

# SQUAW VALLEY PUBLIC SERVICE DISTRICT



## 2019 WATER AND SEWER SYSTEM REPORT

Prepared April 2020

By

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**EQUIPMENT CAPITAL REPLACEMENT PROJECTS**

**Budget Year 2021 - 2025**

Equipment Type	Funding Source	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	Project Total
<b>Fleet</b>							
Ford F-250	Water/Sewer FARF		\$ 49,900				\$ 49,900
Ford F-350	Water/Sewer FARF				\$ 46,300		\$ 46,300
<b>Equipment</b>							
Sewer Bypass Trailer and Hose	Sewer CIP	\$ 35,000					\$ 35,000
<b>Small Tools and Equipment</b>							
Sewer Lateral CCTV Cam	Water/Sewer FARF				\$ 17,500		\$ 17,500
SCBA Cart	Water/Sewer FARF	\$ 9,500					\$ 9,500
Radios	Water/Sewer FARF	\$ 15,000					\$ 15,000
Listening Devices	Water/Sewer FARF					\$ 7,500	\$ 7,500
Trimble GPS	Water/Sewer FARF	\$ 11,000					\$ 11,000
<b>TOTAL</b>		<b>\$ 70,500</b>	<b>\$ 49,900</b>	<b>\$ -</b>	<b>\$ 63,800</b>	<b>\$ 7,500</b>	<b>\$ 191,700</b>

**WATER CAPITAL PROJECTS**

**Budget Year 2021 - 2025**

CIP Projects	Funding Source	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	Project Total
Pressure Zone 1A Project	Water CIP	\$ 95,000	\$ 838,000				\$ 933,000
PlumpJack Well	Water CIP			\$125,000	\$975,000		\$ 1,100,000
<b>TOTAL</b>		<b>\$ 95,000</b>	<b>\$ 838,000</b>	<b>\$125,000</b>	<b>\$975,000</b>	<b>\$ -</b>	<b>\$ 2,033,000</b>
<b>CRP Projects</b>							
West Tank Recoating Project	Water FARF	\$ 375,000					\$ 375,000
Zone 3 Tank Recoating Project	Water FARF		\$ 100,000				\$ 100,000
Residential Meter Replacement Project (Includes Irrigation Meter Removal on SFR)	Water FARF	\$ 600,000					\$ 600,000
Fire Hydrant Replacement Project	Water FARF	\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000	\$ 21,000	\$ 105,000
<b>TOTAL</b>		<b>\$ 996,000</b>	<b>\$ 121,000</b>	<b>\$ 21,000</b>	<b>\$ 21,000</b>	<b>\$ 21,000</b>	<b>\$ 1,180,000</b>
<b>GRAND TOTAL</b>		<b>\$1,091,000</b>	<b>\$ 959,000</b>	<b>\$146,000</b>	<b>\$996,000</b>	<b>\$ 21,000</b>	<b>\$ 3,213,000</b>

**SEWER CAPITAL PROJECTS**

**Budget Year 2021 - 2025**

Project Title	Funding Source	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	Project Total
<b>CIP Projects</b>							
Sewer Cleanout Installation Project (Point of Service Line Cleanouts)	Sewer CIP				\$179,200	\$375,200	\$ 554,400
Granite Chief "A" Line	Sewer CIP	\$ 90,000					\$ 90,000
<b>TOTAL</b>		<b>\$ 90,000</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$179,200</b>	<b>\$375,200</b>	<b>\$ 644,400</b>
<b>CRP Projects</b>							
Sewer Line and Manhole Rehabilitation	Sewer FARF	\$ 125,000	\$ 125,000	\$125,000	\$125,000	\$125,000	\$ 625,000
Sewer System CCTV	Sewer FARF	\$ 104,029	\$ 53,409	\$ -	\$ 64,795	\$ 60,045	\$ 282,278
Backyard Easement Sewer Replacement Projects	Sewer FARF			\$291,320		\$291,320	\$ 582,640
<b>TOTAL</b>		<b>\$ 229,029</b>	<b>\$ 178,409</b>	<b>\$416,320</b>	<b>\$189,795</b>	<b>\$476,365</b>	<b>\$ 1,489,918</b>
<b>GRAND TOTAL</b>		<b>\$ 319,029</b>	<b>\$ 178,409</b>	<b>\$416,320</b>	<b>\$368,995</b>	<b>\$851,565</b>	<b>\$ 2,134,318</b>

# Utilities Report 2019

## I. Flow Report

A. Water Production Total = 114.61 MG  
Comparison: 3.61 MG More Than 2018

B. Sewer Collection Total = 87.33 MG  
Comparison: 9.73 MG More Than 2018

C. Aquifer Level 2019                      Maximum Level                      May 16, 2019: 6190.9'  
   Minimum Level                      November 29, 2019: 6184.3'

Total Change in Static Water Level 2018: 12.4'

Total Change in Static Water Level 2019: 6.6'

D. Precipitation Total                      18/19 Water Year = 71.19"  
   53-Year average = 53.63"  
18/19 Water Year % of the 53-Year average = 132.74%

E. Flow Report Conclusions: Water production increased 3% over the previous year.  
Sewer collection increased 13% over the previous year.

\* The maximum level represents a rough average of the highest levels measured in the aquifer during spring melt period.

\*\* The lowest level recorded in the aquifer was 6,174.0 feet above mean sea level on October 12, 2001. This level is not necessarily indicative of the total capacity of the aquifer.

\*\*\* Creek bed elevation (per Kenneth Loy, West Yost Associates) near Well 2r is 6,186.9 feet.

\*\*\*\* The season total for Precipitation is calculated from October 2018 through September 2019.

\*\*\*\*\* The true average could be higher or lower than the reported value due to the uncertainty of the Old Fire Station precipitation measurement during the period 1994 to 2004.

\*\*\*\*\* The production number is different than scada reports due to time of day reading issues.

## II. Leaks, Repairs, and Maintenance

### A. Water

1. New meters installed: 10
2. Water meters replaced or rebuilt: 8
3. Water meter upgrades: 2
4. Customer service water meters turned on or off: 0
5. Routine leak/high usage detection notification: 151
6. Customer requested leak detection services performed: 15
7. No water responses: 0
8. Fire hydrants flushed: 151
9. Blow-offs flushed: 19
10. Valves exercised: 18
11. Repair/Replace service line: 0
12. Repair leak on water main: 0
13. Backflow devices tested: 531
14. Test District backflows: 4
15. Quarterly vault inspections on Well 1R and Well 3: 8
16. Water tank inspections: 8
17. Water quality complaints serviced: 0
18. Tested commercial meters: 0
19. Replaced Air/Vac breakers: 0
20. Water samples collected:
  - Bacteriological: 24
  - Nitrate: 4
  - Asbestos: 1
  - VOC's: 4

### B. Sewer

1. Sanitary sewer overflows: 0
2. Main line repairs: 0
3. Service line repairs: 0
4. Sewer cleanout repairs: 0
5. Manhole repairs: 2
6. Manhole grouting: 0
7. Cleaning:
  - Spring and fall cleaning of high priority lines
  - Main sewer lines cleaned: 316
8. Inspections:
  - Underground Service Alerts: 156
  - Plan Review: 39
  - Pre-remodel Inspections: 3
  - Final Inspections: 18
  - Fixture count Inspections: 0
  - Water service line Inspections: 18
  - Sewer service line Inspections: 11
  - Sewer main line Inspections: 0
  - Water quality complaint Investigations: 0
  - Water Backflow Inspections: 13
  - Fog Inspections: 0

Toilet rebate Inspections: 0  
Second Unit Inspections: 5

**III. Building and Grounds Maintenance and Repair**

A. 305 Squaw Valley Road Fire Department and Administration

1. Continued monthly service and maintenance of facility and equipment.

B. 1810 Squaw Valley Road District Equipment Garage

1. Continued monthly service and maintenance of facility and equipment.

**IV. Vehicles and Equipment**

A. Vehicles

1. All vehicles received an annual service, with the exception of the Ford Interceptor and Ford F-150 which received biannual services.

B. Equipment

1. All small equipment received an annual service.

**V. Administrative**

A. Hanson data input.

B. VUE Works migration from Hanson.

**VI. Operation & Maintenance Projects**

A. Vegetation removal from access roads to tanks

B. Gate valve box repairs

C. Continued Operations and Maintenance of SV Mutual Water Company.

D. Sewer System I/I inspection

E. 2019 CCTV Sewer Project

F. Manhole Repairs

G. Spring and Fall Flushing

H. Annual Sewer Cleaning

I. High Priority Cleaning

J. Hydrant Ballard Repairs

K. Horizontal Well Pressure Test

L. Tank Inspections

M. West Tank access road repaired

N. Locating all ARV's

O. Meter Box replacements

P. Replaced Stables property Fire Hydrant Valve, Line and Hydrant

Q. Repaired Leak on ARV on Bike Path

R. Repaired Service Line leak for Mutual at 1652 Sandy Way

**VII. Summary**

The Operations department was able to make a number of repairs to assets in the district this year including water leaks that were found. The District continued a contract to operate and maintain the Squaw Valley Mutual Water Company. Training continued this year keeping the district crew as knowledgeable and up to date as possible so that we may provide the best available service to our customers.

## **VIII. Safety Training**

1/8/2019 Sexual Harassment Prevention, Target Solutions  
Brandon, Jason, Schel,  
1/11/2019 Slips, Trips and Falls, SDRMA Booklet  
Joshua, Jason, Schel, Sam, John, Brandon  
2/21/2019 CA Local Agency Ethics (AB 1234), Target Solutions  
Brandon  
3/8/2019 Evacuation, SDRMA Booklet  
Joshua, Brandon, Jason, John, Sam  
3/29/2019 Working Outdoors Mosquitoes & Ticks, SDRMA Booklet  
Joshua, Brandon, John, Sam, Schel  
4/19/2019 Diversity Food for Thought, SDRMA Booklet  
Joshua, Brandon, John, Sam  
5/24/2019 Heat Stress, SDRMA Booklet  
Joshua, John, Schel, Sam, Jason  
6/21/2019 Public Building Security, SDRMA Booklet  
Joshua, Sam, John, Schel, Jason  
7/26/2019 Driven to Distraction II, SDRMA Booklet  
Joshua, Brandon, John, Sam, Schel  
8/9/2019 Ergonomics, SDRMA Booklet  
Joshua, Ty, Nic, Jason, John, Brandon, Sam, Schel  
11/27/2019 Blood Borne Pathogens, SDRMA Booklet  
Joshua, Brandon, Sam, Nic, Jason, Ty, Schel  
12/6/2019 Recognizing Drug and Alcohol Abuse, SDRMA Booklet  
Joshua, Brandon, Nic, Schel, Jason, Ty, Sam  
12/27/2019 Fire Safety, SDRMA Booklet  
Brandon, Joshua, Jason, Nic, Ty, Schel, Sam  
12/27/2019 Customer Service, SDRMA Booklet  
Brandon, Joshua, Jason, Ty, Nic, Schel, Sam

## **IX. Occupational Training**

1/17/2019 Trackless Logs and Maintenance, 1810 Squaw Valley Rd.  
Sam, Schel, Jason, John, Joshua  
1/25/2019 Backflow Re-Certification Class, B&L Backflow  
Schel  
4/1/2019 Flushing Hydrants, 1810 Squaw Valley Rd.  
Joshua, John, Jason  
5/2/2019 SSO Documentation, DKF Solutions  
Brandon, Joshua  
5/8/2019 Properties of Natural Gas, CWEA  
Joshua, Brandon  
5/8/2019 FOG Programs, CWEA  
Joshua, Brandon  
5/8/2019 Chemical Storage and Tank Inspections, CWEA  
Brandon, Joshua  
5/17/2019 SSMP SSO Response Plan, 305 Squaw Valley Rd.  
Brandon, Joshua, Schel, John, Sam, Jason

5/18/2019 Prowler Sewer Cleaning Operation, Winding Creek Easement  
Joshua, Schel, Jason, Sam, John

5/19/2019 How to Run a Collection System, DKF Solutions  
Joshua, Brandon

7/26/2019 Backflow Re-Certification Class, B&L Backflow  
Joshua

8/13/2019 Surface Go and Jetpack, 305 Squaw Valley Rd.  
Joshua, Ty, Nic, Schel, Jason, Sam

8/26/2019 Personal Safety Equipment, 305 Squaw Valley Rd.  
Joshua, Nic, Ty

8/26/2019 Wacker Operation, 1810 Squaw Valley Rd.  
Joshua, Nic, Ty

8/27/2019 Hydro Excavating with Vac Con, HWY 89  
Joshua, Nic, Ty

9/9/2019 Calibrate pH Probe Wall Mount/Hand Held, Main Well  
Joshua, Nic, Ty

9/9/2019 Calibrate Caustic Pumps, Main Well  
Joshua, Sam, Nic, Ty

10/15/2019 Placer County Drinking Water Workshop, OVI  
Joshua, Brandon

11/6/2019 Trackless Logs and Maintenance, 1810 Squaw Valley Rd.  
Joshua, Nic, Ty

12/5/2019 Mutual Generator Operations, Mutual Well House  
Joshua, Nic, Ty, Sam, Jason, Schel

12/17/2019 Underground Utility Locator Training, DKF Solutions  
Joshua



## Water System Inventory – 2019

1. Water Well #1R – 377 GPM average. \*
2. Water Well #2R – 310 GPM average. \*, \*\*
3. Water Well #3 – 106 GPM average. \*
4. Water Well #4 – (Not in Service)
5. Water Well #5R – 392 GPM average. \*
6. Horizontal Well – (Out of Service). \*, \*\*\*

2019 Total average flow – 1,185 GPM \*\*\*\*

7. West Tank - 1,150,000 Gallon Water Tank
8. East Tank - 500,000 Gallon Water Tank
9. Zone 3 Tank - 135,000 Gallon Water Tank

Total Storage – 1,785,000 Gallons

10. 2 Booster Pumping Stations
11. 838 Water Meters connected per Billing
12. 138 Fire Hydrants
13. 34 Air Release Valves
14. 515 Backflow Prevention Devices
15. 417 Gate Valves

### Notes:

\* GPM averaged from the time wells were on and running.

\*\* Well 2R GPM is affected by seasonal aquifer level changes. During low aquifer level years the well GPM is reduced to prevent pumping below the well screens.

\*\*\* Horizontal Well is out of service. When it runs GPM is affected by gravity flow and changes from one year to the next. Longer periods of operation will lower the GPM. The average in 2016 was 70 GPM.

\*\*\*\* 2019 total average flow does not indicate total capacity. This total is the combined GPM flows from all the wells as they were operated in 2019 calendar year.

## Water System Inventory – 2019

16. 17 Butterfly Valves
17. 23 Blow Off Assemblies
18. 5 Control Valves (Granite Chief, East Booster, Zone 3 Booster, Hz Well)
19. 3 Transducer Stations (West Tank, East Tank, and Zone Three Tank)
20. 7 Remote Terminal Units (RTU), SCADA Telemetry System
21. 12,761 Feet 12" Water Distribution Main
22. 10,752 Feet 10" Water Distribution Main
23. 32,312 Feet 8" Water Distribution Main
24. 21,015 Feet 6" Water Distribution Main
25. 696 Feet 4" Water Distribution Main
26. 990 Feet 2" Water Distribution Main
27. 439 Feet 6" Water Service Line
28. 240 Feet 4" Water Service Line
29. 3,170 Feet 2" Water Service Line
30. 254 Feet 1.25" Water Service Line
31. 39 Feet 1.5" Water Service Line
32. 3,033 Feet 1" Water Service Line
33. 128 Feet ¾" Water Service Line

Total Water Main = 78,526 Feet = 14.872 Miles  
Total Water Services = 7,303 Feet = 1.383 Miles  
Combined Total = 85,829 Feet = 16.250 Miles

# Squaw Valley Public Service District - Year End Water Audit Report

Report Date: January 10, 2020 Performed By: Brandon Burks

Year: 2019

Begin Audit Period: 1/2/19 12:00 AM  
 End Audit Period: 12/31/19 12:00 AM

Total Metered Consumption for audit period specified (including hydrant meters): 93,725,429

Additional Consumption - Unmetered

Fire Department Use: 161,500  
 Hydrant Flushing: 2,657,424  
 Blow-Off Flushing: 50,000  
 Sewer Cleaning: 101,000  
 Street Cleaning:  
 Well Flushing:  
 Tank Overflows:  
 Unread Meter Estimated Reads: 170,000  
 Other:

Total Unmetered Consumption (for audit period specified): 3,139,924

Estimated Unknown Loss - Unmetered

Known Theft: \_\_\_\_\_  
 Known Illegal Connections: \_\_\_\_\_  
 Total Estimated leaks that have been repaired: 388,800  
 Total Estimated Unmetered (for audit period specified): 388,800

Total Production for audit period specified: 113,610,231

Total Metered/Unmetered Consumption for audit period specified: 97,254,153

**Total Water Loss (Production - Consumption): 16,356,078**  
**Loss Percentage: 14.4% \*\*\***

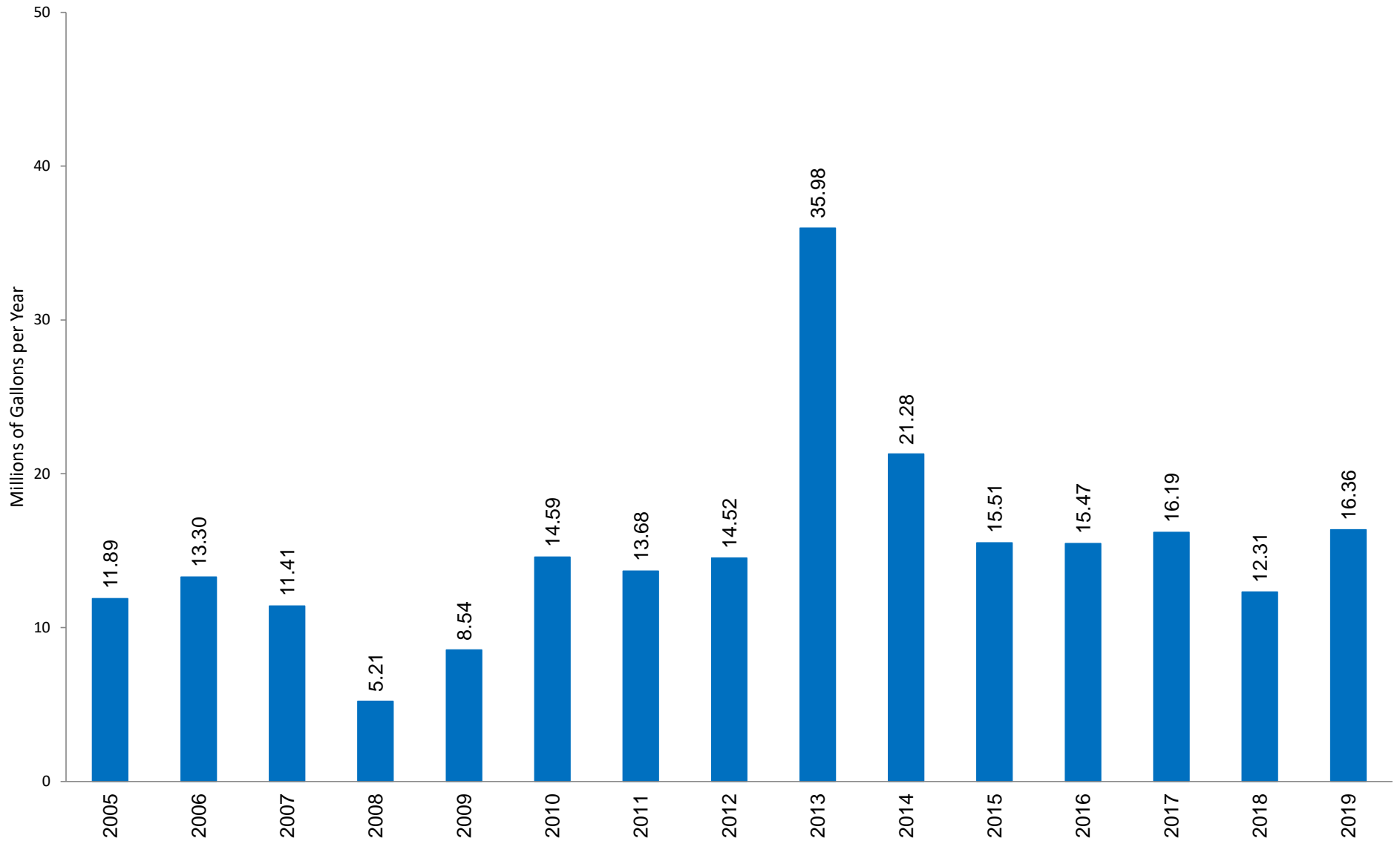
**Comments:** The production totals are different than the monthly report due to a different time frame being used.

\* Instructions - Only fill in the blue cells \*

\* Note - All Production & Consumption Totals In U.S. Gallons \*

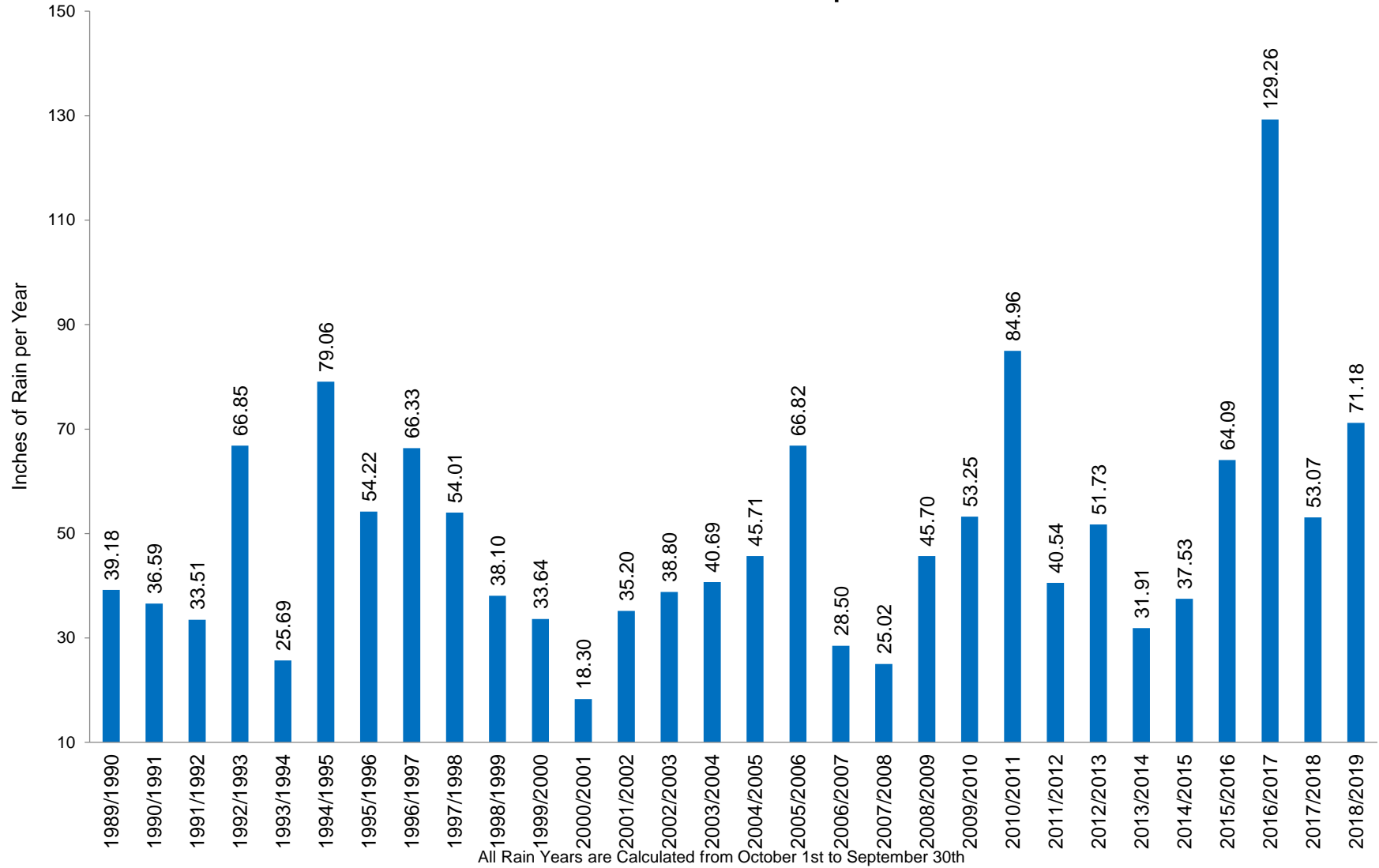
\*\*\* Note - Total Water Loss Percentage included theft, Illegal Connections or Leaks that have been repaired

# SVPSD 15 Year Water Loss Trend

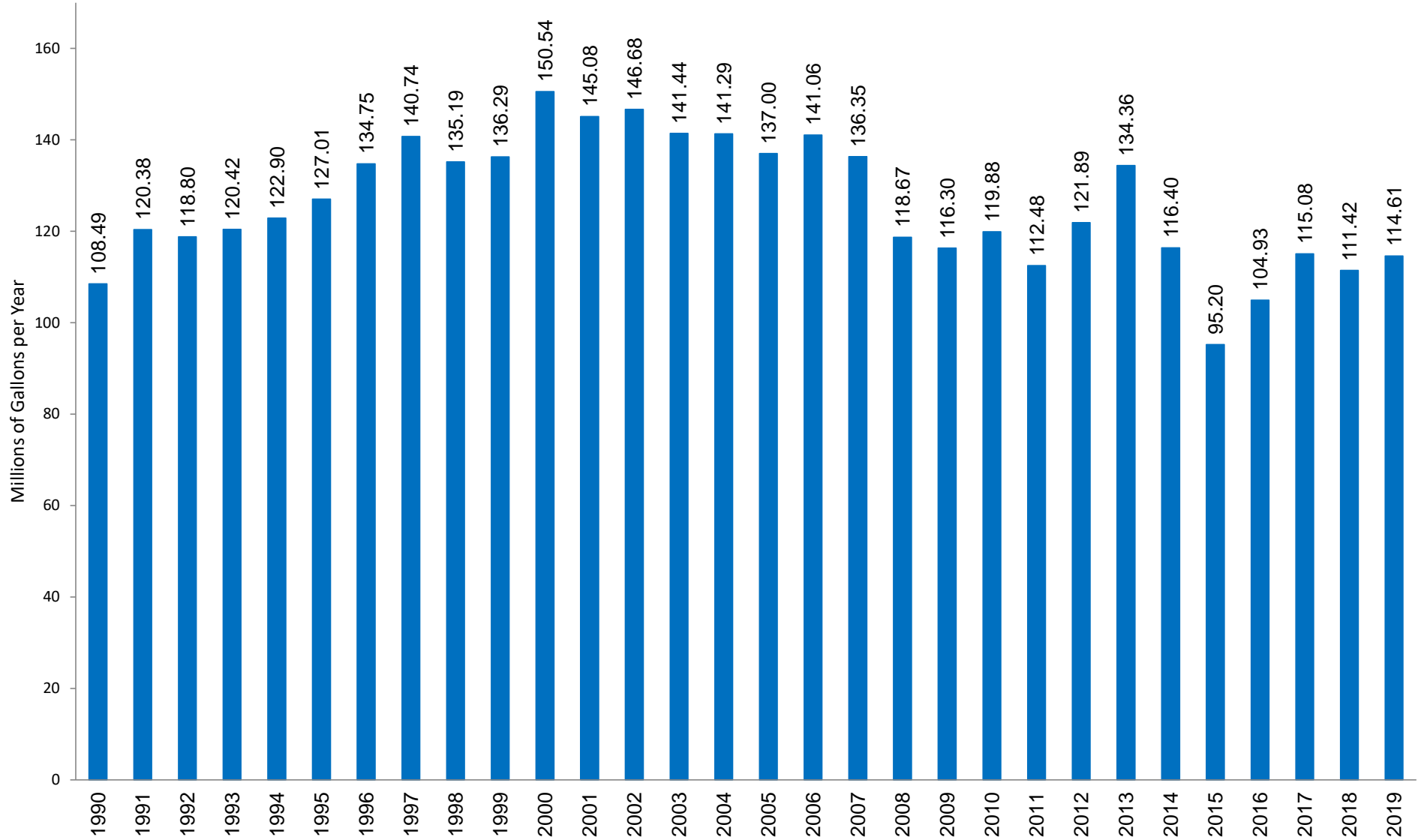


Information comes from from Year End Water Audit Report

# SVPSD 30 Year Precipitation

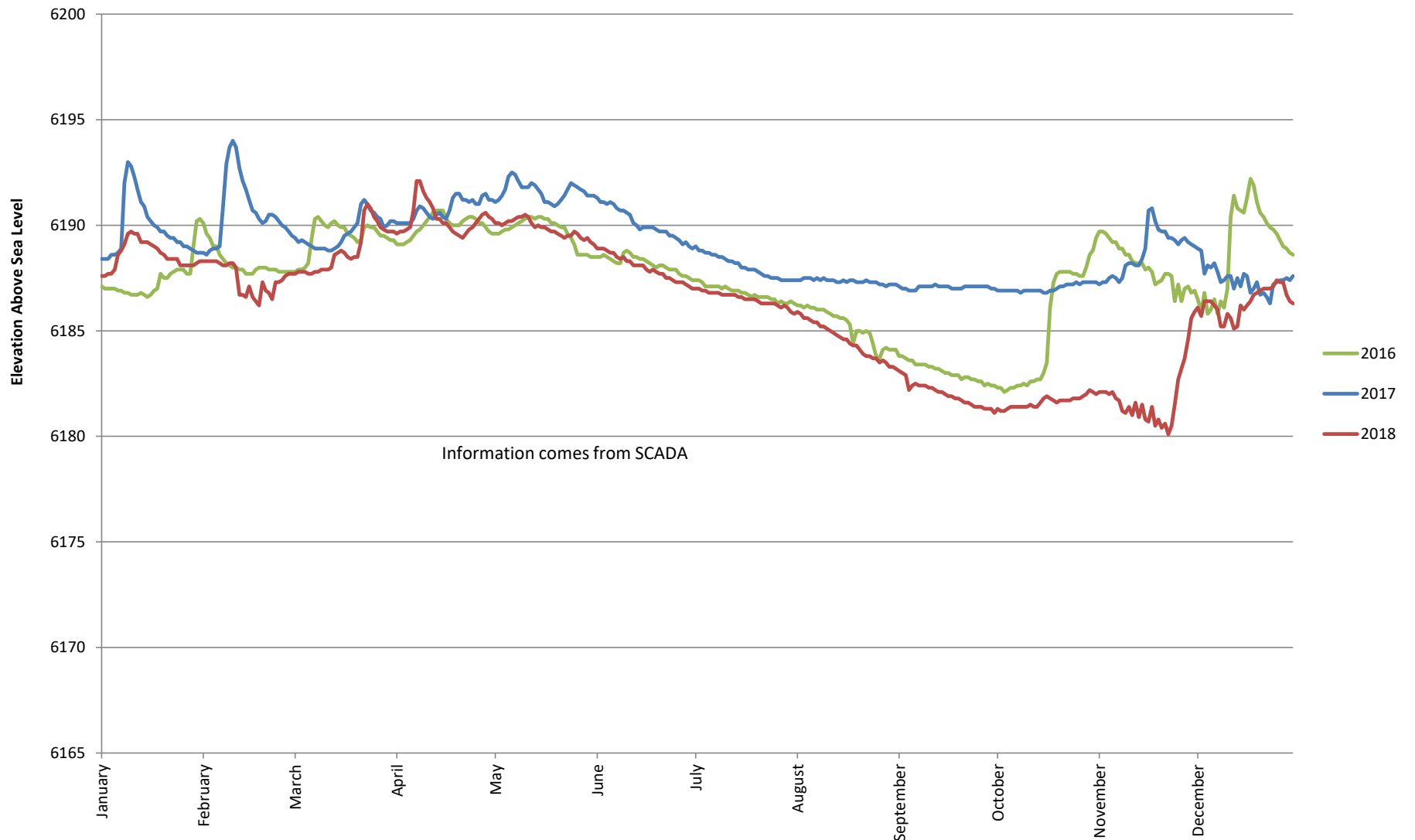


# SVPSD 30 Year Water Production Trend

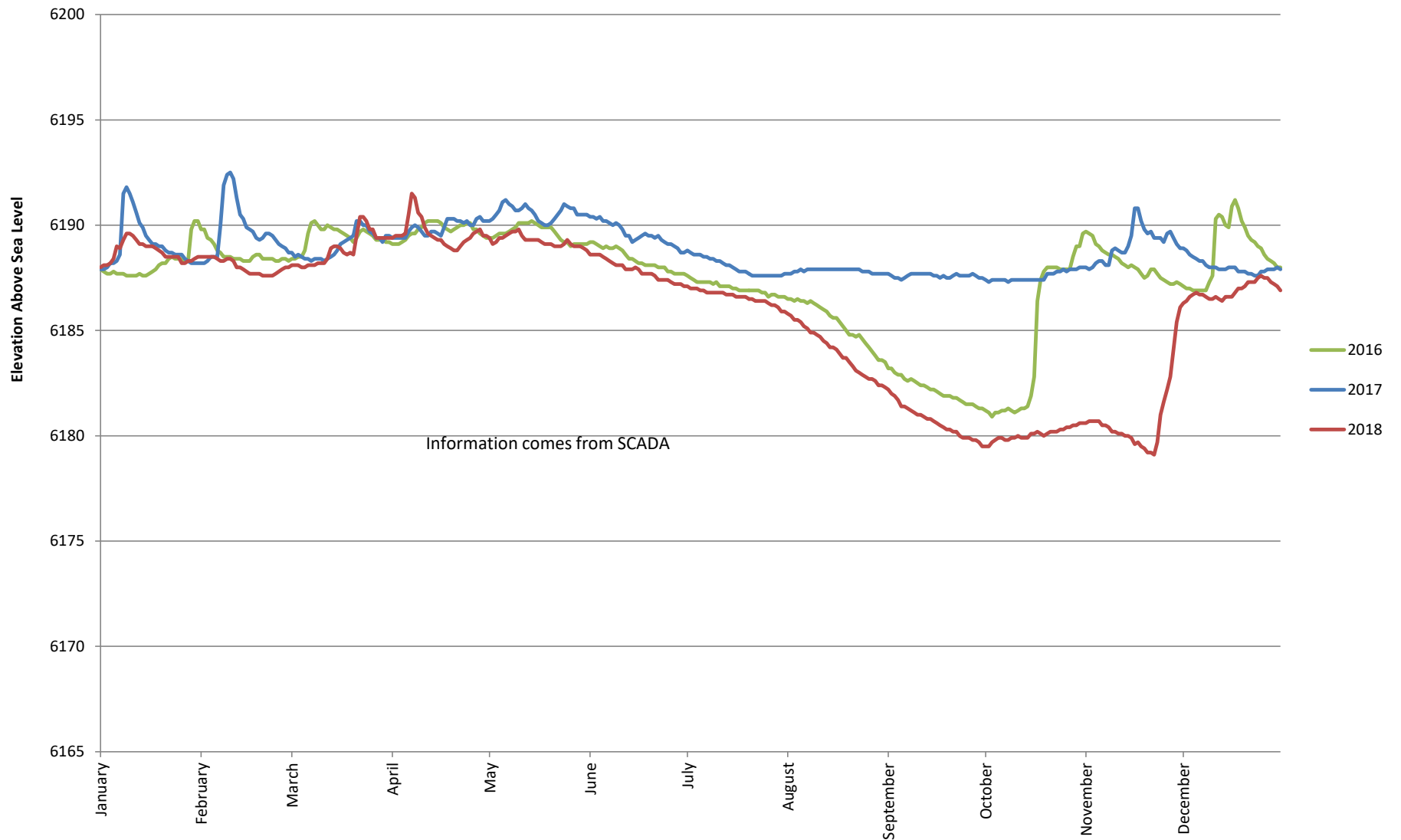


Information comes from from well logs

# SVPSD Water Well 1R 3 Year Aquifer Trend

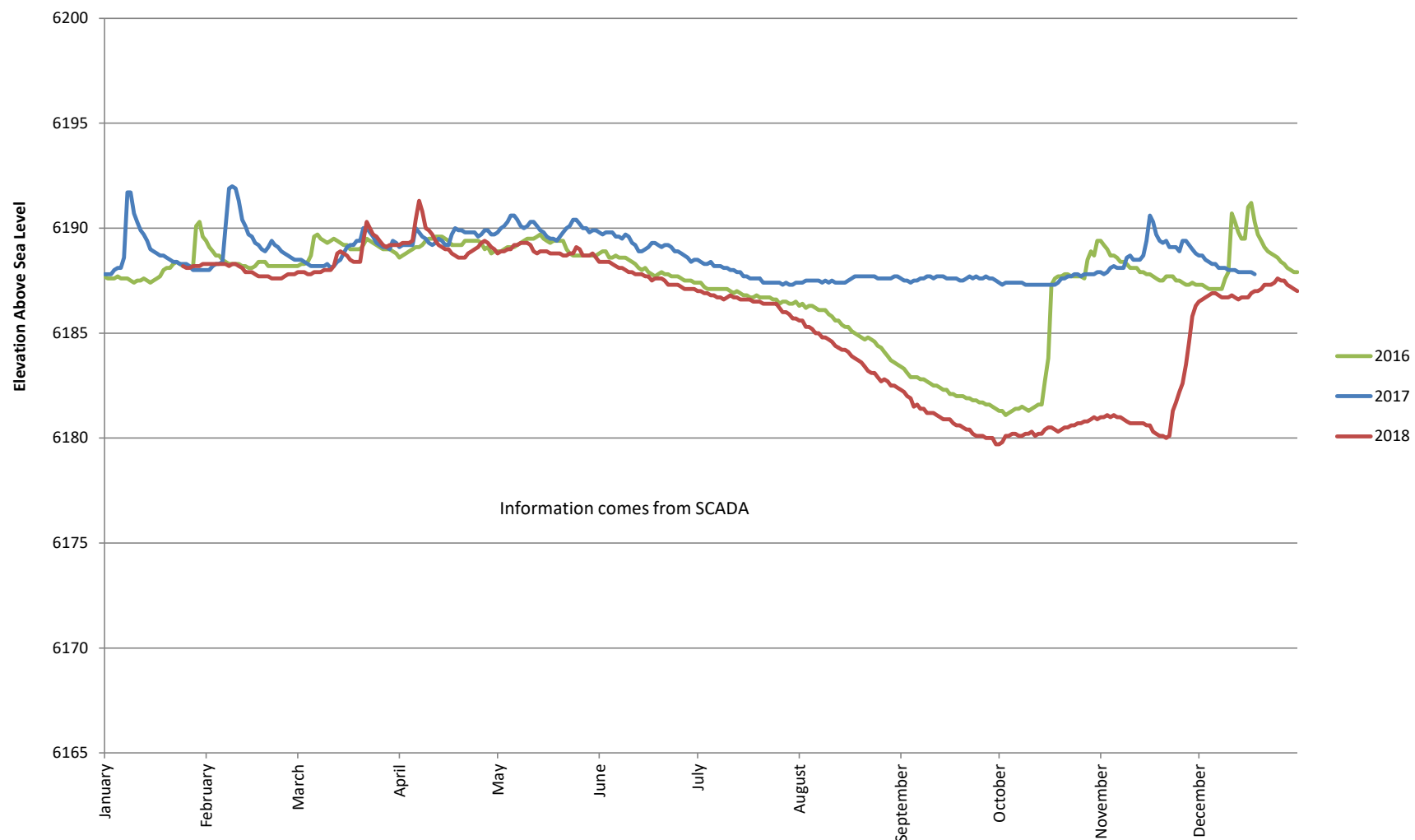


# SVPSD Water Well 2R 3 Year Aquifer Trend





# SVPSD Water Well 5R 3 Year Aquifer Trend



Information comes from SCADA

Note:  
communication to well 5r failed mid 12-18-17 to 1-25-18

Pump Run Hours								
	Well #1R	Well #2R	Well #3	Well #5R Motor	Well #5R Pump	East Boost	Zone-3 #1	Zone-3 #2
Year Installed	2005	2011	2014	1999	2015	2015	1990	1990
1990							30	30
1991							98	66
1992							112	84
1993							120	99
1994							136	146
1995							223	160
1996							363	145
1997							538	338
1998							438	352
1999							612	264
2000							527	640
2001							631	573
2002							493	514
2003							509	503
2004							541	550
2005	209						486	473
2006	1,868						455	468
2007	1,796						438	467
2008	1,552						477	460
2009	1,552						533	388
2010	1,637			172			381	365
2011	1,866	687		1,983			353	344
2012	1,570	1,569		1,681			513	482
2013	1,927	1,923		1,884			417	408
2014	933	1,985	642	1,991			391	393
2015	1,375	1,399	1,358	985	150	348	312	325
2016	1,341	1,326	1,317	1,286	1,286	1,347	415	409
2017	1,622	1,615	1,614	1,447	1,447	1,698	317	313
2018	1,643	1,542	1,547	1,476	1,476	1,769	342	338
2019	1,697	1,640	1,474	1,456	1,456	1,808	333	330
<b>Total Hours</b>	<b>22,588</b>	<b>13,686</b>	<b>7,952</b>	<b>14,361</b>	<b>5,815</b>	<b>6,970</b>	<b>11,534</b>	<b>10,427</b>

Notes:

Annual and total hours in this spreadsheet are restarted from the time of replacement or rebuild of equipment.

Well 1R - the pump and motor was replaced in 2005 after 24,756 hours in service.

Well 2R - the pump and motor was replaced in 2011 after 42,644 hours in service.

Well 3 - the motor was replaced in 2008 after 12,116 hours in service.

Well 3 - the motor was replaced in 2014 after 5,787 hours in service.

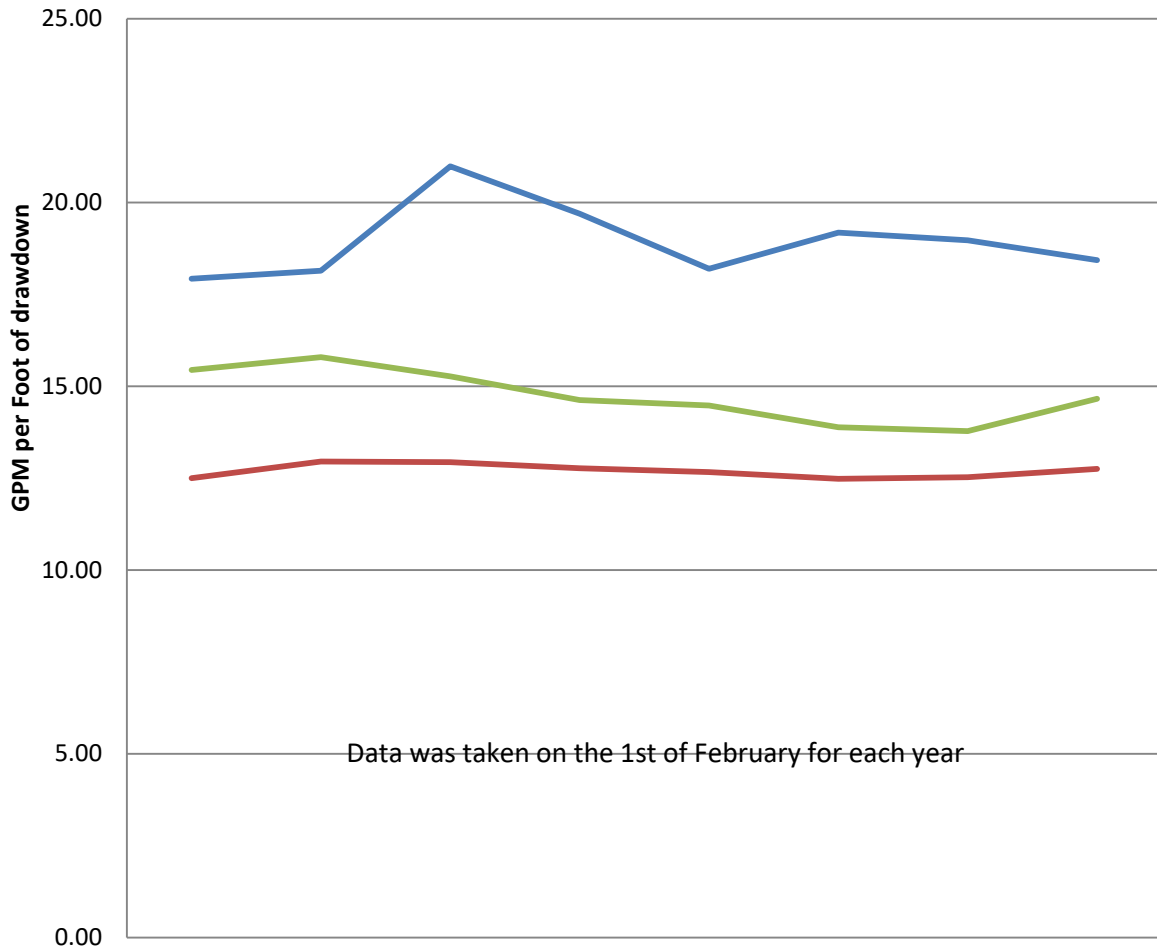
Well 3 - the pump was replaced in 2014 after 17,903 hours in service.

Well 5R - the motor was rebuilt in 2010 after 20,246 hours in service.

Well 5R - the pump was replaced in 2015 after 28,792 hours in service.

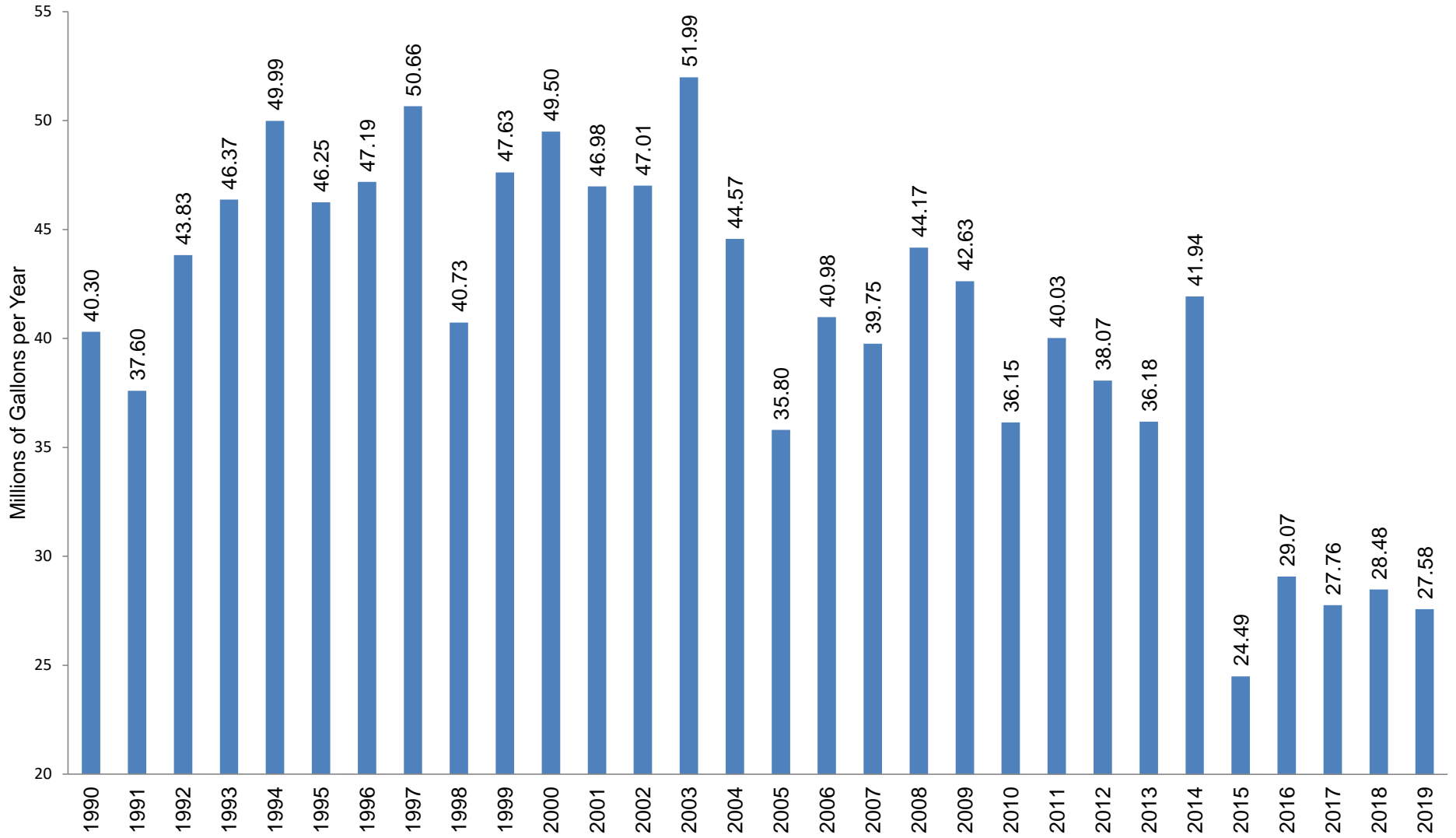
East Booster - the pump and motor was replaced in 2015 after 18,822 hours in service.

## SVPSD Production Wells Specific Capacity



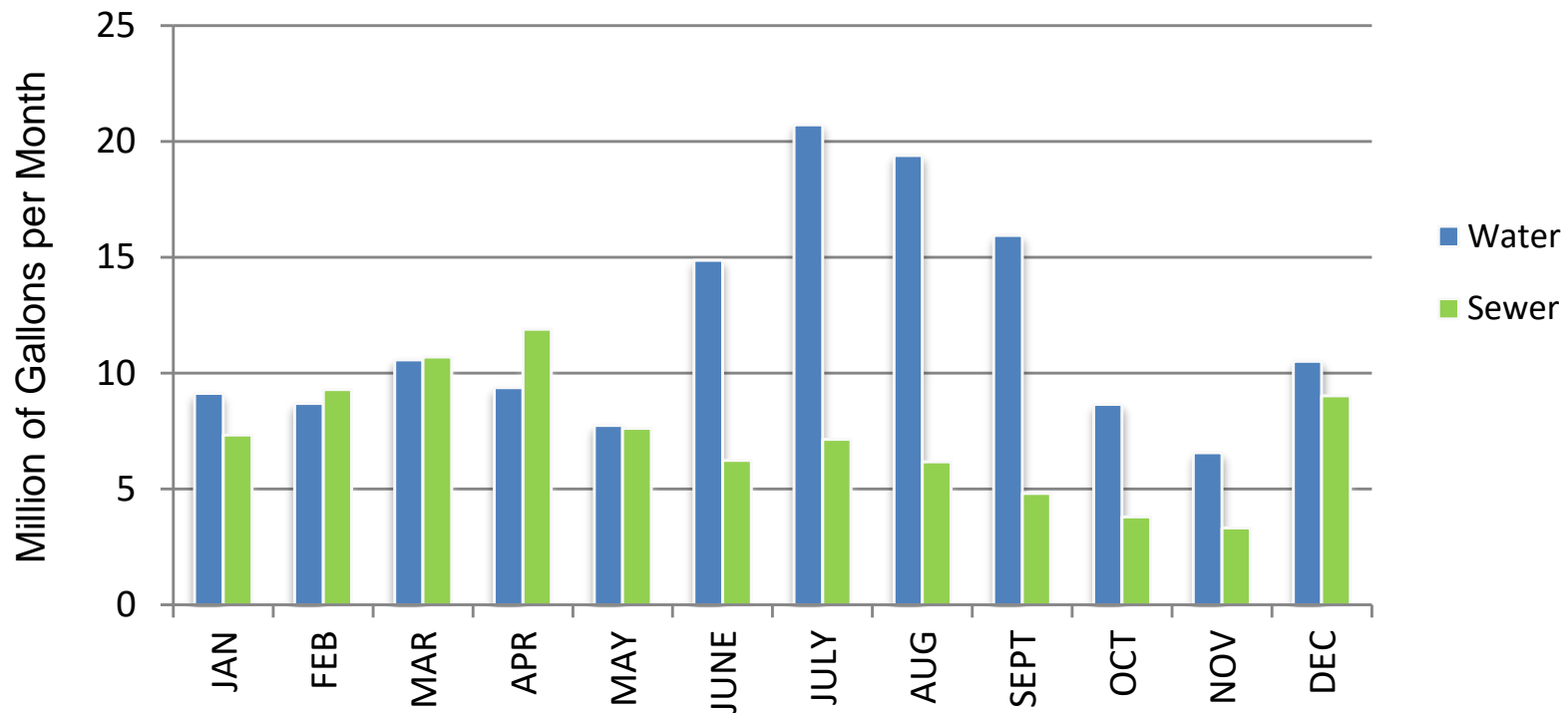
	2013	2014	2015	2016	2017	2018	2019	2020
Well 1R	17.92	18.14	20.98	19.69	18.19	19.18	18.97	18.43
Well 2R	12.50	12.95	12.93	12.77	12.66	12.48	12.52	12.75
Well 5R	15.44	15.79	15.27	14.63	14.47	13.89	13.78	14.66

# SVMWC 30 Year Water Production Trend



Information comes from well logs

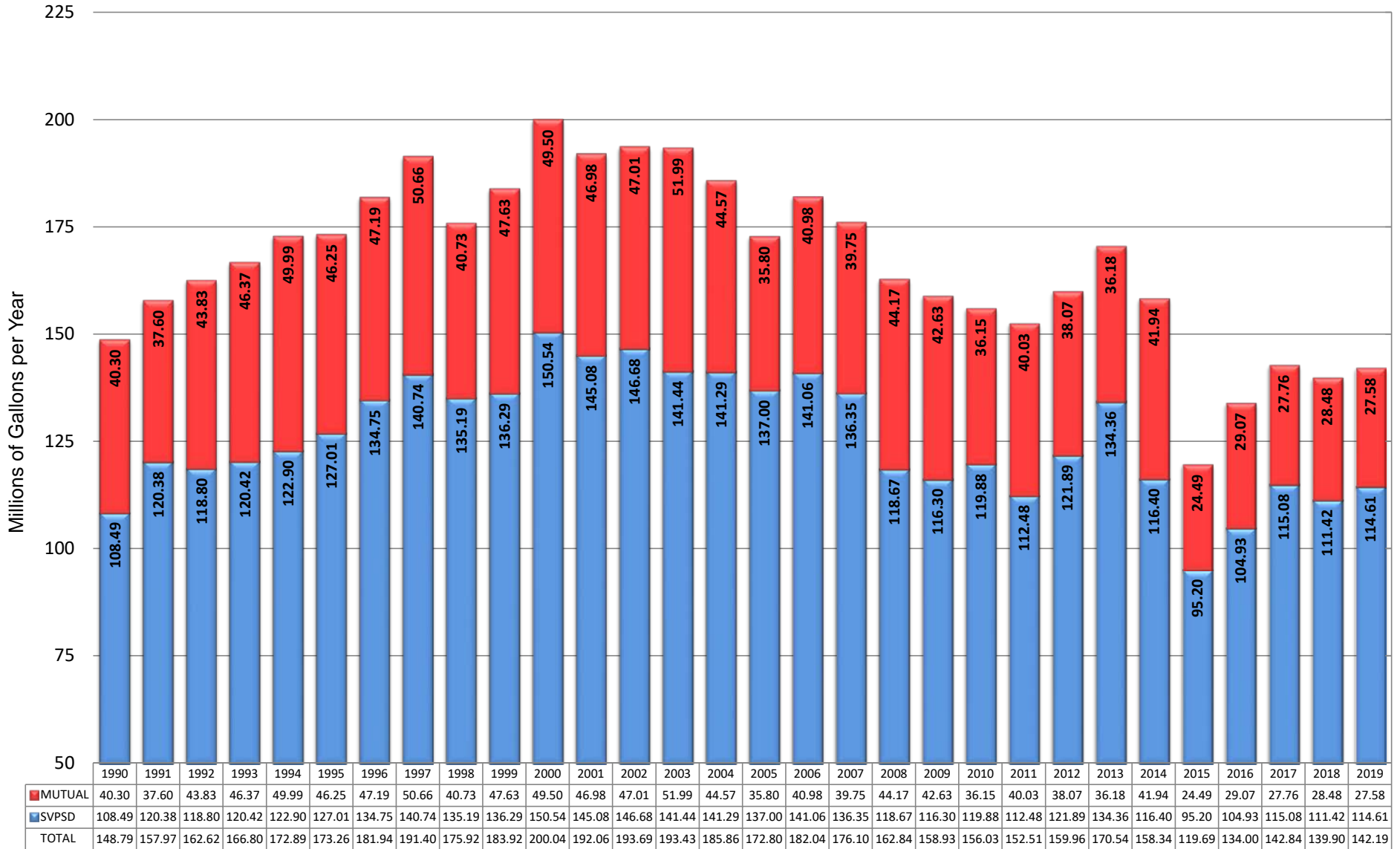
## 2019 Water and Sewer Comparison



Compares Total Monthly Water Production to Total Sewer Collection  
Water information comes from well logs  
Water total includes SVPSP and SVMWC  
Sewer information comes from SCADA

<b>Water and Sewer Production 2019</b>					
	<b>WATER</b>	<b>WATER</b>	<b>WATER</b>	<b>SEWER</b>	
	<b>SVPSD</b>	<b>SVMWC</b>	<b>TOTAL</b>	<b>TOTAL</b>	
JAN	7.60	1.52	9.12	7.34	
FEB	7.14	1.55	8.69	9.29	
MAR	8.96	1.62	10.58	10.69	
APR	8.00	1.38	9.38	11.90	
MAY	6.16	1.59	7.75	7.61	
JUNE	11.67	3.21	14.88	6.24	
JULY	16.48	4.24	20.72	7.14	
AUG	15.32	4.08	19.40	6.17	
SEPT	12.39	3.55	15.94	4.81	
OCT	6.92	1.73	8.65	3.80	
NOV	5.16	1.40	6.56	3.32	
DEC	8.81	1.71	10.52	9.02	
	114.61	27.58	142.19	87.33	Million Gallons
Water information comes from well logs					
Sewer information comes from SCADA					

# 30 Year SVPSD and SVMWC Combined Water Production Trend



Information comes from from well logs

## SEWER SYSTEM INVENTORY – 2019

1. 456 Sanitary Manholes
2. 3 Siphons (6",12",16")
3. 3 Sewer Flow Meters
  - Mag Meter, Painted Rock Siphon T-45A - District owned
  - Mag Meter, Mountain Run - Ski Corp owned
  - Mag Meter, HWY 89 - T-TSA owned
4. 587 Feet 16" Sewer Main
5. 11,791 Feet 15" Sewer Main
6. 3,104 Feet 12" Sewer Main
7. 8,945 Feet 10" Sewer Main
8. 18,242 Feet 8" Sewer Main
9. 54,115 Feet 6" Sewer Main
10. 6,687 Feet 4" Sewer Main
11. 45,052 Feet 4" Sewer Lateral
12. 995 Sewer Connections per Billing
13. 2 Remote Terminal Units (RTU)

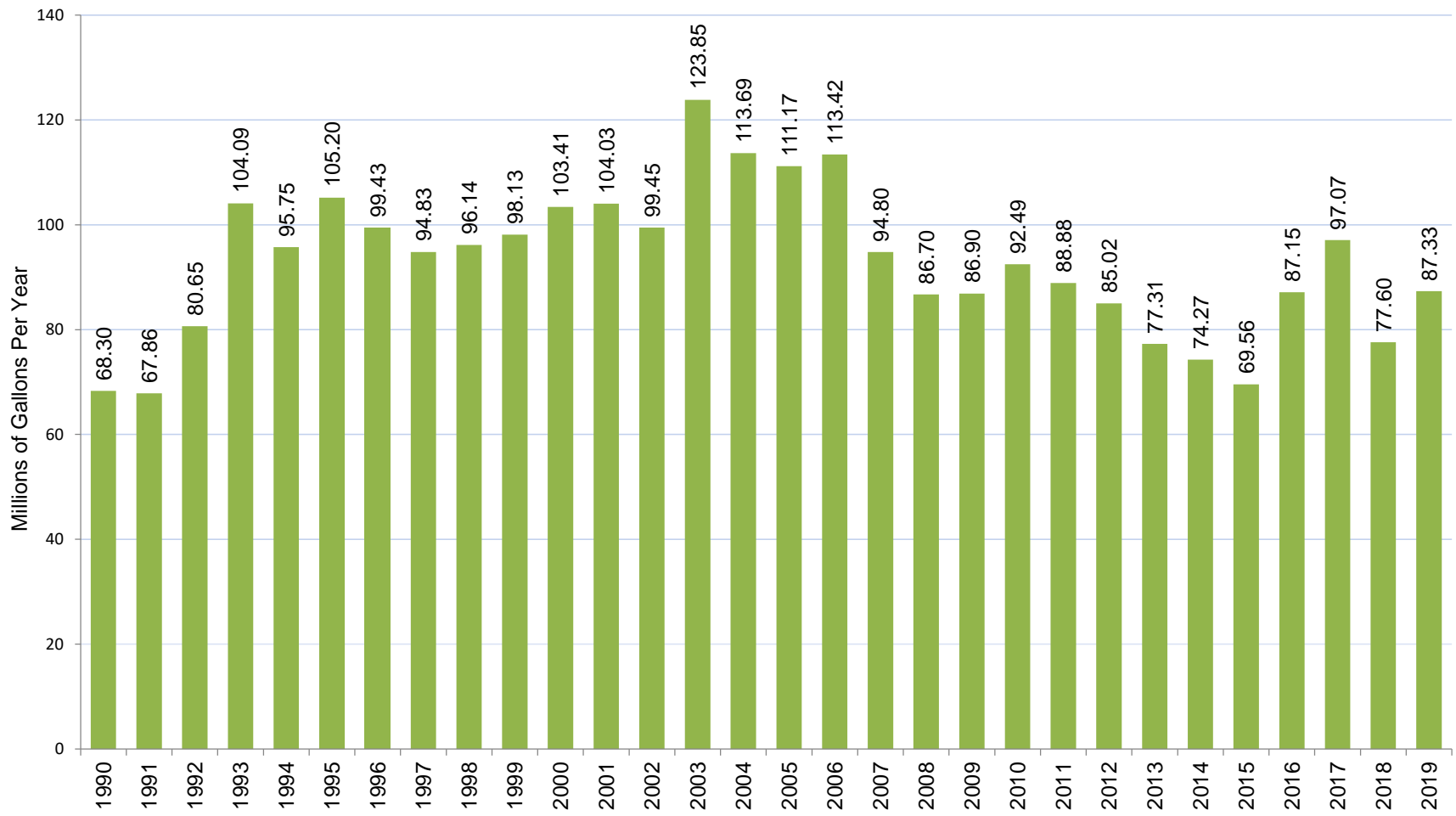
Total Sewer Main = 103,471 Feet = 19.597 Miles

Total Sewer Laterals = 44,152 Feet = 8.532 Miles

Combined Totals = 147,623 Feet = 27.959 Miles



# SVPSD 30 YEAR SEWER FLOW TREND

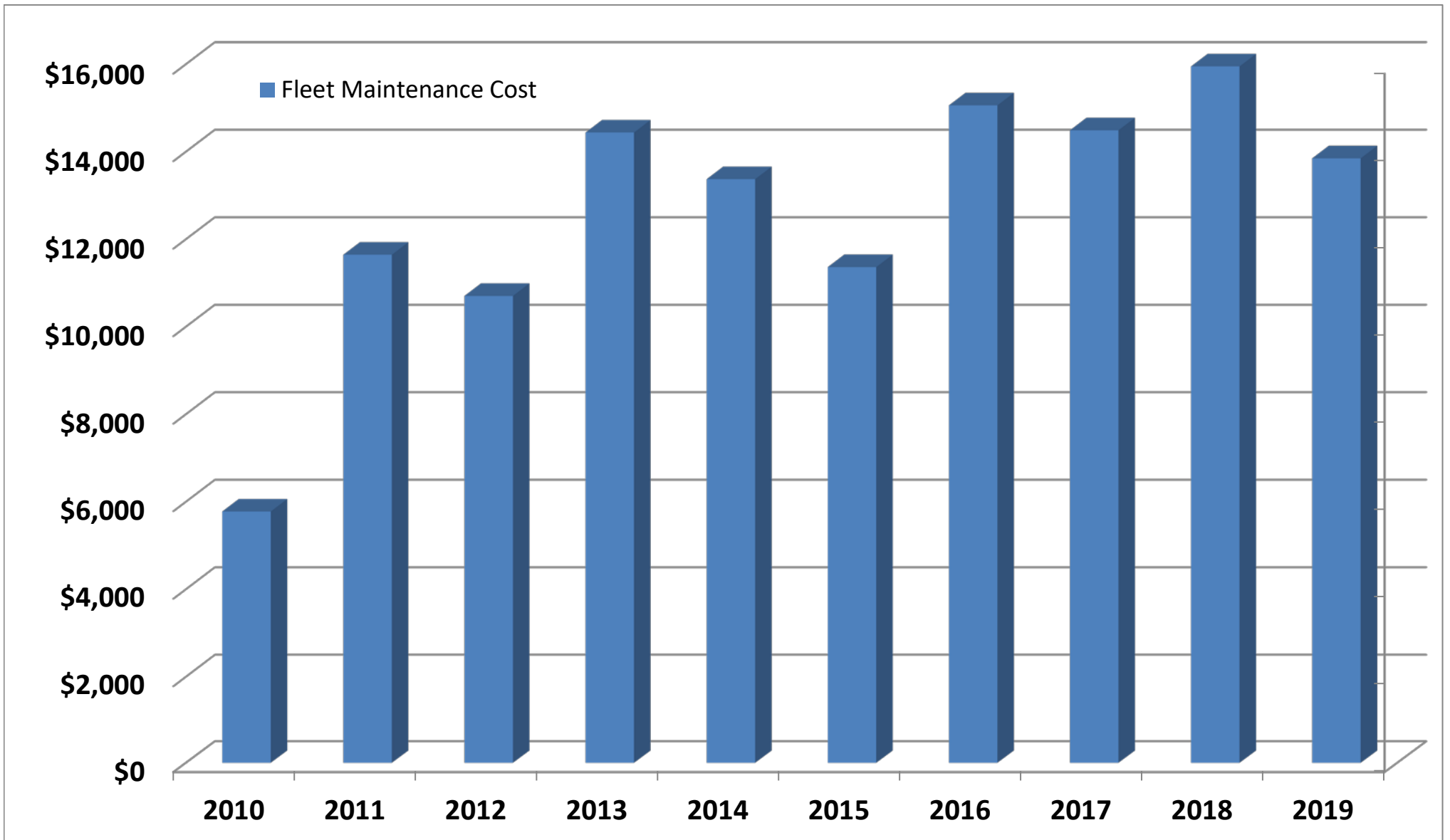


## Annual Report on District Fleet

2019

Vehicle/Equipment	Mileage Hours	Age	Replacement Schedule	Service Life	Annual Use	Maintenance Performed	2019 2020	Maintenance Due	2020 2021
2008 Ford 1 Ton 4x4 Flat	41,157	12	15	3	3,072	Annual Service	\$175	Annual Service New Tires	\$300 \$1,500
1999 Ford Utility 4x4	69,294	21	15	-6	3,313	Annual Service Break Controler	\$175 \$285	Annual Service	\$300
2014 Dodge Ram 4x4	43,469	6	15	9	4,528	Annual Service	\$175	Annual Service	\$300
1997 Ford Explorer	126,638	23	15	-8	1,355	Annual Service	\$175	Annual Service	\$300
2014 F-150 4x4	111,870	6	15	9	18,233	2x Annual Service 100K Service/Replace Brakes	\$175 \$500	2x Annual Service	\$300
2008 F-750 Dump Truck	10,275	12	30	18	527	Annual Service	\$175	Annual Service	\$300
1998 JD 444H Loader	3,811	22	30	8	119	Annual Service New Tires (2)	\$175 \$1,170	Annual Service Chains	\$300 \$1,500
JD Backhoe	355	2	30	28	169	Annual Service	\$175	Annual Service	\$300
1998 JD Air Compressor	391	22	20	-2	4	Annual Service	\$175	Annual Service	\$300
2007 New Holland Westa Sno Blower	551	13	30	17	54	Annual Service	\$175	Annual Service Cutting blade/Wear shoes	\$300 \$ 1,000
2009 Vac-Con Hydro-Vac	8,794	11	30	19	425	Annual Service	\$175	Annual Service	\$300
Power Take Off (PTO)	268	11	30	19	18	New Tires (6)/hydraulic filters	\$4,126	Coolant flush	\$1,000
2009 Duetz Rear Engine	843	11	30	19	99	Annual Service	\$175	Annual Service	\$300
2016 Ford Interceptor	18,597	4	15	11	3,577	2x Annual Service	\$175	2x Annual Service New tires	\$300 \$1,500
6" Trash Pump (2000)	51	20	30	10	3	Annual Service	\$175	Annual Service	\$300
2010 Prowler Easement	221	10	20	10	6	Annual Service	\$175	Annual Service	\$300
Well House Generator (1993)	254	27	40	13	13	Annual Service	\$175	Annual Service	\$300
1810 Generator (1991)	807	29	40	11	10	Annual Service	\$175	Annual Service	\$300
305 Generator (2004)	180	16	40	24	8	Annual Service	\$175	Annual Service	\$300
Equipment/Old Vehicles							\$300	Equipment	\$500
Miscellaneous Shop Supplies						Rags,Cleaning supp. Ect.	\$200	Rags, Cleaning Supp. Ect.	\$500
<b>Total</b>	<b>Fleet Ave.</b>	<b>15.1</b>					<b>\$9,731</b>		<b>\$ 12,900</b>

# 10 Year Vehicle Maintenance Costs



# SVPSD Operation Department 10 Year Fuel Usage Trend

