



Susan Simms Marsh

Deputy General Counsel

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VIA e-Filing

March 20, 2020

Rosemary Chiavetta, Secretary
Commonwealth of Pennsylvania
Pennsylvania Public Utility Commission
Commonwealth Keystone Building
400 North Street
Harrisburg, PA 17120

**Re: Pennsylvania-American Water Company (Utility Code 230073)
Wastewater Operations DSIC filing effective April 1, 2020**

Dear Secretary Chiavetta:

Attached please find the calculation for Pennsylvania-American Water Company's wastewater DSIC calculation effective April 1, 2020 for Tariff Wastewater-PA P.U.C. No. 16. Because the Company reached the DSIC wastewater cap of 5% for the DSIC rate effective January 1, 2020, there will be no change to the DSIC rate and it will remain capped at the 5% rate.

If you have any questions, please contact me.

Sincerely,

Susan Simms Marsh

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Attachment

cc. Office of Consumer Advocate w/Attachment
Bureau of Investigation and Enforcement w/Attachment
Office of Small Business Advocate w/Attachment
Bureau of Technical Utility Services w/Attachment
Marie Intrieri (Bureau of Technical Utility Services) w/Attachment
Audit Bureau w/Attachment

WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE

PA AMERICAN WATER

April 1, 2020

Applicable to :

Rate Zone 1 Districts - Coatesville, Claysville, Clean Treatment,
Clarion, Pocono, Lehman Pike, Winona Lakes, and Blue Mountain

PENNSYLVANIA AMERICAN WATER
WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE
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DESCRIPTION		SURCHARGE EFFECTIVE April 1, 2020
APPLICABLE NET ADDITIONS		\$11,920,522
LESS:		
ACCUMULATED DEPRECIATION		(128,289)
RETIREMENTS		290,292
NET RATE BASE INCLUDED IN DISTRIBUTION SYSTEM IMPROVEMENT CALCULATIONS	(DSI)	12,082,525
ANNUAL REVENUE REQUIREMENT RATE		9.76%
QUARTERLY REVENUE REQUIREMENT RATE	(PTRR)	2.44%
QUARTERLY CAPITAL COST RECOVERY	(DSI X PTRR)	294,814
QUARTERLY DEPRECIATION EXPENSE	(DEP)	48,911
REVENUE REQUIREMENT PRIOR TO ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR		343,725
ANNUAL RECONCILIATION	(e)	14,936
RECONCILIATION OF PRIOR YEAR E FACTOR		0
REVENUE REQUIREMENT FOR ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR		14,936
TOTAL QUARTERLY DISTRIBUTION SYSTEM IMPROVEMENT CHARGE REVENUE REQUIREMENT		358,661
MONTHLY RECOVERABLE AMOUNT FOR REVENUE REQUIREMENT		114,575
MONTHLY RECOVERABLE AMOUNT FOR ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR		4,979
BASE RATE REVENUE TO BE COLLECTED DURING APRIL THROUGH JUNE	(PQR)	4,349,441
CURRENT YEAR DISTRIBUTION SYSTEM IMPROVEMENT CHARGE		7.90%
ANNUAL RECONCILIATION AND PRIOR YEAR E FACTOR CHARGE		0.34%
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE	(DSIC)	8.24%
LESS: DISTRIBUTION SYSTEM IMPROVEMENT CHARGE - ADJUSTMENT TO CAP		-3.24%
DISTRIBUTION SYSTEM IMPROVEMENT CHARGE - CAP 5%		5.00%

TYPE	AMOUNT (\$000)	CAPITAL STRUCTURE	COST RATE	WEIGHTED AVERAGE COST RATE	REVENUE MULTIPLIER	REVENUE REQUIREMENT
DEBT	\$1,667,949	44.69%	4.53%	2.02%		2.02%
PREFERRED	2,852	0.08%	8.74%	0.01%	1.40631	0.01%
EQUITY	2,061,861	55.24%	9.95%	5.50%	1.40631	7.73%
TOTAL	\$3,732,662	100.00%		7.53%		9.76%

REVENUE MULTIPLIER BASED UPON CURRENTLY EFFECTIVE TAX RATES USED IN COMPANY'S MOST RECENT RATE FILING. EQUITY COST RATE TAKEN FROM COMMISSION'S MOST RECENT QUARTERLY EARNINGS REPORT. DEBT AND PREFERRED COST RATES AND CAPITAL STRUCTURE BASED UPON INFORMATION AS OF: 02/29/2019. PREFERRED STOCK AND DEBT FIGURES DO NOT REFLECT THE REQUIREMENTS OF FAS150.

ANTICIPATED REVENUES

April 2020	\$1,442,082
May	\$1,406,627
June	\$1,500,732
TOTAL	\$4,349,441

STATE ACCOUNT	DESCRIPTION	JANUARY 2019	FEBRUARY 2019	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	TOTAL
360000	Mains - Force	\$272,566	\$259,442	\$50,119	(\$2,433)	\$625,079	\$28,804	\$73	\$965,268	\$39,333	\$86,341	\$987,262	\$8,139	\$9,488	\$1,083	\$3,330,564
361100	Mains - Gravity	504,388	43,949	112,915	33,665	74,893	39,527	272,404	1,204,728	(112,351)	78,917	5,701,606	282,126	284,647	(26,159)	8,495,255
361200	Manholes									(1,211)	3	1,436	57	70	-	355
363000	Service Laterals	2,051	2,300	17,901	19,404	29,557	49,867	19,957	53,838	78,313	38,607	2,683	25,810	17,675	26,678	384,641
364000	Flow Measuring Devices															-
365000	Flow Measuring Installs															-
	ADDITIONS	779,004	305,691	180,935	50,636	729,529	118,198	292,434	2,223,834	4,084	203,868	6,692,987	316,132	311,880	1,602	12,210,814
	RETIREMENTS	(42,283)	-	-	-	-	-	(43,634)	(200,432)	-	(3,663)	(162)	-	(118)	-	(290,292)
	NET ADDITIONS	\$736,722	\$305,691	\$180,935	\$50,636	\$729,529	\$118,198	\$248,800	\$2,023,402	\$4,084	\$200,205	\$6,692,825	\$316,132	\$311,762	\$1,602	\$11,920,522

RETIREMENTS	JANUARY 2019	FEBRUARY 2019	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	TOTAL
360000	\$42,283														\$42,283
361000							43,634	200,432		2,621			118		246,805
363000										1,042					1,042
364000															-
365000											162				162
	\$42,283	\$0	\$0	\$0	\$0	\$0	\$43,634	\$200,432	\$0	3,663	162	\$0	\$118	\$0	\$290,292

PENNSYLVANIA AMERICAN WATER
WASTEWATER DISTRIBUTION SYSTEM IMPROVEMENT CHARGE
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STATE ACCOUNT	DESCRIPTION	DEPRECIATION RATE	JANUARY 2019	FEBRUARY 2019	MARCH 2019	APRIL 2019	MAY 2019	JUNE 2019	JULY 2019	AUGUST 2019	SEPTEMBER 2019	OCTOBER 2019	NOVEMBER 2019	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020	TOTAL
360000	Mains - Force	1.82%	\$1,240	\$1,180	\$228	-\$11	\$2,844	\$131	\$0	\$4,392	\$179	\$393	\$4,492	\$37	\$43	\$5	\$ 15,153
361100	Mains Gravity	1.45%	1,828	159	409	122	271	143	987	4,367	(407)	286	20,668	1,023	1,032	(95)	\$ 30,793
361200	Manholes	2.10%	0	0	0	0	0	0	0	0	(6)	0	8	-	-	-	\$ 2
363000	Service Laterals	3.08%	16	18	138	149	228	384	154	415	603	297	21	199	136	205	\$ 2,963
364000	Flow Measuring Devices	7.13%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
365000	Flow Measuring Installs	3.47%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	\$ -
	APPLICABLE DEPRECIATION																
	FIRST QTR 2019		3,084	1,357													4,441
	SECOND QTR 2019		3,084	1,357	775	260	3,343										8,819
	THIRD QTR 2019		3,084	1,357	775	260	3,343	658	1,141	9,174							19,792
	FOURTH QTR 2019		3,084	1,357	775	260	3,343	658	1,141	9,174	369	976	25,189				46,326
	FIRST QTR 2020		3,084	1,357	775	260	3,343	658	1,141	9,174	369	976	25,189	1,259	1,211	115	48,911
	ACCUMULATED DEPRECIATION		\$15,420	\$6,785	\$3,100	\$1,040	\$13,372	\$1,974	\$3,423	\$27,522	\$738	\$1,952	\$50,378	\$1,259	\$1,211	\$115	\$ 128,289

Pennsylvania-American Water Company - Total
Schedule of Debt
02/29/2019

Date of Issue	Date of Maturity	Amount Issued	Amount Outstanding	Coupon Rate	Annual Interest	Note #	Issuance Expense	Net Proceeds	Net Proceeds Ratio	Sinking Requirement	Percent to Total	Effective Cost Rate (1)	Weighted Cost Rate
Bonds and Notes													
11/1/2003	11/1/2033	\$38,000,000	\$38,000,000	6.78%	\$2,576,400		\$174,946	\$37,825,054	99.54%		2.28%	6.82%	0.1554%
9/1/2006	9/1/2026	150,000,000	\$150,000,000	7.80%	\$11,700,000		2,069,648	\$147,930,352	98.62%		8.99%	7.94%	0.7141%
1/15/2006	1/15/2021	20,000,000	\$20,000,000	9.69%	\$1,938,000		116,061	\$19,883,939	99.42%		1.20%	9.76%	0.1170%
11/1/2004	11/1/2031	10,000,000	\$10,000,000	8.82%	\$882,000		88,352	\$9,911,648	99.12%		0.60%	8.91%	0.0534%
8/1/2004	8/1/2025	10,000,000	\$10,000,000	8.15%	\$815,000		60,119	\$9,939,881	99.40%		0.60%	8.21%	0.0492%
1/31/2007	12/21/2021	100,300,000	\$45,135,000	5.77%	\$2,604,290		332,690	\$99,967,310	99.67%		2.71%	5.80%	0.1569%
12/21/2012	12/1/2042	23,015,000	\$23,015,000	4.30%	\$989,645	1	895,945	\$22,119,055	96.11%		1.38%	4.54%	0.0626%
12/17/2012	12/1/2042	45,000,000	\$45,000,000	4.30%	\$1,935,000	2	582,689	\$44,417,311	98.71%		2.70%	4.38%	0.1182%
11/21/2011	10/15/2037	35,000,000	\$35,000,000	5.05%	\$1,767,500		0	\$35,000,000	100.00%		2.10%	5.05%	0.1060%
11/21/2011	10/15/2037	15,500,000	\$15,500,000	5.05%	\$782,750		740,260	\$14,759,740	95.22%		0.93%	5.39%	0.0501%
11/20/2013	3/1/2024	67,000,000	\$67,000,000	3.85%	\$2,579,500		791,901	\$66,208,099	98.82%		4.02%	3.99%	0.1603%
8/14/2014	3/1/2025	36,200,000	\$36,200,000	3.40%	\$1,230,800		1,189,364	\$35,010,636	96.71%		2.17%	3.78%	0.0820%
8/14/2014	12/1/2042	65,700,000	\$65,700,000	4.30%	\$2,825,100		4,432,879	\$61,267,121	93.25%		3.94%	4.74%	0.1867%
8/10/2017	9/1/2047	240,000,000	\$240,000,000	3.75%	\$9,000,000		3,231,905	\$236,768,095	98.65%		14.39%	3.83%	0.5511%
9/13/2017	9/1/2027	101,426,171	\$101,426,171	2.95%	\$2,992,072	3	11,291,519	\$90,134,652	88.87%		6.08%	4.34%	0.2639%
8/9/2018	9/1/2028	74,739,360	\$74,739,360	3.75%	\$2,802,726		623,814	\$74,115,546	99.17%		4.48%	3.85%	0.1725%
8/9/2018	9/1/2048	227,489,000	\$227,489,000	4.20%	\$9,554,538		2,490,214	\$224,998,786	98.91%		13.64%	4.26%	0.5810%
9/11/2018	9/1/2028	124,719,875	\$124,719,875	3.75%	\$4,676,995	4	8,287,774	\$116,432,101	93.35%		7.48%	4.59%	0.3432%
5/23/2019	6/1/2029	110,000,000	\$110,000,000	3.45%	\$3,795,000		1,141,559	\$108,858,441	98.96%		6.59%	3.57%	0.2354%
6/21/2019	4/1/2039	80,000,000	\$80,000,000	3.00%	\$2,400,000	5	1,996,698	\$78,003,302	97.50%		4.80%	3.17%	0.1520%
12/12/2019	12/3/2029	80,000,000	\$80,000,000	2.45%	\$1,960,000	6	1,907,647	\$78,092,353	97.62%		4.80%	2.72%	0.1305%
12/12/2019	12/3/2029	13,165,000	\$13,165,000	2.45%	\$322,543	6	483,935	\$12,681,065	96.32%		0.79%	2.88%	0.0227%
Pennvest Loans													
7/1/2012	12/1/2022	3,945,656	646,087	2.77%	17,922	7	8,480	3,937,176	99.79%		0.04%	2.80%	0.0011%
7/1/2012	3/1/2022	3,366,155	443,830	3.24%	14,367	9	56,803	3,309,352	98.31%		0.03%	3.44%	0.0009%
7/1/2012	3/1/2022	3,623,800	477,642	3.24%	15,461	10	25,430	3,598,370	99.30%		0.03%	3.32%	0.0010%
7/1/2012	9/1/2022	4,322,665	684,059	3.24%	22,143	11	25,445	4,297,220	99.41%		0.04%	3.31%	0.0014%
7/1/2012	7/1/2024	1,559,205	334,703	2.77%	9,285	12	13,749	1,545,456	99.12%		0.02%	2.86%	0.0006%
7/1/2012	11/1/2024	5,721,348	1,415,909	1.16%	16,368	13	29,484	5,691,864	99.48%		0.08%	1.20%	0.0010%
7/1/2012	12/1/2025	5,670,111	1,426,861	2.76%	39,424	14	34,130	5,635,981	99.40%		0.09%	2.82%	0.0024%
7/1/2012	8/1/2024	5,240,631	1,372,047	2.77%	38,061	15	7,951	5,232,680	99.85%		0.08%	2.79%	0.0023%
7/1/2012	10/1/2024	3,099,441	828,730	2.43%	20,155	16	5,660	3,093,781	99.82%		0.05%	2.45%	0.0012%
7/1/2012	9/1/2029	2,359,891	1,234,491	2.55%	31,442	17	0	2,359,891	100.00%		0.07%	2.55%	0.0019%
7/1/2012	2/1/2031	12,150,000	7,255,132	2.69%	195,163	18	0	12,150,000	100.00%		0.43%	2.69%	0.0117%
7/1/2012	10/1/2032	9,936,500	6,888,478	3.12%	214,714	19	0	9,936,500	100.00%		0.41%	3.12%	0.0129%
7/1/2012	12/1/2031	1,606,709	1,048,816	3.10%	32,492	20	0	1,606,709	100.00%		0.06%	3.10%	0.0019%
7/1/2012	3/1/2041	1,724,610	1,308,755	1.00%	13,088	21	0	1,724,610	100.00%		0.08%	1.00%	0.0008%
7/1/2012	4/1/2031	1,675,790	1,179,726	2.81%	33,150	22	0	1,675,790	100.00%		0.07%	2.81%	0.0020%
7/1/2012	3/1/2032	1,273,465	748,565	2.69%	20,136	23	0	1,273,465	100.00%		0.04%	2.69%	0.0012%
3/22/2013	3/1/2033	1,378,357	919,497	2.20%	20,192	24	0	1,378,357	100.00%		0.06%	2.20%	0.0012%
4/1/2015	2/1/2037	15,833,700	13,330,346	1.00%	133,303	25	0	15,833,700	100.00%		0.80%	1.00%	0.0080%
10/15/2015	7/1/2040	123,663	104,160	1.00%	1,042	26	0	123,663	100.00%		0.01%	1.00%	0.0001%
10/15/2015	7/1/2040	969,823	816,873	1.00%	8,169	27	0	969,823	100.00%		0.05%	1.00%	0.0005%
4/21/2016	11/1/2026	2,141,062	1,558,304	1.36%	21,193	28	0	2,141,062	100.00%		0.09%	1.36%	0.0013%
12/29/2016	11/1/2037	7,785,187	6,819,437	1.00%	68,194	29	0	7,785,187	100.00%		0.41%	1.00%	0.0041%
6/14/2017	11/1/2036	5,549,947	5,016,970	1.44%	72,244	30	0	5,549,947	100.00%		0.30%	1.44%	0.0043%
		\$1,768,312,123	\$1,667,948,826		\$71,187,567		\$43,137,050	\$1,725,175,073		\$0	100.00%		4.53%

Pennsylvania-American Water Company - Total
Schedule of Debt
02/29/2019

Notes to Debt Schedule

- (1) Re-issuance 12/21/12 from Parent at a coupon rate of 4.30% for 30 years
- (2) New unsecured borrowing at a coupon rate of 4.30% for 30 years
- (3) Issuances costs included make whole premium of \$10M
- (4) Issuances costs included make whole premium of \$7.2M
- (5) Refinanced June 2019 at a lower rate for the remaining term of the bond
- (6) Refinanced Dec 2019 at a lower rate for the remaining term of the bond
- (7) Eldersville, Jefferson, and Crosscreek, interest 1.387% for first 70 months and 2.774% (12/2007) for remainder
- (9) Strattanville Pennvest Loan. Interest 1.619% from 2002 to 2007 and 3.237% starting March 2007
- (10) Franklin Township. Interest 1.619% from 2002 to 2007 and 3.237% starting April 2007
- (11) Jackson Township. Interest 1.619% from 2001 to 2006 and 3.237% starting Oct 2007
- (12) Farmington Twp., Interest rate 1.387% for first 70 months and 2.774% (07/2009) for remainder
- (13) Sandy Ridge, Interest rate 1.000% for first 60 months and 1.156% (07/2010) for remainder
- (14) Sligo/Shippenville, Interest rate 1.385% for first 86 months and 2.763% (06/2013) for remainder
- (15) Ellwood/Butler Interconnect, Interest rate 1.387% for first 74 months and 2.774% (08/2009) for remainder
- (16) Mahoning & Union Twp, Interest rate 1.305% for first 82 months and 2.432% (10/2009) for remainder
- (17) Hanover & Collier 1.274% first 2009 - 2014 and 2.547% starting Oct 2014
- (18) Mount Pleasant Water System Extension 1.559% first 2011 - 2016 and 2.69% starting March 2016
- (19) Rock Run WTP 2.414% first 2011 - 2016 and 3.117% starting Dec 2017
- (20) Silver Spring Clearwell 2.376% first 2012 - 2016 and 3.098% starting Jan 2017
- (21) Wallaceeton Municipal Authority 1.00% for 30 years starting March 2012
- (22) Pittsburgh Meter Improvements 1.799% first 2012 - 2017 and 2.81% starting April 2017
- (23) Pittsburgh Meter Improvement Project Phase II 1.559% first 60 months and 2.69% starting May 2016
- (24) Southwest PA Pipeline Exts Phase II - Interest 1.591% first 5 years - 2.196% starting April 2018
- (25) Clarion WW Act 537 Implementation Project - Interest rate is 1.0% for the life of the loan
- (26) Paint Twp #1 - Interest rate is 1% for the remaining life of the Bond
- (27) Paint Twp #2 - Interest rate is 1% for the remaining life of the Bond
- (28) Fairview Water Main Extension - Interest rate is 1.356% for the first 5 years, 1.985% April 2021 for remaining 5 years
- (29) Debt assumed as part of Scranton Sewer acquisition
- (30) Washington County Main Extension Project - Interest rate is 1.439% until Oct 2021 - 2.027% for the remaining term

PENNSYLVANIA AMERICAN WATER COMPANY
SCHEDULE OF PREFERRED STOCK
02/29/2019

DATE OF ISSUE	DATE OF MATURITY	SHARES ISSUED	SHARES OUTSTANDING	AMOUNT ISSUED	AMOUNT OUTSTANDING	EXPENSE	NET PROCEEDS	DIVIDEND RATE	SINKING REQUIR.	PERCENT TO TOTAL	EFFECTIVE COST RATE	WEIGHTED COST RATE
23-Apr-71	---	3,000	1,780	\$300,000	\$178,000	\$5,473	\$294,527	9.75%		6.24%	9.96%	0.62%
23-Apr-71	---	4,250	2,735	425,000	273,500	7,275	417,725	9.35%		9.59%	9.54%	0.92%
21-Nov-91	---	120,000	24,000	12,000,000	2,400,000	82,714	11,917,286	8.49%		84.17%	8.55%	7.20%
		127,250	28,515	\$12,725,000	\$2,851,500	\$95,462	\$12,629,538			100.00%		8.74%

PENNSYLVANIA AMERICAN WATER COMPANY
 2020 FORECASTED WASTEWATER REVENUES
NO DSIC OR STAS

	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
RES	734,148	916,571	769,646	833,318	832,336	885,740	887,663	831,445	909,533	774,385	881,696	841,050	10,097,531
COM	152,266	163,159	154,584	161,082	160,949	157,017	159,650	375,254	179,112	191,863	170,448	140,971	2,166,355
IND	63,496	66,054	61,246	68,364	60,954	66,492	61,220	65,762	53,184	58,473	38,623	36,699	700,567
PUB AUTH	40,043	49,688	52,182	58,611	44,565	37,129	33,647	42,259	50,148	50,110	38,600	41,243	538,225
BULK	221,672	260,101	330,958	320,707	307,823	354,354	281,871	331,300	470,771	437,049	436,279	471,764	4,224,649
	1,211,625	1,455,573	1,368,616 4,035,814	1,442,082	1,406,627	1,500,732 4,349,441	1,424,051	1,646,020	1,662,748 4,732,819	1,511,880	1,565,646	1,531,727 4,609,253	17,727,327 17,727,327

PENNSYLVANIA AMERICAN WATER COMPANY
 QUALIFYING WASTEWATER DSIC EXPENDITURES
 TRANSFERRED AMOUNTS
 December 2019 - February 2020

WORK ORDER	STATE ACCOUNT	WBS ELEMENT (WORK ORDER)	DECEMBER 2019	JANUARY 2020	FEBRUARY 2020
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0002	\$ 294	\$ 6	\$ -
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0007	-	1	-
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.18-P-0009	871	254	-
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0002	1,527	72	-
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0004	3	168	-
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0005	(1,344)	2,926	-
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0006	(191)	6,096	-
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0007	2,387	(4,086)	912
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0008	169	(145)	-
REPLACE COLLECTION MAINS - FORCE	360000	R24-47B1.19-P-0009	4,423	3,649	-
REPLACE COLLECTION MAINS - FORCE	360000	R24-67C1.20-P-0001	-	547	171
TOTAL - REPLACE COLLECTION MAINS - FORCE			\$ 8,139	\$ 9,488	\$ 1,083
REPLACE COLLECTIONS MAINS - GRAVITY	361100	I24-670008-01	\$ 109,109	\$ 192,596	\$ 916
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47B1.18-P-0008	128,262	6,599	3,150
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47B1.19-P-0010	497	7,552	(249)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47E1.17-P-0002	24,980		
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-47H1.20-P-0001			2,735
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0001			(10,501)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0002			(3,394)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0003			(8,742)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0005			(11,952)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.18-P-0006			(5,192)
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0001	447	545	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0002	(260)	211	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0003	857	262	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0004	328	228	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0005	298	218	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0006	1,602	(478)	2,170
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0007	(500)	598	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-58B1.19-P-0008	1,716	107	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0006	(4,102)	(79)	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.18-P-0010	11	666	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.19-P-0001	18,796	61,968	690
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.19-P-0002	27	5,117	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67B1.19-P-0003	58	8,537	
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-67C1.20-P-0001			3,781
REPLACE COLLECTIONS MAINS - GRAVITY	361100	R24-69C1.20-P-0001			429
TOTAL COLLECTION MAINS			\$ 282,126	\$ 284,647	\$ (26,159)
REPLACE MANHOLES	361200	R24-58B1.19-P-0001	\$ 57	\$ 70	\$ -
TOTAL SERVICE LATERALS			\$ 57	\$ 70	\$ -
REPLACE SERVICE LATERALS	363000	R24-58H1.19-P-0001	\$ 5,948	\$ 165	\$ -
REPLACE SERVICE LATERALS	363000	R24-67H1.19-P-0001	19,862	17,510	
REPLACE SERVICE LATERALS	363000	R24-67H1.20-P-0001			19,146
REPLACE SERVICE LATERALS	363000	R24-69H1.20-P-0001			7,532
TOTAL SERVICE LATERALS			\$ 25,810	\$ 17,675	\$ 26,678
TOTAL DSIC EXPENDITURES			\$ 316,132	\$ 311,880	\$ 1,602