Phillipsburg	8	CI	1968	2000	12	CLDP	2016/2017	\$ 350,000.00	Main Breaks & Leaks/mile	RIC	10.0			
River to Mitzem	Phillipsburg	6	CI	1913	2700	8	CLDP	2016/2017	\$ 385,000.00	Main Breaks & Leaks/mile	RIC	7.9			
Green to Columbus	Phillipsburg	10	CI	1918	800	12	CLDP	2016/2017	\$ 1,895,250.00	Main Breaks & Leaks/mile	RIC	8.0			
End to End	Gloucester	6	CI		500	8	CLDP	2016/2017	\$ 87,500.00	Main Breaks & Leaks/mile	RIC	10.1			
End to End	Gloucester	8	CI		2500	8	CLDP	2016/2017	\$ 437,500.00	Main Breaks & Leaks/mile	RIC	5.6			
Cole to Oak	Gloucester	8	CI	1971	1600	12	CLDP	2016/2017	\$ 280,000.00	Main Breaks & Leaks/mile	RIC	9.2			
	Harmony	2	GAL		2000	6	CLDP	2016/2017	\$ 350,000.00	Pipe Ownership Neglect	RIC	N/A			
Look to Shawer	Phillipsburg	12	GAL	1945	1000	12	CLDP	2016/2017	\$ 175,000.00	Main Breaks & Leaks/mile	RIC	6.1			
Rt. 33 to Earl Sandburg	Hamilton	8	ACP	1958	2500	8	CLDP	2016/2017	\$ 437,500.00	Main Breaks & Leaks/mile	RIC	7.6			
Rt. 33 to Remmore	Hamilton	8	ACP	1958	1100	8	CLDP	2016/2017	\$ 197,500.00	Main Breaks & Leaks/mile	RIC	5.0			
Tutor to Mill Creek	Berkeley	8	ACP	1958	2000	12	CLDP	2016/2017	\$ 197,500.00	Main Breaks & Leaks/mile	RIC	5.2			
Gateway to Whitehorse Farm, S4	Hamilton	6"	ACP	1957	1100	8	CLDP	2016/2017	\$ 197,500.00	Main Breaks & Leaks/mile	RIC	6.0			
Carl Sandburg to across creek	Hamilton	8"	ACP	1958	300	8	CLDP	2016/2017	\$ 52,500.00	Main Breaks & Leaks/mile	RIC	6.0			
													Grand Total	\$ [15,223]	\$ [148,537]

Appendix 3a
Un-reimbursed Water Main Relocation List

Street	Township	Original Size	Original Material	Age/Era	Length	Proposed Site	Proposed Material	Estimated In Service Date	Estimated Cost	Performance Criteria	Renewal Method	In Service Date	DSC Costs Placed in Service (September 2015 - February 2016)	Base Spending Costs Placed in Service (September 2015 - February 2016)	
McGeorge	Berkeley	8"	ACP	7	500	8	CLDIP	2015	\$ 45,000.00	Mandated	Relocate				
Ronald Ave Relocations	Berkeley	6" - 16"	Various	Various	700' 8" - 16"		CLDIP	2014/2015	\$ 100,000.00	Mandated	Relocate		\$ 370,117.00		
Utility Relocations	Hamilton	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2014/2015	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Lawrenceville	6" - 16"	Various	Various	100' 8" - 16"		CLDIP	2014/2015	\$ 7,500.00	Mandated	Relocate				
Utility Relocations	Robbinsville	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2014/2015	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Chesterfield	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2014/2015	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Gloucester	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2014/2015	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Phillipsburg	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2014/2015	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Phillipsburg	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2014/2015	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Lopcatong	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2014/2015	\$ 50,000.00	Mandated	Relocate	August 15		\$ 308,093.00	
Utility Relocations	Greenwich	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2014/2015	\$ 50,000.00	Mandated	Relocate				
Utility Relocations	Pohatcong	6" - 16"	Various	Various	100' 8" - 16"		CLDIP	2014/2015	\$ 10,000.00	Mandated	Relocate				
									\$ 377,500.00						
2014/2015 Subtotal															
Utility Relocations	Hamilton	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2016/2017	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Lawrenceville	6" - 16"	Various	Various	100' 8" - 16"		CLDIP	2016/2017	\$ 7,500.00	Mandated	Relocate				
Utility Relocations	Robbinsville	8" - 16"	Various	Various	500' 8" - 16"		CLDIP	2016/2017	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Chesterfield	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2016/2017	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Gloucester	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2016/2017	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Phillipsburg	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2016/2017	\$ 50,000.00	Mandated	Relocate				
Utility Relocations	Lopcatong	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2016/2017	\$ 50,000.00	Mandated	Relocate				
Utility Relocations	Greenwich	6" - 16"	Various	Various	100' 8" - 16"		CLDIP	2016/2017	\$ 10,000.00	Mandated	Relocate				
Utility Relocations	Pohatcong	6" - 16"	Various	Various	100' 8" - 16"		CLDIP	2016/2017	\$ 10,000.00	Mandated	Relocate				
									\$ 277,500.00						
2016/2017 Subtotal															
Utility Relocations	Hamilton	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2018/2019	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Lawrenceville	6" - 16"	Various	Various	100' 8" - 16"		CLDIP	2018/2019	\$ 7,500.00	Mandated	Relocate				
Utility Relocations	Robbinsville	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2018/2019	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Chesterfield	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2018/2019	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Gloucester	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2018/2019	\$ 37,500.00	Mandated	Relocate				
Utility Relocations	Phillipsburg	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2018/2019	\$ 50,000.00	Mandated	Relocate				
Utility Relocations	Lopcatong	6" - 16"	Various	Various	500' 8" - 16"		CLDIP	2018/2019	\$ 50,000.00	Mandated	Relocate				
Utility Relocations	Greenwich	6" - 16"	Various	Various	100' 8" - 16"		CLDIP	2018/2019	\$ 10,000.00	Mandated	Relocate				
Utility Relocations	Pohatcong	6" - 16"	Various	Various	100' 8" - 16"		CLDIP	2018/2019	\$ 10,000.00	Mandated	Relocate				
									\$ 277,500.00				\$ 370,117.00	\$ 308,093.00	
2018/2019 Subtotal															
Grand Total													\$	\$ 370,117.00	\$ 308,093.00

Appendix 2b
Cleaning and Levelling Project List

Understation Number (Activity Region)	Project Name	Operation Parameters Under Turf	Township Location	Original Size (m ²)	Original Material	Length (m)	Proposed Size (m ²)	Proposed Material	Estimated in Service Date	Estimated Cost	Performance Criteria	Reveal Method	Score	Trust Funded	In Service Date	DDCC Costs Placed in Service (March 2015 - August August 2015)	Base Spending Costs Placed in Service (March 2015 - August August 2015)
75020251D7	Blood Street 2014/2015		Philpottburg	78	C1	2,955	76	C1	20/02/2015	\$ 500,000.00	Low Presurf	12/11	18.0				
	Larsons Street 2014/2015		Philpottburg	16	C1	485	16	C1	20/02/2015	\$ 219,775.00	Gravel Service 16a	12/11	15.0				
	Corwin Street 2014/2015		Philpottburg	43.8	C1	2,115	43.8	C1	20/02/2015	\$ 219,215.00	Gravel Service 16a	12/11	15.0				
	Hopewell Road Lane 2014/2015		Philpottburg	18	C1	1,054	18	C1	20/02/2015	\$ 1,001,960.00	Gravel Service 16a	12/11	15.0				
										\$ 1,887,945.00							

Appendix 4
Service/Valve and Hydrant Renewal List

Project Type	Township	Original Size	Original Material	Age/Eco	Length	Proposed Size	Proposed Material	Estimated In Service Date	Estimated Cost	Performance Criteria	In Service Date	DSIC Costs Placed In Service (September 2015 - February 2016)	Base Spending in Service (September 2015 - February 2016)
Service Replacements	Hamilton	3/4" - 2"	Various	Various	9000	1" - 2"	Copper	2014/2015	\$ 675,000	Replacements	Various	\$ 5,799	
Service Replacements	Lawrenceville	3/4" - 2"	Various	Various	1000	1" - 2"	Copper	2014/2015	\$ 75,000	Replacements	Various	\$ 478,431	
Service Replacements	Robbinsville	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2014/2015	\$ 37,500	Replacements	Various	\$ 2,900	
Service Replacements	Chesterfield	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2014/2015	\$ 18,750	Replacements	Various	\$ 72,490	
Service Replacements	Gloucester	3/4" - 2"	Various	Various	9000	1" - 2"	Copper	2014/2015	\$ 675,000	Replacements	Various	\$ 397,243	
Service Replacements	Phillipsburg	3/4" - 2"	Various	Various	15000	1" - 2"	Copper	2014/2015	\$ 1,500,000	Replacements	Various	\$ 632,108	
Service Replacements	Lopcatong	3/4" - 2"	Various	Various	1000	1" - 2"	Copper	2014/2015	\$ 100,000	Replacements	Various		
Service Replacements	Greenwich	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2014/2015	\$ 50,000	Replacements	Various	\$ 371,146	
Service Replacements	Pohatcong	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2014/2015	\$ 50,000	Replacements	Various		
Service Replacements	Holland	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2014/2015	\$ 50,000	Replacements	Various		
Service Replacements	Califon	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2014/2015	\$ 25,000	Replacements	Various		
Service Replacements	Bunnvale	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2014/2015	\$ 25,000	Replacements	Various		
Service Replacements	Berkeley	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2014/2015	\$ 25,000	Replacements	Various	\$ 110,184	
2014/2015 Subtotal									\$ 3,356,250				
Service Replacements	Hamilton	3/4" - 2"	Various	Various	9000	1" - 2"	Copper	2016/2017	\$ 716,108	Replacements			
Service Replacements	Lawrenceville	3/4" - 2"	Various	Various	1000	1" - 2"	Copper	2016/2017	\$ 79,568	Replacements			
Service Replacements	Robbinsville	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2016/2017	\$ 39,784	Replacements			
Service Replacements	Chesterfield	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2016/2017	\$ 19,892	Replacements			
Service Replacements	Gloucester	3/4" - 2"	Various	Various	9000	1" - 2"	Copper	2016/2017	\$ 716,108	Replacements			
Service Replacements	Phillipsburg	3/4" - 2"	Various	Various	15000	1" - 2"	Copper	2016/2017	\$ 1,591,350	Replacements			
Service Replacements	Lopcatong	3/4" - 2"	Various	Various	1000	1" - 2"	Copper	2016/2017	\$ 100,000	Replacements			
Service Replacements	Greenwich	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2016/2017	\$ 50,000	Replacements			
Service Replacements	Pohatcong	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2016/2017	\$ 50,000	Replacements			
Service Replacements	Holland	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2016/2017	\$ 50,000	Replacements			
Service Replacements	Califon	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2016/2017	\$ 25,000	Replacements			
Service Replacements	Bunnvale	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2016/2017	\$ 25,000	Replacements			
Service Replacements	Berkeley	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2016/2017	\$ 75,000	Replacements			
2016/2017 Subtotal									\$ 3,537,808				
Service Replacements	Hamilton	3/4" - 2"	Various	Various	9000	1" - 2"	Copper	2018/2019	\$ 759,718	Replacements			
Service Replacements	Lawrenceville	3/4" - 2"	Various	Various	1000	1" - 2"	Copper	2018/2019	\$ 84,413	Replacements			
Service Replacements	Robbinsville	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2018/2019	\$ 42,207	Replacements			
Service Replacements	Chesterfield	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2018/2019	\$ 21,103	Replacements			
Service Replacements	Gloucester	3/4" - 2"	Various	Various	9000	1" - 2"	Copper	2018/2019	\$ 759,718	Replacements			
Service Replacements	Phillipsburg	3/4" - 2"	Various	Various	15000	1" - 2"	Copper	2018/2019	\$ 1,591,350	Replacements			
Service Replacements	Lopcatong	3/4" - 2"	Various	Various	1000	1" - 2"	Copper	2018/2019	\$ 100,000	Replacements			
Service Replacements	Greenwich	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2018/2019	\$ 50,000	Replacements			
Service Replacements	Pohatcong	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2018/2019	\$ 50,000	Replacements			
Service Replacements	Holland	3/4" - 2"	Various	Various	500	1" - 2"	Copper	2018/2019	\$ 50,000	Replacements			
Service Replacements	Califon	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2018/2019	\$ 25,000	Replacements			
Service Replacements	Bunnvale	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2018/2019	\$ 25,000	Replacements			
Service Replacements	Berkeley	3/4" - 2"	Various	Various	250	1" - 2"	Copper	2018/2019	\$ 75,000	Replacements			
2018/2019 Subtotal									\$ 3,633,510				
Grand Total											\$ 2,070,301	\$	

Appendix 4
Service/Valve and Hydrant Renewal List

Project Type	Township	Original Size	Material	Age/Era	Length	Proposed Size	Proposed Material	Estimated In Service Date	Estimated Cost	Performance Criteria	In Service Date	DSIC Costs Placed In Service (September 2015 - February 2016)	Base Spending Costs Service (September 2015 - February 2016)
Hydrant Replacements	Hamilton	Standard	Various	Various	20 6"		Mueller	2014/2015	\$ 70,000	Replacements	Various	\$ 23,106	
Hydrant Replacements	Lawrenceville	Standard	Various	Various	10 6"		Mueller	2014/2015	\$ 35,000	Replacements			
Hydrant Replacements	Robbinsville	Standard	Various	Various	5 6"		Mueller	2014/2015	\$ 17,500	Replacements			
Hydrant Replacements	Chesterfield	Standard	Various	Various	2 6"		Mueller	2014/2015	\$ 7,000	Replacements			
Hydrant Replacements	Gloucester	Standard	Various	Various	20 6"		Mueller	2014/2015	\$ 70,000	Replacements			
Hydrant Replacements	Phillipsburg	Standard	Various	Various	20 6"		Mueller	2014/2015	\$ 90,000	Replacements	Various	\$ 4,621	
Hydrant Replacements	Lopcatong	Standard	Various	Various	5 6"		Mueller	2014/2015	\$ 22,500	Replacements	Various	\$ 9,242	
Hydrant Replacements	Greenwich	Standard	Various	Various	5 6"		Mueller	2014/2015	\$ 22,500	Replacements			
Hydrant Replacements	Pohatcong	Standard	Various	Various	2 6"		Mueller	2014/2015	\$ 9,000	Replacements			
Hydrant Replacements	Holland	Standard	Various	Various	2 6"		Mueller	2014/2015	\$ 9,000	Replacements			
Hydrant Replacements	Calton	Standard	Various	Various	2 6"		Mueller	2014/2015	\$ 9,000	Replacements	Various	\$ 9,242	
Hydrant Replacements	Bunnvale	Standard	Various	Various	2 6"		Mueller	2014/2015	\$ 9,000	Replacements			
Hydrant Replacements	Berkeley	Standard	Various	Various	2 6"		Mueller	2014/2015	\$ 10,000	Replacements			
	2014/2015 Subtotal									\$ 394,000			
Hydrant Replacements	Hamilton	Standard	Various	Various	20 6"		Mueller	2016/2017	\$ 70,000	Replacements			
Hydrant Replacements	Lawrenceville	Standard	Various	Various	10 6"		Mueller	2016/2017	\$ 35,000	Replacements			
Hydrant Replacements	Robbinsville	Standard	Various	Various	5 6"		Mueller	2016/2017	\$ 17,500	Replacements			
Hydrant Replacements	Chesterfield	Standard	Various	Various	2 6"		Mueller	2016/2017	\$ 7,000	Replacements			
Hydrant Replacements	Gloucester	Standard	Various	Various	20 6"		Mueller	2016/2017	\$ 70,000	Replacements			
Hydrant Replacements	Phillipsburg	Standard	Various	Various	20 6"		Mueller	2016/2017	\$ 90,000	Replacements			
Hydrant Replacements	Lopcatong	Standard	Various	Various	5 6"		Mueller	2016/2017	\$ 22,500	Replacements			
Hydrant Replacements	Greenwich	Standard	Various	Various	5 6"		Mueller	2016/2017	\$ 22,500	Replacements			
Hydrant Replacements	Pohatcong	Standard	Various	Various	2 6"		Mueller	2016/2017	\$ 9,000	Replacements			
Hydrant Replacements	Holland	Standard	Various	Various	2 6"		Mueller	2016/2017	\$ 9,000	Replacements			
Hydrant Replacements	Calton	Standard	Various	Various	2 6"		Mueller	2016/2017	\$ 9,000	Replacements			
Hydrant Replacements	Bunnvale	Standard	Various	Various	2 6"		Mueller	2016/2017	\$ 9,000	Replacements			
Hydrant Replacements	Berkeley	Standard	Various	Various	2 6"		Mueller	2016/2017	\$ 10,000	Replacements			
	2016/2017 Subtotal									\$ 394,000			
Hydrant Replacements	Hamilton	Standard	Various	Various	20 6"		Mueller	2018/2019	\$ 70,000	Replacements			
Hydrant Replacements	Lawrenceville	Standard	Various	Various	10 6"		Mueller	2018/2019	\$ 35,000	Replacements			
Hydrant Replacements	Robbinsville	Standard	Various	Various	5 6"		Mueller	2018/2019	\$ 17,500	Replacements			
Hydrant Replacements	Chesterfield	Standard	Various	Various	2 6"		Mueller	2018/2019	\$ 7,000	Replacements			
Hydrant Replacements	Gloucester	Standard	Various	Various	20 6"		Mueller	2018/2019	\$ 70,000	Replacements			
Hydrant Replacements	Phillipsburg	Standard	Various	Various	20 6"		Mueller	2018/2019	\$ 90,000	Replacements			
Hydrant Replacements	Lopcatong	Standard	Various	Various	5 6"		Mueller	2018/2019	\$ 22,500	Replacements			
Hydrant Replacements	Greenwich	Standard	Various	Various	5 6"		Mueller	2018/2019	\$ 22,500	Replacements			
Hydrant Replacements	Pohatcong	Standard	Various	Various	2 6"		Mueller	2018/2019	\$ 9,000	Replacements			
Hydrant Replacements	Holland	Standard	Various	Various	2 6"		Mueller	2018/2019	\$ 9,000	Replacements			
Hydrant Replacements	Calton	Standard	Various	Various	2 6"		Mueller	2018/2019	\$ 9,000	Replacements			
Hydrant Replacements	Bunnvale	Standard	Various	Various	2 6"		Mueller	2018/2019	\$ 9,000	Replacements			
Hydrant Replacements	Berkeley	Standard	Various	Various	2 6"		Mueller	2018/2019	\$ 10,000	Replacements			
	2018/2019 Subtotal									\$ 394,000			
	Grand Total											\$ 46,212	

Appendix 4
Service/Valve and Hydrant Renewal List

Project Type	Township	Original Size	Original Material	Age/Era	Length	Proposed Size	Proposed Material	Estimated In Service Date	Estimated Cost	Performance Criteria	In Service Date	DSIC Costs Placed In Service (September 2015 - February 2016)	Base Spending Costs Placed In Service (September 2015 - February 2016)
Valve Replacements	Hamilton	Various	Various	Various	4	Various	Mueller	2014/2015	\$ 16,000	Replacements			
Valve Replacements	Lawrenceville	Various	Various	Various	3	Various	Mueller	2014/2015	\$ 12,000	Replacements			
Valve Replacements	Robbinsville	Various	Various	Various	2	Various	Mueller	2014/2015	\$ 8,000	Replacements			
Valve Replacements	Chesterfield	Various	Various	Various	4	Various	Mueller	2014/2015	\$ 16,000	Replacements			
Valve Replacements	Gloucester	Various	Various	Various	10	Various	Mueller	2014/2015	\$ 40,000	Replacements			
Valve Replacements	Phillipsburg	Various	Various	Various	2	Various	Mueller	2014/2015	\$ 8,000	Replacements			
Valve Replacements	Lopcatong	Various	Various	Various	2	Various	Mueller	2014/2015	\$ 8,000	Replacements			
Valve Replacements	Greenwich	Various	Various	Various	2	Various	Mueller	2014/2015	\$ 8,000	Replacements			
Valve Replacements	Pohatcong	Various	Various	Various	2	Various	Mueller	2014/2015	\$ 8,000	Replacements			
Valve Replacements	Holland	Various	Various	Various	1	Various	Mueller	2014/2015	\$ 4,000	Replacements			
Valve Replacements	Califon	Various	Various	Various	1	Various	Mueller	2014/2015	\$ 4,000	Replacements			
Valve Replacements	Bunnvale	Various	Various	Various	2	Various	Mueller	2014/2015	\$ 8,000	Replacements			
Valve Replacements	Berkeley	Various	Various	Various	2	Various	Mueller	2014/2015	\$ 10,000	Replacements			
2014/2015 Subtotal													
Valve Replacements	Hamilton	Various	Various	Various	4	Various	Mueller	2016/2017	\$ 16,000	Replacements			
Valve Replacements	Lawrenceville	Various	Various	Various	3	Various	Mueller	2016/2017	\$ 12,000	Replacements			
Valve Replacements	Robbinsville	Various	Various	Various	2	Various	Mueller	2016/2017	\$ 8,000	Replacements			
Valve Replacements	Chesterfield	Various	Various	Various	2	Various	Mueller	2016/2017	\$ 8,000	Replacements			
Valve Replacements	Gloucester	Various	Various	Various	4	Various	Mueller	2016/2017	\$ 16,000	Replacements			
Valve Replacements	Phillipsburg	Various	Various	Various	10	Various	Mueller	2016/2017	\$ 40,000	Replacements			
Valve Replacements	Lopcatong	Various	Various	Various	2	Various	Mueller	2016/2017	\$ 8,000	Replacements			
Valve Replacements	Greenwich	Various	Various	Various	2	Various	Mueller	2016/2017	\$ 8,000	Replacements			
Valve Replacements	Pohatcong	Various	Various	Various	2	Various	Mueller	2016/2017	\$ 8,000	Replacements			
Valve Replacements	Holland	Various	Various	Various	1	Various	Mueller	2016/2017	\$ 4,000	Replacements			
Valve Replacements	Califon	Various	Various	Various	1	Various	Mueller	2016/2017	\$ 4,000	Replacements			
Valve Replacements	Bunnvale	Various	Various	Various	2	Various	Mueller	2016/2017	\$ 8,000	Replacements			
Valve Replacements	Berkeley	Various	Various	Various	2	Various	Mueller	2016/2017	\$ 10,000	Replacements			
2016/2017 Subtotal													
Valve Replacements	Hamilton	Various	Various	Various	4	Various	Mueller	2018/2019	\$ 16,000	Replacements			
Valve Replacements	Lawrenceville	Various	Various	Various	3	Various	Mueller	2018/2019	\$ 12,000	Replacements			
Valve Replacements	Robbinsville	Various	Various	Various	2	Various	Mueller	2018/2019	\$ 8,000	Replacements			
Valve Replacements	Chesterfield	Various	Various	Various	2	Various	Mueller	2018/2019	\$ 8,000	Replacements			
Valve Replacements	Gloucester	Various	Various	Various	4	Various	Mueller	2018/2019	\$ 16,000	Replacements			
Valve Replacements	Phillipsburg	Various	Various	Various	10	Various	Mueller	2018/2019	\$ 40,000	Replacements			
Valve Replacements	Lopcatong	Various	Various	Various	2	Various	Mueller	2018/2019	\$ 8,000	Replacements			
Valve Replacements	Greenwich	Various	Various	Various	2	Various	Mueller	2018/2019	\$ 8,000	Replacements			
Valve Replacements	Pohatcong	Various	Various	Various	2	Various	Mueller	2018/2019	\$ 8,000	Replacements			
Valve Replacements	Holland	Various	Various	Various	1	Various	Mueller	2018/2019	\$ 4,000	Replacements			
Valve Replacements	Califon	Various	Various	Various	1	Various	Mueller	2018/2019	\$ 4,000	Replacements			
Valve Replacements	Bunnvale	Various	Various	Various	2	Various	Mueller	2018/2019	\$ 8,000	Replacements			
Valve Replacements	Berkeley	Various	Various	Various	2	Various	Mueller	2018/2019	\$ 10,000	Replacements			
2018/2019 Subtotal													
Grand Total												\$	
												\$ 150,000	