

SOUTHWEST METROPOLITAN WATER & SANITATION

FACILITY OWNERSHIP STATISTICAL REPORT YEAR ENDING DECEMBER 31, 2018

Water

Miles of Water Main Installed in 2018	1.12
No. of Isolation Valves Installed in 2018	35
No. of Blow-off Valves Installed in 2018.....	0
No. of Fire Hydrants Installed in 2018	16
Miles of Water Main in System as of 12/31/2018	172.77
No. of Isolation Valves in System as of 12/31/2018	3,221
No. of Blow-off Valves in System as of 12/31/2018	442
No. of Fire Hydrants in System as of 12/31/2018	1,561

Sewer

Miles of Sewer Main Installed in 2018	2.84
Miles of Sewer Main in System as of 12/31/2018	163.24
No. of Manholes as of 12/31/2018	4,790
No. of Cleanouts as of 12/31/2018	14

FACILITY OWNERSHIP STATISTICAL REPORT

YEAR ENDING DECEMBER 31, 2018

WATER FACILITIES

<u>Size</u>	<u>Type</u>	<u>Total</u> <u>12/31/2017</u>	<u>Add</u>	<u>Subtract</u>	<u>Total</u> <u>12/31/2018</u>
PIPE:					
4"	ACP	2,938			2,938
4"	CIP	290			290
4"	DIP	1,188			1,188
4"	PVC	2,968			2,968
6"	ACP	143,170		34	143,136
6"	CIP	6			6
6"	DIP	40,943	31		40,974
6"	PVC	42,017	40		42,057
8"	ACP	129,833		1,147	128,686
8"	CIP	409			409
8"	DIP	102,660		936	101,724
8"	PVC	160,247	2,655	468	162,434
10"	ACP	1,732		1,571	161
12"	ACP	93,254		14	93,240
12"	CIP	2,750			2,750
12"	DIP	72,842			72,842
12"	PVC	52,147	3,172	146	55,173
16"	ACP	5,046		1	5,045
16"	CIP	9,167			9,167
16"	DIP	33,803			33,803
18"	STL	3,069			3,069
20"	DIP	7,947			7,947
24"	CIP	1,337			1,337
24"	DIP	882			882
	TOTAL	910,645	5,898	4,317	912,225

ACP: Asbestos Cement Pipe
PVC: Polyvinyl Chloride Pipe
CIP: Cast Iron Pipe
DIP: Ductile Iron Pipe
STL: Steel Pipe

FACILITY OWNERSHIP STATISTICAL REPORT

YEAR ENDING DECEMBER 31, 2018

WATER FACILITIES (continued)

<u>Size</u>	<u>Type</u>	<u>Total</u> <u>12/31/2017</u>	<u>Add</u>	<u>Subtract</u>	<u>Total</u> <u>12/31/2018</u>
VALVES:					
2"	PRV	6			6
4"	Gate	43			43
4"	PRV	2			2
6"	Gate	782	4	1	785
6"	PRV	6			6
8"	Gate	1,522	11	14	1,519
8"	PRV	4			4
10"	Gate	3		1	2
12"	Gate	803	20	1	822
12"	Check	1			1
12"	PRV	1			1
16"	Gate	2			2
16"	Butterfly	23			23
18"	Gate	1			1
18"	Butterfly	1			1
20"	Butterfly	1			1
24"	Butterfly	2			2
	TOTAL	3,203	35	17	3,221
BLOW-OFFS:					
2"	Ball	312			312
2"	Gate	125			125
6"	Gate	5			5
	TOTAL	442	0	0	442
HYDRANTS:					
6"	Mueller Cent.	659			659
6"	Mueller Imp.	12			12
6"	Waterous	862	16	1	877
6"	AVK	9			9
6"	DWD	1			1
6"	Amer. Darling	3			3
	TOTAL	1,546	16	1	1,561

FACILITY OWNERSHIP STATISTICAL REPORT

YEAR ENDING DECEMBER 31, 2018

SEWER FACILITIES

<u>Size</u>	<u>Type</u>	<u>Total</u> <u>12/31/2017</u>	<u>Add</u>	<u>Subtract</u>	<u>Total</u> <u>12/31/2018</u>
PIPE:					
8"	VCP	91,368			91,368
8"	PVC	458,959	9,339		468,298
8"	CP	2,745		2,495	250
8"	C-900	144,030	2,944		146,974
8"	CPP	1,121	2,495		3,616
10"	VCP	5,049			5,049
10"	PVC	14,582			14,582
10"	C-900	4,982			4,982
12"	VCP	19,793			19,793
12"	PVC	10,980			10,980
12"	CP	178			178
12"	C-900	1,428	228		1,656
12"	CPP	1,320			1,320
15"	VCP	6,972			6,972
15"	PVC	9,494			9,494
15"	CP	233			233
15"	CPP	14,338			14,338
18"	VCP	9,464			9,464
18"	CPP	1,326			1,326
18"	PVC	1,799			1,799
21"	VCP	3,019			3,019
21"	PVC	6,038			6,038
21"	CPP	2,665			2,665
24"	PVC	153			153
27"	CPP	2,183			2,183
33"	CPP	12,821			12,821
36"	CPP	9,503			9,503
42"	CPP	2,816			2,816
42"	SPE	1,616			1,616
45"	CPP	318			318
48"	CPP	6,708			6,708
60"	CPP	1,411			1,411
TOTAL		849,412	15,006	2,495	861,923
VCP:	Vitrified Clay Pipe		CP:	Concrete Pipe	
PVC:	Polyvinyl Chloride Pipe		RCP:	Reinforced Concrete Pipe	
C-900:	Polyvinyl Chloride Pipe (C-900 Class 200)		CPP:	Cured In-place Pipe	

SOUTHWEST METROPOLITAN WATER & SANITATION

WATER & SEWER SUPPLY REPORT YEAR ENDING DECEMBER 31, 2018

Taps

Water Taps Sold in 2018	0
3/4" Equivalent Water Taps Sold in 2018	0
Sewer Taps Sold in 2018	0
Single Family Equivalent Sewer Taps Sold in 2018	0

Consumption

Total Water Delivered (gallons)	1,793,793,000
---------------------------------------	---------------

WATER & SEWER SUPPLY REPORT - (2009-2018)

	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>
POPULATION:										
RS Population (3.04)	35,878.08	35,878.08	35,759.52	35,656.16	35,628.80	35,595.36	35,592.32	35,589.28	35,589.28	35,589.28
RM Population (2.04)	12,888.72	12,888.72	12,888.72	12,888.72	12,374.64	12,374.64	12,346.08	12,288.96	12,276.72	12,276.72
Total Population	48,766.80	48,766.80	48,648.24	48,544.88	48,003.44	47,970.00	47,938.40	47,878.24	47,866.00	47,866.00

WATER TAPS:

Total Active Taps	12,642	12,642	12,598	12,554	12,536	12,512	12,499	12,482	12,459	12,451
Single Family Residential	11,479	11,479	11,440	11,406	11,388	11,379	11,368	11,367	11,366	11,366
Multi Family Residential	783	783	783	783	783	771	771	757	740	734
Commercial	380	380	375	365	365	362	360	358	353	351
Taps Sold	0	44	44	18	24	13	17	23	8	1
Single Family Residential	0	39	34	18	9	11	1	1	0	0
Multi Family Residential	0	0	0	0	12	0	14	17	6	0
Commercial	0	5	10	0	3	2	2	5	2	1
Total 3/4" Equivalents	14,924	14,924	14,865	14,784	14,763	14,695	14,680	14,645	14,560	14,550
Single Family Residential	11,479	11,479	11,440	11,405	11,384	11,375	11,364	11,363	11,362	11,362
Multi Family Residential	2,045	2,045	2,045	2,045	2,045	2,002	2,002	1,988	1,920	1,914
Commercial	1,400	1,400	1,380	1,334	1,334	1,318	1,314	1,294	1,278	1,274
3/4" Equivalents Sold	0	59	81	21	68	15	35	85	10	2
Single Family Residential	0	39	35	21	9	11	1	1	0	0
Multi Family Residential	0	0	0	0	43	0	14	68	6	0
Commercial	0	20	46	0	16	4	20	16	4	2
Tap Size Sold										
3/4"	0	39	35	17	10	11	15	3	6	0
1"	0	2	1	0	1	2	1	1	4	1
1 1/2"	0	2	5	1	12	0	0	18	0	0
2" or >	0	1	3	0	1	0	1	1	0	0

WATER & SEWER SUPPLY REPORT - (2009-2018)

	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>
SEWER TAPS:										
Total Active Taps	18,435.00	18,435.00	18,391.00	18,350.00	18,088.00	18,076.00	18,059.00	18,027.00	18,019.00	18,019.00
Single Family Residential	11,802.00	11,802.00	11,763.00	11,729.00	11,720.00	11,709.00	11,708.00	11,707.00	11,707.00	11,707.00
Multi Family Residential	6,318.00	6,318.00	6,318.00	6,318.00	6,066.00	6,066.00	6,052.00	6,024.00	6,018.00	6,018.00
Commercial	315.00	315.00	310.00	303.00	302.00	301.00	299.00	296.00	294.00	294.00
Taps Sold	0.00	44.00	41.00	262.00	12.00	17.00	32.00	8.00	0.00	43.00
Single Family Residential	0.00	39.00	34.00	9.00	11.00	1.00	1.00	0.00	0.00	2.00
Multi Family Residential	0.00	0.00	0.00	252.00	0.00	14.00	28.00	6.00	0.00	40.00
Commercial	0.00	5.00	7.00	1.00	1.00	2.00	3.00	2.00	0.00	1.00
Total Single Family Equiv.	19,684.93	19,684.93	19,625.93	19,581.93	19,319.93	19,304.43	19,242.93	19,174.60	19,164.17	19,164.17
Single Family Residential	11,802.00	11,802.00	11,763.00	11,729.00	11,720.00	11,709.00	11,708.00	11,707.00	11,707.00	11,707.00
Multi Family Residential	6,318.00	6,318.00	6,318.00	6,318.00	6,066.00	6,066.00	6,052.00	6,024.00	6,018.00	6,018.00
Commercial	1,564.93	1,564.93	1,544.93	1,534.93	1,533.93	1,529.43	1,482.93	1,443.60	1,439.17	1,439.17
Single Family Equiv. Sold	0.00	59.00	44.00	262.00	15.50	61.50	68.33	10.43	0.00	46.93
Single Family Residential	0.00	39.00	34.00	9.00	11.00	1.00	1.00	0.00	0.00	2.00
Multi Family Residential	0.00	0.00	0.00	252.00	0.00	14.00	28.00	6.00	0.00	40.00
Commercial	0.00	20.00	10.00	1.00	4.50	46.50	39.33	4.43	0.00	4.93
CONSUMPTION:										
Total Water Delivered*	1,793,793.00	1,855,169.00	1,826,754.00	1,750,891.00	1,735,277.00	1,810,186.00	2,316,810.00	2,012,072.00	2,302,275.00	2,231,718.00
Gal./3/4" Equivalent/Day	329.30	340.57	336.68	324.47	322.03	337.49	432.39	376.41	433.21	420.23
Gal./Capita/Day	100.78	104.22	102.88	98.82	99.04	103.39	132.41	115.14	131.78	127.74
Gal./Account/Day	388.74	402.05	397.27	382.11	379.24	396.37	507.83	441.64	506.27	491.07
Single Family Res. - Delivered*	1,222,791.00	1,221,887.00	1,251,851.00	1,181,168.00	1,096,013.00	1,165,252.00	1,501,782.00	1,309,105.00	1,499,194.00	1,459,780.00
Gal./3/4" Equivalent/Day	291.85	291.63	299.80	283.74	263.77	280.66	362.06	315.64	361.50	352.00
Gal./Account/Day	291.85	291.63	299.80	283.72	263.68	280.56	361.93	315.53	361.37	351.87
Multi-Family Res. - Delivered*	337,340.00	352,078.00	305,315.00	305,455.00	342,253.00	346,704.00	421,141.00	352,712.00	406,449.00	369,608.00
Gal./3/4" Equivalent/Day	451.94	471.69	409.04	409.22	458.52	474.46	576.33	486.08	579.98	529.06
Gal./Account/Day	1,180.36	1,231.93	1,068.30	1,068.79	1,197.55	1,232.00	1,496.51	1,276.53	1,504.81	1,379.60
Commercial - Delivered*	233,662.00	281,204.00	269,588.00	264,268.00	297,011.00	298,230.00	393,887.00	350,255.00	396,632.00	402,330.00
Gal./3/4" Equivalent/Day	457.26	550.30	535.22	542.75	609.99	619.93	821.27	741.58	850.28	865.21
Gal./Account/Day	1,684.66	2,027.43	1,969.59	1,983.62	2,229.39	2,257.10	2,997.62	2,680.45	3,078.37	3,140.38

WATER & SEWER SUPPLY REPORT - (2009-2018)

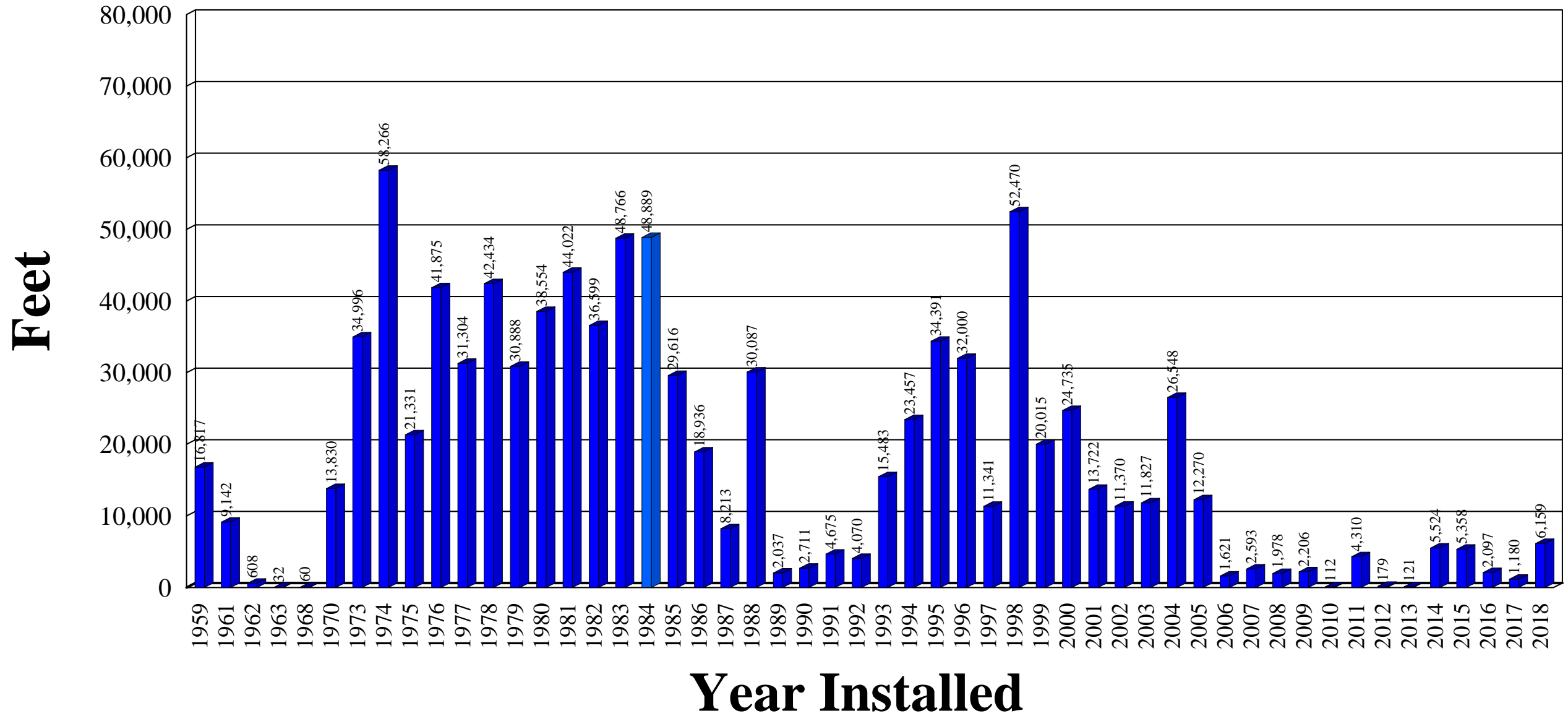
FACILITY:	<u>2018</u>	<u>2017</u>	<u>2016</u>	<u>2015</u>	<u>2014</u>	<u>2013</u>	<u>2012</u>	<u>2011</u>	<u>2010</u>	<u>2009</u>
Water										
Distribution Mains*	172.77	172.47	172.35	171.98	171.92	171.92	171.89	171.89	171.89	171.72
Installed (new)**	1,580.38	618.00	1,948.00	349.00	0.00	130.00	0.00	0.00	905.00	976.00
Installed (replaced)**	4,317.31	1,686.00	107.00	919.00	0.00	0.00	73.00	2,124.00	932.00	1,281.00
No. Water Main Breaks	6	10	8	12	14	12	7	12	12	12
Valves Op. & Serv.	3,290	3,268	3,223	3,249	3,195	3,095	3,192	3,187	3,167	3,160
Distribution Main Flushing	653	645	645	561	550	144	521	514	516	514
Hydrants Op. & Serv.	1,545	1,384	1,528	1,528	1,513	1,514	1,512	1,510	1,500	1,500
Sewer										
Collection Mains	145.65	143.28	143.23	142.90	142.72	142.72	142.72	142.36	142.36	142.36
Installed (new)**	12,511.00	297.00	1,702.00	989.00	0.00	0.00	1,869.00	0.00	0.00	27.00
Installed (replaced)**	2,495.00	547.00	0.00	0.00	0.00	0.00	0.00	495.00	0.00	1,276.00
Interceptor Mains*	17.59	178.51	181.53	17.59	17.71	17.71	17.71	17.80	17.80	17.80
No. Sewer Backups	0	0	0	0	0	1	0	0	0	1
Main Televised**	204,490.00	201,790.00	194,616.00	239,904.00	190,698.00	205,685.00	193,680.00	243,079.00	211,962.00	213,265.00
Main Hyd. Cleaned**	203,934.00	239,263.00	60,438.00	61,857.00	62,030.00	66,405.00	65,374.00	67,466.00	62,621.00	64,054.00
Main Root Cut**	10,156.00	8,345.00	12,922.00	14,259.00	13,338.00	12,955.00	13,660.00	20,975.00	17,073.00	20,274.00
Main Root Treated**	883.00	1,287.00	2,170.00	0.00	883.00	1,287.00	1,685.00	0.00	0.00	0.00
ADMINISTRATION:										
No. Full Time Equivalent	12.26	12.08	11.97	10.94	11.34	10.73	10.66	10.79	11.02	11.16
Total Hours Worked	25,495.00	25,136.00	24,891.00	22,745.00	23,590.00	22,324.00	22,170.00	22,444.00	22,913.15	23,206.46
Total Hours Worked(PC)	10,808.00	9,935.00	9,156.00	8,569.00	9,213.00	9,021.00	9,404.00	9,096.00	9,287.62	9,999.15
Administration	6,306.00	5,347.00	4,746.00	4,115.00	5,189.00	4,704.00	4,874.00	4,786.00	4,742.68	5,090.63
Maintenance	4,502.00	4,588.00	4,410.00	4,454.00	4,024.00	4,317.00	4,530.00	4,310.00	4,544.94	4,908.52
Total Hours Worked(SWM)	12,294.00	12,681.00	12,941.00	12,085.00	12,419.00	11,707.00	11,012.00	11,746.00	11,658.03	11,151.51
Administration	5,615.00	5,359.00	6,113.00	4,470.00	6,071.00	4,967.00	4,869.00	4,939.00	5,206.28	4,400.03
Maintenance	6,679.00	7,322.00	6,828.00	7,615.00	6,348.00	6,740.00	6,143.00	6,807.00	6,451.75	6,751.48
Total Hours Worked (Others)	2,393.00	2,520.00	2,794.00	2,091.00	1,958.00	1,596.00	1,754.00	1,602.00	1,967.50	2,055.80
Administration	871.00	1,201.00	1,047.00	1,255.00	617.00	423.00	300.00	282.00	358.00	426.80
Maintenance	1,522.00	1,319.00	1,747.00	836.00	1,341.00	1,173.00	1,454.00	1,320.00	1,609.50	1,629.00

* miles

** feet

SOUTHWEST METROPOLITAN W&S

Water Pipe Installed By Year



24		Total
CAST IRON PIPE	DUCTILE IRON PIPE	
1,337	0	16,817
0	0	9,142
0	0	608
0	0	32
0	0	60
0	0	13,830
0	0	34,996
0	0	58,266
0	0	21,331
0	0	41,875
0	0	31,304
0	0	42,434
0	0	30,888
0	882	38,554
0	0	44,022
0	0	36,599
0	0	48,766
0	0	48,889
0	0	29,616

24		Total
CAST IRON PIPE	DUCTILE IRON PIPE	
0	0	18,936
0	0	8,213
0	0	30,087
0	0	2,037
0	0	2,711
0	0	4,675
0	0	4,070
0	0	15,483
0	0	23,457
0	0	34,391
0	0	32,000
0	0	11,341
0	0	52,470
0	0	20,015
0	0	24,735
0	0	13,722
0	0	11,370
0	0	11,827
0	0	26,548
0	0	12,270

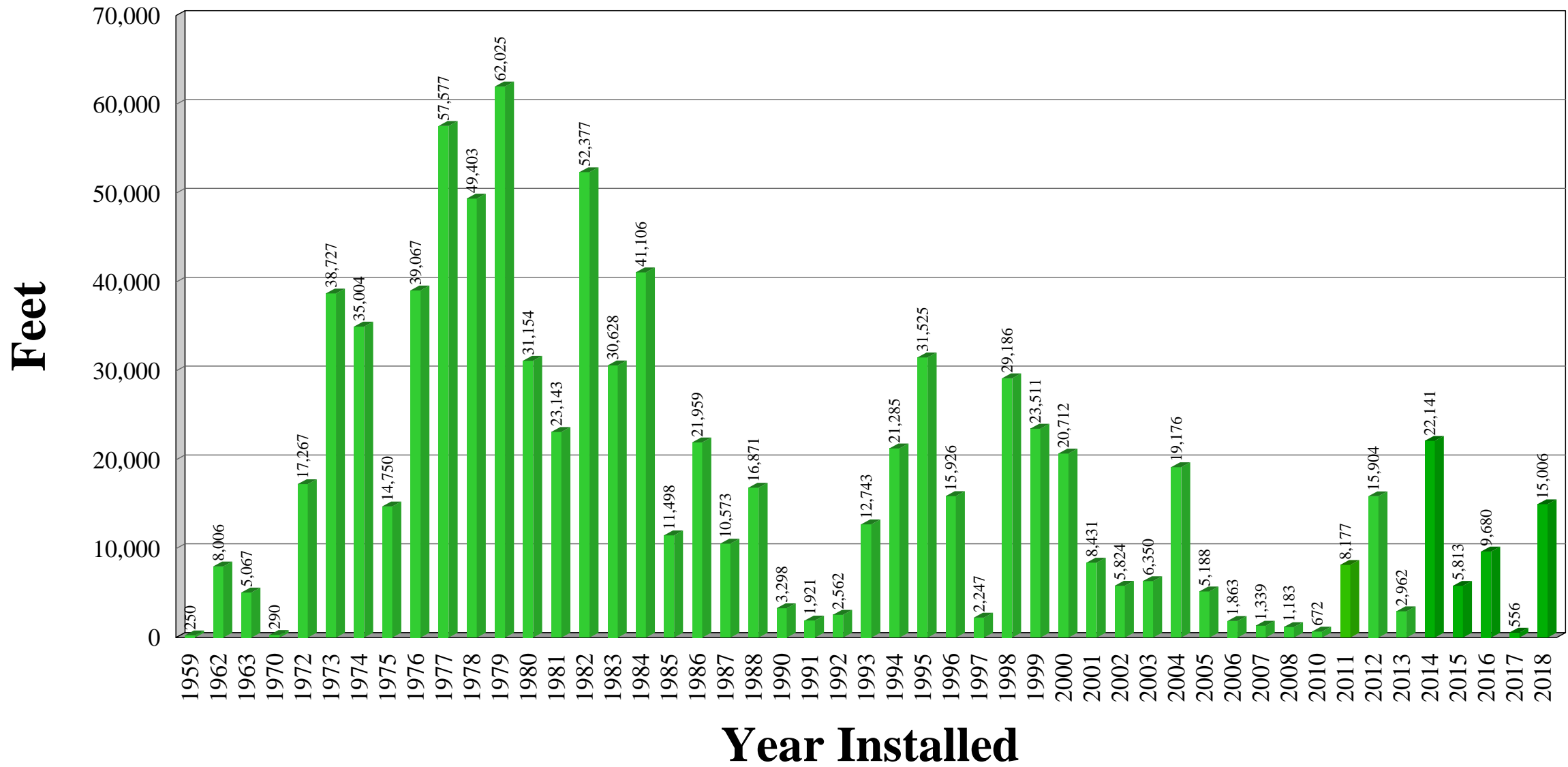
	4				6				8				10	12					15	16				18	20		
	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE		ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	ASBESTOS CEMENT PIPE		ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	POLYVINYL CHLORIDE PIPE	DUCTILE IRON PIPE	ASBESTOS CEMENT PIPE	CAST IRON PIPE	DUCTILE IRON PIPE	STEEL PIPE	STEEL PIPE	DUCTILE IRON PIPE	
2006	0	0	0	244	0	0	92	492	0	0	0	0	794	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	215	573	0	0	0	0	1,805	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	2	0	114	1,527	0	0	0	0	336	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	32	2,174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	28	0	0	0	0	0	85	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	338	0	0	0	0	0	3,447	0	0	0	0	0	415	0	0	0	110	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	179	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	0	0	4	0	0	0	70	0	0	0	0	4	0	0	0	0	0	30	0	0	0	0	13	0	0	0	0
2014	0	0	0	432	0	0	228	29	0	0	0	23	3,791	0	0	0	0	994	0	0	0	0	27	0	0	0	0
2015	0	0	0	281	0	0	296	1,075	261	0	0	0	3,175	0	270	0	0	0	0	0	0	0	0	0	0	0	0
2016	0	0	0	71	0	0	331	0	0	0	0	0	1,696	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017	0	0	0	0	0	0	315	0	0	0	0	0	455	0	0	0	0	0	391	10	0	0	0	0	9	0	0
2018	0	0	0	0	0	0	293	40	0	0	0	0	2,655	0	0	0	0	0	3,172	0	0	0	0	0	0	0	0
Total	2,938	290	1,189	2,967	143,137	6	70,496	42,074	261	128,686	409	101,724	162,173	161	270	93,240	2,750	72,842	54,903	10	5,045	9,167	33,803	50	3,069	7,947	

2/26/2019

24		Total
CAST IRON PIPE	DUCTILE IRON PIPE	
0	0	1,621
0	0	2,593
0	0	1,978
0	0	2,206
0	0	112
0	0	4,310
0	0	179
0	0	121
0	0	5,524
0	0	5,358
0	0	2,097
0	0	1,180
0	0	6,159
1,337	882	941,826

SOUTHWEST METROPOLITAN W&S

Sewer Pipe Installed By Year



	45	48	60	Total
	CURED IN PLACE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	
1959	0	0	0	250
1962	0	0	0	8,006
1963	0	0	0	5,067
1970	0	0	0	290
1972	0	0	0	17,267
1973	0	0	0	38,727
1974	0	0	0	35,004
1975	0	0	0	14,750
1976	0	0	0	39,067
1977	0	0	0	57,577
1978	0	0	0	49,403
1979	0	0	0	62,025
1980	0	0	0	31,154
1981	0	0	0	23,143
1982	0	0	0	52,377
1983	0	0	0	30,628
1984	0	0	0	41,106
1985	0	0	0	11,498
1986	0	0	0	21,959
1987	0	0	0	10,573
1988	0	0	0	16,871
1990	0	0	0	3,298
1991	0	0	0	1,921
1992	0	0	0	2,562
1993	0	0	0	12,743
1994	0	0	0	21,285
1995	0	0	0	31,525
1996	0	0	0	15,926

	8				10			12				15				18			21			24	27	33	36	42			
	C900 POLYVINYL CHLORIDE PIPE	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	C900 POLYVINYL CHLORIDE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	C900 POLYVINYL CHLORIDE PIPE	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	Concrete Pipe (non-reinforced)	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	CURED IN PLACE PIPE	Polyvinyl Chloride	Vitrified Clay Pipe	Polyvinyl Chloride	CURED IN PLACE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	SPRILITE POLYETHYLENE PIPE
1997	2,247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1998	23,831	0	0	3,189	0	532	284	0	821	0	0	529	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
1999	11,458	0	0	9,986	0	1,566	501	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2000	17,507	0	0	2,247	0	0	0	0	0	0	0	0	0	0	0	958	0	0	0	0	0	0	0	0	0	0	0	0	
2001	802	0	0	7,629	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2002	5,120	0	0	704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2003	6,350	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2004	17,629	0	0	0	0	0	0	0	0	0	1,292	0	0	0	255	0	0	0	0	0	0	0	0	0	0	0	0	0	
2005	5,188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2006	0	0	1,121	226	0	0	0	0	0	0	0	516	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2007	1,339	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2008	576	0	0	0	0	0	0	0	607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2010	495	0	0	0	0	0	0	0	0	0	0	0	0	0	177	0	0	0	0	0	0	0	0	0	0	0	0	0	
2011	0	0	0	1,869	0	0	0	0	0	0	0	0	0	0	5,117	0	0	0	0	0	1,053	0	0	0	138	0	0	0	
2012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12,821	3,083	0	0
2013	2,962	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2014	0	0	0	2,912	0	0	0	0	0	0	28	0	0	0	2,024	0	0	346	0	0	1,612	0	0	0	2,045	0	1,921	2,816	0
2015	989	0	0	0	0	0	0	0	0	0	0	325	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4,499	0	0
2016	188	0	0	1,514	0	0	0	0	0	0	0	0	0	233	6,765	0	0	980	0	0	0	0	0	0	0	0	0	0	0
2017	111	0	0	445	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018	2,944	0	2,495	9,339	0	0	0	0	228	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total	146,974	250	3,616	468,298	91,368	4,982	14,582	5,049	1,656	178	1,320	10,980	19,793	233	14,338	9,494	6,972	1,326	1,799	9,464	2,665	6,038	3,019	153	2,183	12,821	9,503	2,816	1,616

	45	48	60	Total
	CURED IN PLACE PIPE	CURED IN PLACE PIPE	CURED IN PLACE PIPE	
1997	0	0	0	2,247
1998	0	0	0	29,186
1999	0	0	0	23,511
2000	0	0	0	20,712
2001	0	0	0	8,431
2002	0	0	0	5,824
2003	0	0	0	6,350
2004	0	0	0	19,176
2005	0	0	0	5,188
2006	0	0	0	1,863
2007	0	0	0	1,339
2008	0	0	0	1,183
2010	0	0	0	672
2011	0	0	0	8,177
2012	0	0	0	15,904
2013	0	0	0	2,962
2014	318	6,708	1,411	22,141
2015	0	0	0	5,813
2016	0	0	0	9,680
2017	0	0	0	556
2018	0	0	0	15,006
Total	318	6,708	1,411	861,923