

PLATTE CANYON & SOUTHWEST METROPOLITAN WATER AND SANITATION

COMBINED FACILITY OWNERSHIP STATISTICAL REPORT YEAR ENDING DECEMBER 31, 2019

Water

Miles of Water Main Installed in 2019	1.35
No. of Isolation Valves Insatlld in 2019	46
No. of Blow-off Vlaves Installed in 2019	1
No. Fire Hydrants Insatlld in 2019	5
Miles of Water Main in System as of 12/31/2019	249.75
No. of Isolation Valves in system as of 12/31/2019	4,450
No. of Blow-off Valves in System as of 12/31/2019	575
No. of Fire Hydrants in System as of 12/31/2019	2,053

Sewer

Miles of Sewer Main Installed in 2019	0.00
Miles of Sewer Main in System as of 12/31/2019	239.18
No. of Manholes as of 12/31/2019	6,685
No. of Cleanouts as of 12/31/2019	25

FACILITY OWNERSHIP STATISTICAL REPORT

YEAR ENDING DECEMBER 31, 2019

WATER FACILITIES

<u>Size</u>	<u>Type</u>	<u>Total</u> <u>12/31/2018</u>	<u>Add</u>	<u>Subtract</u>	<u>Total</u> <u>12/31/2019</u>
PIPE:					
4"	ACP	4,280			4,280
4"	CIP	3,343			3,343
4"	DIP	1,188			1,188
4"	PVC	6,370	1,212	264	7,318
6"	ACP	265,682			265,682
6"	CIP	29,308		1,741	27,567
6"	DIP	41,539			41,539
6"	PVC	77,125	41		77,166
8"	ACP	184,988		1,647	183,341
8"	CIP	18,834		2,791	16,043
8"	DIP	110,626		251	110,375
8"	PVC	219,539	5,120		224,659
10"	ACP	901			901
10"	CIP	684			684
10"	DIP	253			253
12"	ACP	128,909			128,909
12"	CIP	8,928			8,928
12"	DIP	76,628		735	75,893
12"	PVC	59,294	749		60,043
16"	ACP	3,861			3,861
16"	CIP	10,858			10,858
16"	DIP	40,883			40,883
16"	PVC	1,082			1,082
16"	STL	2,267			2,267
18"	STL	11,420			11,420
20"	DIP	7,959			7,959
24"	CIP	2,219			2,219
	TOTAL	1,318,968	7,122	7,429	1,318,661

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

FACILITY OWNERSHIP STATISTICAL REPORT

YEAR ENDING DECEMBER 31, 2019

WATER FACILITIES(continued)

<u>Size</u>	<u>Type</u>	<u>Total</u> <u>12/31/2018</u>	<u>Add</u>	<u>Subtract</u>	<u>Total</u> <u>12/31/2019</u>
VALVES:					
2"	PRV	7			7
4"	Gate	68	3	1	70
4"	PRV	5			5
6"	Gate	1,284	12	23	1,273
6"	PRV	9			9
8"	Gate	2,000	27	11	2,016
8"	PRV	5			5
10"	Gate	13		1	12
10"	PRV	3			3
12"	Gate	1,004	4	3	1,005
12"	Check	1			1
12"	PRV	1			1
16"	Gate	3			3
16"	Butterfly	30			30
16"	Check	1			1
18"	Gate Valve	1			1
18"	Butterfly	5			5
20"	Butterfly	1			1
24"	Butterfly	2			2
	TOTAL	4,443	46	39	4,450
BLOW-OFFS:					
2"	Ball	387			387
2"	Gate	183	1	1	183
6"	Gate Valve	5			5
	TOTAL	575	1	1	575
HYDRANTS:					
6"	Mueller Cent.	786		1	785
6"	Mueller Im.	65		4	61
6"	Waterous	1,179	5		1,184
6"	Amer. Darling	8			8
6"	AVK	9			9
6"	DWD	1			1
6"	Kennedy	5			5
	TOTAL	2,053	5	5	2,053

FACILITY OWNERSHIP STATISTICAL REPORT

YEAR ENDING DECEMBER 31, 2019

SEWER FACILITIES

<u>Size</u>	<u>Type</u>	<u>Total</u> <u>12/31/2018</u>	<u>Add</u>	<u>Subtract</u>	<u>Total</u> <u>12/31/2019</u>
PIPE:					
6"	VCP	150			150
8"	CP	465			465
8"	VCP	320,005			320,005
8"	PVC	551,391			551,391
8"	C-900	147,480			147,480
8"	CPP	31,970			31,970
8"	CIP	223			223
8"	DIP	84			84
8"	PEP	2,574			2,574
10"	VCP	22,591			22,591
10"	PVC	17,290			17,290
10"	CPP	4,307			4,307
10"	C-900	4,982			4,982
12"	VCP	20,743			20,743
12"	CPP	2,220			2,220
12"	C-900	1,656			1,656
12"	CP	178			178
12"	PVC	10,980			10,980
15"	VCP	6,972			6,972
15"	PVC	12,816			12,816
15"	CP	433			433
15"	CPP	14,338			14,338
16"	PEP	1,039			1,039
16"	SRC	2,698			2,698
18"	VCP	9,464			9,464
18"	PVC	1,799			1,799
18"	CPP	6,129			6,129
18"	PEP	4,928			4,928
21"	VCP	3,019			3,019
21"	PVC	6,038			6,038
21"	CPP	4,242			4,242
22"	PEP	4,195			4,195
24"	PEP	3,712			3,712
24"	PVC	203			203
24"	CPP	4,007			4,007
27"	CPP	2,183			2,183
30"	SPE	186			186
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	1,262,883	0	0	1,262,883

CP: Concrete Pipe
 VCP: Vitrified Clay Pipe
 PVC: Polyvinyl Chloride Pipe
 C-900: Polyvinyl Chloride Pipe C-900 Class 200
 CPP: Cured In-place Pipe

PEP: Polyethylene Pipe
 CIP: Cast Iron Pipe
 DIP: Ductile Iron Pipe
 RCP: Reinforced Concrete Pipe

PLATTE CANYON WATER AND SANITATION DISTRICT

WATER & SEWER SUPPLY REPORT YEAR ENDING DECEMBER 31, 2019

Taps

Water Taps Sold in 2019	29
3/4" Equivalent Water Taps Sold in 2019	116
Sewer Taps Sold in 2019	354
Single Family Equivalent Sewer Taps Sold in 2019	396

Consumption

Total Water Delivered (gallons)	2,480,918,000
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WATER & SEWER SUPPLY REPORT - (2010-2019)

	<u>2019</u>	<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>
POPULATION:										
RS Population (3.04)	53,546.56	53,528.32	53,382.40	53,276.00	53,224.32	53,187.84	53,142.24	53,117.92	53,105.76	53,102.72
RM Population (2.04)	14,751.24	14,043.36	14,043.36	14,043.36	14,043.36	13,529.28	13,529.28	13,500.72	13,443.60	13,431.36
Total Population	68,297.80	67,571.68	67,425.76	67,319.36	67,267.68	66,717.12	66,671.52	66,618.64	66,549.36	66,534.08
WATER TAPS:										
Total Active Taps	18,549	18,520	18,475	18,431	18,412	18,387	18,371	18,348	18,322	18,314
Single Family Residential	17,097	17,093	17,053	17,019	17,000	16,990	16,976	16,969	16,965	16,965
Multi Family Residential	958	934	934	934	934	922	922	908	891	885
Commercial	494	493	488	478	478	475	473	471	466	464
Taps Sold	29	45	44	19	25	16	23	26	8	2
Single Family Residential	4	40	34	19	10	14	7	4	0	0
Multi Family Residential	24	0	0	0	12	0	14	17	6	0
Commercial	1	5	10	0	3	2	2	5	2	2
Total 3/4" Equivalents	21,615	21,615	21,555	21,474	21,451	21,382	21,364	21,323	21,235	21,225
Single Family Residential	17,302	17,302	17,262	17,227	17,204	17,194	17,180	17,173	17,169	17,169
Multi Family Residential	2,460	2,460	2,460	2,460	2,460	2,417	2,417	2,403	2,335	2,329
Commercial	1,853	1,853	1,833	1,787	1,787	1,771	1,767	1,747	1,731	1,727
3/4" Equivalents Sold	116	0	60	81	23	69	18	41	88	10
Single Family Residential	4	0	40	35	23	10	14	7	4	0
Multi Family Residential	94	0	0	0	0	43	0	14	68	6
Commercial	18	0	20	46	0	16	4	20	16	4
Tap Size Sold										
3/4"	4	0	40	35	17	11	14	21	5	6
1"	7	0	2	1	1	1	2	1	2	4
1 1/2"	6	0	2	5	5	12	0	0	18	0
2" or >	8	0	1	3	3	1	0	1	1	0

WATER & SEWER SUPPLY REPORT - (2010-2019)

	<u>2019</u>	<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>
SEWER TAPS:										
Total Active Taps	25,279.00	24,925.00	24,872.00	24,829.00	24,811.00	24,546.00	24,528.00	24,501.00	24,466.00	24,457.00
Single Family Residential	17,614.00	17,608.00	17,560.00	17,525.00	17,508.00	17,496.00	17,481.00	17,473.00	17,469.00	17,468.00
Multi Family Residential	7,231.00	6,884.00	6,884.00	6,884.00	6,884.00	6,632.00	6,632.00	6,618.00	6,590.00	6,584.00
Commercial	434.00	433.00	428.00	420.00	419.00	418.00	415.00	410.00	407.00	405.00
Taps Sold	354.00	53.00	43.00	18.00	265.00	18.00	27.00	35.00	9.00	2.00
Single Family Residential	6.00	48.00	35.00	17.00	12.00	15.00	8.00	4.00	1.00	0.00
Multi Family Residential	347.00	0.00	0.00	0.00	252.00	0.00	14.00	28.00	6.00	0.00
Commercial	1.00	5.00	8.00	1.00	1.00	3.00	5.00	3.00	2.00	2.00
Total Single Family Equiv.	27,390.00	27,384.00	27,334.00	27,288.00	27,270.00	27,005.00	26,985.50	26,884.00	26,812.67	26,801.24
Single Family Residential	17,603.00	17,597.00	17,549.00	17,514.00	17,497.00	17,485.00	17,470.00	17,462.00	17,458.00	17,457.00
Multi Family Residential	7,578.00	7,578.00	7,578.00	7,578.00	7,578.00	7,326.00	7,326.00	7,312.00	7,284.00	7,278.00
Commercial	2,209.00	2,209.00	2,207.00	2,196.00	2,195.00	2,194.00	2,189.50	2,110.00	2,070.67	2,066.24
Single Family Equiv. Sold	396.00	6.00	50.00	46.00	18.00	265.00	19.50	101.50	71.33	11.43
Single Family Residential	6.00	6.00	48.00	35.00	17.00	12.00	15.00	8.00	4.00	1.00
Multi Family Residential	347.00	0.00	0.00	0.00	0.00	252.00	0.00	14.00	28.00	6.00
Commercial	43.00	0.00	2.00	11.00	1.00	1.00	4.50	79.50	39.33	4.43
CONSUMPTION:										
Total Water Delivered*	2,480,918.00	2,656,608.00	2,703,817.00	2,690,130.00	2,537,846.00	782,368.52	2,641,643.00	3,380,914.00	2,929,121.00	3,341,610.00
Gal./3/4" Equivilant/Day	314.46	336.73	343.67	343.22	324.13	100.25	338.77	434.40	377.91	431.34
Gal./Capita/Day	99.52	107.71	109.86	109.48	103.36	32.13	108.55	139.04	120.59	137.60
Gal./Account/Day	366.44	393.00	400.96	399.88	377.63	116.58	393.96	504.84	438.00	499.90
Single Family Res. - Delivered*	1,825,845.00	1,968,209.00	1,935,594.00	1,993,904.00	1,854,288.00	173.52	1,849,962.00	2,377,717.00	2,066,578.00	2,355,986.00
Gal./3/4" Equivilant/Day	289.12	306.50	316.46	294.90	0.03	294.78	379.18	329.70	375.95	#REF!
Gal./Account/Day	292.58	310.24	320.34	298.50	0.03	298.32	383.74	333.66	380.47	#REF!
Mulit-Family Res. - Delivered*	331,603.00	378,895.00	378,693.00	336,684.00	356,276.00	396,780.00	404,269.00	491,152.00	408,547.00	467,951.00
Gal./3/4" Equivilant/Day	42.03	421.75	374.97	396.79	441.90	458.25	556.73	465.80	549.06	#REF!
Gal./Account/Day	48.98	1,110.83	987.60	1,045.07	1,163.88	1,201.29	1,459.46	1,232.72	1,438.90	#REF!
Commercial - Delivered*	323,470.00	309,504.00	389,530.00	359,542.00	327,282.00	385,415.00	387,412.00	512,045.00	453,996.00	517,673.00
Gal./3/4" Equivilant/Day	51.22	575.93	537.40	501.77	590.90	599.32	793.92	711.98	819.34	#REF!
Gal./Account/Day	51.83	2,164.72	2,018.54	1,875.86	2,209.06	2,234.53	2,965.88	2,640.82	3,043.52	#REF!

*in thousands of gallons

WATER & SEWER SUPPLY REPORT - (2010-2019)

FACILITY:	<u>2019</u>	<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>
Water										
Distribution Mains*	249.75	249.75	249.61	249.55	249.55	249.42	249.42	249.38	248.93	248.74
Insatllted (new)**	0.00	697.00	349.00	0.00	691.00	0.00	198.00	2,397.00	976.00	1,981.00
Installed (replaced)**	7,429.00	4,894.00	919.00	11.20	0.00	73.00	3,549.00	1,977.00	2,772.00	1,657.00
No. Water Main Breaks	30	27	20	15	25	22	21	16	23	16
Valves Op. & Serv.	4,473	4,476	4,459	4,413	4,439	4,382	4,264	4,372	4,366	4,342
Distribution Main Flushing	849	852	839	842	722	709	173	680	672	675
Hydrants Op. Serv.	2,048	2,036	1,847	2,019	2,019	2,004	2,004	2,002	2,000	1,989
Sewer										
Collection Mains	228.99	228.99	228.93	228.93	228.81	228.46	228.46	228.46	228.45	228.28
Installed (new)**	0.00	297.00	0.00	609.00	1,869.00	0.00	0.00	27.00	921.00	4,404.00
Installed (replaced)**	0.00	13,168.00	0.00	0.00	0.00	695.00	300.00	1,276.00	2,409.00	5,276.00
Interceptor Mains*	10.20	23.53	23.53	23.53	23.53	23.62	23.62	23.62	23.62	5.82
No. Sewer Backups	0.00	0.00	1.00	0.00	1.00	1.00	0.00	0.00	1.00	0.00
Main Televised**	319,399.00	305,730.00	304,575.00	314,898.00	320,295.00	287,821.00	316,050.00	297,197.00	313,639.00	313,999.00
Main Hyd. Cleaned**	295,505.00	306,161.00	287,937.00	92,189.00	102,880.00	115,452.00	102,991.00	101,614.00	106,753.00	111,468.00
Main Root Cut**	60,758.00	50,527.00	71,851.00	85,924.00	64,410.00	64,106.00	93,541.00	96,584.00	112,442.00	103,688.00
Main Root Treated**	15,816.00	17,049.00	14,640.00	23,021.00	12,578.00	14,941.00	16,081.00	11,536.00	0.00	0.00
ADMINISTRATION:										
No. Full Time Equivalent	12.12	12.26	12.08	11.97	10.94	11.34	10.73	10.66	10.79	11.02
Total Hours Worked	25,208.16	25,495.00	25,136.00	24,891.00	22,745.00	23,590.00	22,324.00	22,170.00	22,444	22,913.15
Total Hours Worked(PC)	9,839.48	10,808.00	9,935.00	9,156.00	8,569.00	9,213.00	9,021.00	9,404.00	9,096	9,287.62
Administration	5,942.92	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
Maintenance	3,896.56	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
Total Hours Worked(SWM)	13,191.18	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
Administration	5,824.41	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
Maintenance	7,366.77	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
Total Hours Worked(Others)	2,177.50	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
Administration	834.75	871.00	1,201.00	1,047.00	1,255.00	617.00	423.00	300.00	282.00	358.00
Maintenance	1,342.75	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

* miles

** feet