

Attachment #1

Water Provided to PCRWC#3 Area

(Gallons)

	2011	2011	2011	2012	2012	2012	2012	2013	2,013	2013	2013
	Distributed	Billed	(Loss%)	Distributed	Billed	(Loss%)	Hydrants Flushed	Distributed	Billed	(Loss%)	Hydrants Flushed
January	10,683,000	9,050,400	15.28%	6,376,000	8,237,900	-29.2%	11	10,634,000	7,954,200	25.2%	10
February	12,939,000	9,205,400	28.86%	4,677,000	6,218,100	-32.95%	18	7,898,000	8,056,400	-2.01%	10
March	10,186,300	5,501,700	45.99%	4,137,000	6,925,900	-67.66%	15	6,995,000	6,767,400	3.25%	11
April	16,858,700	14,433,200	14.39%	4,741,000	7,832,400	-63.1%	24	7,463,000	6,815,200	8.68%	9
May	14,342,000	11,846,700	17.4%	6,578,000	13,648,200	-107.48%	24	10,935,000	8,905,800	18.56%	13
June	22,880,000	16,193,800	29.22%	13,692,000	18,196,700	-32.9%	15	14,651,000	10,984,800	25.02%	4
July	34,119,000	16,205,100	52.5%	29,517,000	23,477,700	20.46%	15	18,810,000	15,689,200	16.59%	38
August	27,277,600	28,348,600	-3.93%	34,108,000	39,977,600	-17.21%	15	17,570,000	12,254,200	30.25%	27
September	26,550,000	20,927,900	21.18%	18,924,000	19,778,000	-4.51%	6	19,468,000	16,829,800	13.55%	2
October	16,307,000	12,430,600	23.77%	8,893,000	11,802,400	-3.27%	12	12,369,000	11,815,500	4.47%	10
November	10,379,000	8,904,500	14.21%	10,708,000	11,881,800	-10.96%	24	11,479,000	8,216,200	28.42%	8
December	5,717,000	8,706,700	-52.3%	10,914,000	9,286,100	14.92%	20	9,639,000	7,851,000	18.55%	2
Totals	208,238,600	161,754,600	22.32%	153,265,000	177,262,800	-15.65%	199	147,911,000	122,139,700	17.42%	144

There was a broken meter Dec. 2011 thru June 2012, which is why the numbers are what they are for 2012.

Billing lags behind the usage so it is hard to view the true billed water losses. Multiple years are needed to spot a trend.

Flushing Hydrants and Dead Ends are included in the losses. Gallons flushed is not being recorded when it is done, by the person doing the flushing.

The Fire Departments do not report usage. Rural fires play a part in the losses.

Droughts and earthquakes play a part in water losses, creating breaks in the water pipes. The breaks are not being reported.

Theft of water plays a part in water loss.

Formula for Water Loss=Distributed-Billed/Distributed

Total in the (Loss) is the Average of those Months.

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Water Provided to PCRWC#3 Area

(Gallons)

	2014	2014	2014	2014	2015	2015	2015	2015	2,016	2016	2016
	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>	<u>Hydrants Flushec</u>	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>	<u>Hydrants Flushed</u>	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>
January	11,630,000	9,050,400	22.18%	22	17,960,000	9,009,500	49.84%	8	13,089,900	7,451,300	43.08%
February	9,860,000	9,205,400	6.64%	14	9,596,200	8,537,600	10.42%	6	11,466,500	6,984,500	39.08%
March	9,115,000	7,794,200	14.49%	2	17,089,100	6,228,200	63.55%	6	10,568,200	7,208,600	31.79%
April	13,803,700	9,633,300	30.21%	3	18,654,500	11,148,900	40.23%	4	61,837,800	10,223,800	83.35%
May	18,203,700	16,782,399	7.81%	14	14,985,400	9,589,600	36%	10	18,198,800	8,500,600	53.29%
June	12,640,400	12,477,000	1.29%	16	14,251,700	9,980,100	29.97%	9	20,590,300	13,371,800	35.06%
July	13,433,000	14,084,600	-4.85%	36	13,790,400	16,438,300	-19.20%	0	22,336,800	13,050,400	41.57%
August	16,258,200	15,740,400	3.18%	11	20,599,700	18,167,800	11.81%	0	21,597,000	15,248,000	29.40%
September	19,496,100	14,928,100	23.43%	31	17,448,000	15,537,400	10.95%	57	20,347,900	14,609,700	28.20%
October	19,443,600	11,768,400	39.47%	20	16,751,400	12,744,500	23.92%	50	18,137,800	9,612,400	47.00%
November	19,429,900	9,658,500	50.29%	13	8,871,800	8,911,000	-0.44%	15	18,832,100	9,375,200	50.22%
December	15,416,700	6,324,500	58.98%	13	10,182,900	7,469,000	26.65%	18	12,199,700	8,427,700	30.92%
Totals	178,730,300	137,447,199	21.09%	195	180,181,100	133,761,900	23.64%	183	249,202,800	124,064,000	42.75%
		23.10%				25.76%				50.02%	

There was a meter that was not read for Dec. 2015 thru March 2016 which is why the numbers are what they are for 2016.

	2017	2017	2017	2017	2018	2018	2018	2018	2019	2019	2019	2019
	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>	<u>Hydrants Flushe</u>	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>	<u>Hydrants Flushed</u>	<u>Distributed</u>	<u>Billed</u>	<u>(Loss%)</u>	<u>Hydrants Flushed</u>
January	12,126,800	8,236,800	32.07%	38	13,302,300	10,079,800	24.23%	13	6,795,000	7,244,500	-6.62%	Not Provided
February	11,684,600	10,159,800	15.62%	64	14,041,100	7,632,300	45.64%	24	14,246,600	6,362,200	55.34%	Not Provided
March	12,984,900	7,823,600	39.75%	79	12,494,600	7,997,800	35.99%	15	12,567,200	6,188,400	50.75%	Not Provided
April	16,314,700	9,504,900	41.74%	128	13,260,500	7,680,300	42.08%	12	12,003,000	6,805,100	43.31%	Not Provided
May	9,058,800	7,868,800	13.14%	59	15,565,700	11,613,200	25.39%	10	9,212,800	7,816,500	15.16%	Not Provided
June	12,326,400	14,648,900	-18.84%	4	16,032,100	17,197,300	-7.27%	1	10,180,300	8,581,000	15.71%	Not Provided
July	10,992,300	15,806,300	-43.79%	65	19,163,100	14,474,900	24.46%	Not Provided	11,761,300	15,689,800	-33.40%	75
August	9,059,500	16,550,400	-82.68%	46	16,008,300	16,885,200	-5.48%	Not Provided	6,802,100	19,281,800	-183.47%	105
September	100,324,700	15,997,100	84.05%	68	17,897,900	12,116,400	32.30%	Not Provided	8,821,400	12,961,500	-46.93%	97
October	-79,717,600	9,356,100	111.74%	45	14,114,500	8,614,900	38.96%	Not Provided	8,070,000	8,603,300	-6.61%	100
November	13,034,800	8,108,000	37.80%	37	14,470,700	7,639,800	47.21%	Not Provided	7,728,500	8,505,900	-10.06%	4
December	11,851,700	6,864,600	42.08%	22	13,775,300	7,087,300	48.55%	Not Provided	6,874,700	6,510,400	5.30%	0
Totals	140,041,600	130,925,300	22.72%	655	180,126,100	129,019,200	27.08%		115,062,900	114,550,400	0.45%	
		6.51%										

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	2020	2020	2020	2020	2021	2021	2021	2021
	Distributed	Billed	(Loss%)	Hydrants Flushed	Distributed	Billed	(Loss%)	Hydrants Flushed
January	15,258,865	7,307,500	52.11%	3	9,871,030	8,138,500	17.55%	50
February	15,209,223	6,692,700	60%	0	9,744,090	8,772,000	9.97%	31
March	14,878,857	6,660,200	55.24%	2	9,238,610	7,613,500	17.59%	71
April	14,404,232	6,602,800	54.76%	2	10,692,270	8,990,800	15.91%	44
May	15,620,973	11,147,700	28.64%	8	10,823,660	8,876,300	17.99%	42
June	20,618,141	17,076,600	17.18%	11	11,745,505	10,228,700	12.91%	36
July	14,015,150	17,175,300	-22.55%	9				
August	29,751,450	19,285,400	35.18%	11				
September	19,172,500	16,201,300	15.50%	3				
October	14,039,850	13,331,700	5.04%	0				
November	11,478,650	11,273,300	1.79%	37				
December	7,594,340	7,819,800	-2.97%	82				
Totals	192,042,231	140,574,300	26.80%	168				

The water department has quit providing the numbers for me to continue this report

