

WATER SYSTEM-Comparison of gallons sold: gallons treated: projected gallons lost												
Year	Days	Month	Gallons Produced (Measurement taken from well field)	Gallons Per Minute pumped	Gallons Sold (customer meter readings)	Gallons Per Minute Sold	Gallons Per Day per Person	Difference Gallons per day per person sold vs. treated	Gallons Lost	GPM Lost	GPM LOSS %	
10/31/2021	31 Oct		10,815,559.00	242.28	4,785,000.00	107.19	90.80	114.43	6,030,559.00	135.09	56%	56%
11/30/2021	30 Nov		7,146,213.00	165.42	3,266,000.00	75.60	64.04	76.08	3,880,213.00	89.82	54%	54%
12/31/2021	31 Dec		6,653,636.00	149.05	3,242,000.00	72.63	61.52	64.74	3,411,636.00	76.43	51%	51%
1/31/2022	31 Jan		7,880,002.00	176.52	3,348,000.00	75.00	63.53	86.00	4,532,002.00	101.52	58%	58%
2/28/2022	28 Feb		6,710,938.00	166.44	3,605,000.00	89.41	75.74	65.25	3,105,938.00	77.03	46%	46%
3/31/2022	31 Mar		7,340,032.00	164.43	3,537,000.00	79.23	67.12	72.16	3,803,032.00	85.19	52%	52%
4/30/2022	30 Apr		7,573,581.00	175.31	3,042,000.00	70.42	59.65	88.85	4,531,581.00	104.90	60%	60%
5/31/2022	31 May		9,504,187.00	212.91	5,392,741.00	120.81	102.33	78.02	4,111,446.00	92.10	43%	43%
6/30/2022	30 Jun		20,081,792.00	464.86	14,781,000.00	342.15	289.82	103.94	5,300,792.00	122.70	26%	26%
7/31/2022	31 Jul		23,337,026.00	522.78	17,734,000.00	397.27	336.51	106.32	5,603,026.00	125.52	24%	24%
8/31/2022	31 Aug		21,667,052.00	485.37	14,687,000.00	329,009,566	278.69	132.45	6,980,052.00	156.36	32%	32%
9/30/2022	30 Sep		16,559,643.00	383.33	14,232,000.00	329,444,444	279.06	45.64	2,327,643.00	53.88	14%	14%
10/31/2022	31 Oct		9,811,680.00	219.80	5,742,000.00	128,629,032	108.96	77.22	4,069,680.00	91.17	41%	41%
11/30/2022	30 Nov		8,269,358.00	191.42	4,867,000.00	112,662,037	95.43	66.71	3,402,358.00	78.76	41%	41%
12/31/2022	31 Dec		5,795,417.00	185.25	3,767,000.00	84,386,20072	71.48	38.49	4,502,358.00	100.86	78%	78%
1/31/2023	31 Jan		5,255,082.00	129.83	3,510,000.00	78,629,03226	66.60	33.11	2,285,417.00	51.20	43%	43%
2/28/2023	28 Feb		5,457,208.00	135.35	3,871,000.00	96,006,9444	81.32	33.32	1,586,208.00	39.34	29%	29%
3/31/2023	31 Mar		5,683,790.00	127.33	3,425,000.00	76,724,91039	64.99	42.86	2,258,790.00	50.60	40%	40%
4/30/2023	30 Apr		4,671,179.00	108.13	3,776,000.00	87,407,40741	74.04	17.55	895,179.00	20.72	19%	19%
5/31/2023	31 May		9,206,536.00	206.26	16,139,000.00	361,536,7364	306.29	131.55	6,322,536.00	118.90	75%	75%
6/30/2023	30 Jun		14,253,105.00	329.93	13,632,000.00	315,555,556	267.29	12.18	621,105.00	14.38	4%	4%
7/31/2023	31 Jul		20,254,839.00	453.74	18,062,000.00	404,614,6953	342.73	41.61	2,192,839.00	49.12	11%	11%
8/31/2023	31 Aug		18,941,684.00	424.32	18,132,000.00	406,182,7957	344.06	15.36	809,684.00	18.14	4%	4%
9/30/2023	30 Sep		14,771,362.00	340.77	14,178,000.00	328,194,444	278.00	10.65	543,362.00	12.58	4%	4%
10/31/2023	31 Oct		6,700,912.00	150.11	6,209,000.00	139,090,5018	117.82	9.33	491,912.00	11.02	7%	7%
11/30/2023	30 Nov		4,989,272.00	115.49	3,933,000.00	91,041,6667	77.12	20.71	1,056,272.00	24.45	21%	21%
12/31/2023	31 Dec		5,430,280.00	121.65	3,662,000.00	82,034,05018	69.49	33.55	1,768,280.00	39.61	33%	33%
1/31/2024	31 Jan		4,010,817.00	89.85	4,119,000.00	92,271,50538	78.16	(2.05)	-108,183.00	(2.42)	-3%	-3%
2/29/2024	28 Feb		4,065,112.00	100.82	4,559,000.00	113,070,4365	95.78	(10.38)	-493,888.00	(12.25)	-12%	-12%
3/31/2024	31 Mar		5,014,632.00	112.33	3,547,000.00	79,457,8853	67.31	27.85	1,467,632.00	32.88	29%	29%
4/30/2024	30 Apr		5,605,750.00	129.76	4,226,000.00	97,824,07407	82.86	27.05	1,379,750.00	31.94	25%	25%
5/31/2024	31 May		6,112,985.00	136.94	16,822,000.00	376,836,9126	319.26	(209.21)	-10,709,015.00	(239.90)	-475%	-475%
6/30/2024	30 Jun		20,424,940.00	472.80	17,590,000.00	407,175,9259	344.90	55.59	2,834,940.00	65.62	14%	14%
7/31/2024	31 Jul		24,046,039.00	538.67	21,906,000.00	490,725,8055	415.67	40.61	2,140,039.00	47.94	9%	9%
8/31/2024	31 Aug		20,951,986.00	469.35	17,384,000.00	389,426,5233	329.87	67.70	3,567,986.00	79.93	17%	17%
9/30/2024	30 Sep		16,257,893.00	376.34	17,382,000.00	402,361,1111	340.82	(22.04)	-1,124,107.00	(26.02)	-7%	-7%
10/31/2024	31 Oct		9,358,818.00	209.65	6,540,000.00	146,503,763	124.10	53.49	2,818,818.00	63.15	30%	30%
11/30/2024	30 Nov		5,285,876.00	122.36	3,733,000.00	86,412,03704	73.20	30.45	1,552,876.00	35.95	29%	29%
12/31/2024	31 Dec		5,368,670.00	120.27	3,632,000.00	81,362,00717	68.92	32.95	1,736,670.00	38.90	32%	32%
1/31/2025	31 Jan		6,194,930.00	138.78	4,166,000.00	93,324,37276	79.05	38.50	2,028,930.00	45.45	33%	33%

See back for more data and total

2/28/2025	28 Feb	6,385,546.00	158.37	4,504,000.00	111,706,349.2	94.62	39.53	1,881,546.00	46.67	29%
3/31/2025	31 Mar	6,140,749.00	137.56	3,507,000.00	78,561,827.96	66.55	49.98	2,633,749.00	59.00	43%
4/30/2025	30 Apr	6,899,097.00	159.70	4,840,000.00	112,037,037	94.90	40.37	2,059,097.00	47.66	30%
5/31/2025	31 May	13,651,438.00	305.81	20,009,000.00	848,678,315.8	380.06	(721.02)	5,377,512.00	(142.87)	47%
6/30/2025	30 Jun	23,338,171.00	540.24	18,850,000.00	436,342,592.6	369.61	88.00	4,488,171.00	103.89	19%
7/31/2025	31 Jul	25,856,860.00	579.23	23,943,000.00	536,357,526.9	454.33	36.32	1,913,860.00	42.87	7%
8/31/2025	31 Aug	23,308,505.00	522.14	19,116,000.00	428,275,806.5	362.73	79.55	4,192,505.00	93.92	18%
9/30/2025	30 Sept	15,360,505.00	355.57	15,101,000.00	349,560,185.2	296.10	(296.10)	259,505.00	6.01	2%
10/31/2025	31 Oct	7,782,018.00	174.33	5,451,000.00	122,110,215.1	103.43	(103.43)	2,331,018.00	52.22	30%
TOTALS		522,990,231.00		434,951,741.00				88,038,490.00		17%



of the re-coup of the water. This can be subjective depending on how someone develops the model.



- b. Included in this packet is the water loss spread sheet. It shows the historical water loss in the system. There are some items to note when reviewing it.
- i. May for some reason is way off, we are still looking into why. We have evaluated multiple options but have yet to come to a solution. Something with the turning on of the irrigation of the residents town wide but the fact numbers seem to straighten out through the summer and fall muddy the water.
  - ii. Loss seems to always be bigger in the winter indicating the loss is being driven primarily by leaks. The loss gets diluted when a greater volume is produced or sold.

At this point with the leaks fixed we need to replace the meters at the wells. They are twenty years old and still the original meters. We will also get these 80 malfunctioning meters replaced asap. If we can get both of these items done by the end of the year. That will give us a good solid base for evaluating our loss going forward.

#### 4. Day to day operations

- a. Outside of large projects, this primarily consists of sampling, daily care of the well field and lagoon system including data logging and responding to customer

requirements. We are completing some small sewer repairs, flushing and repairing hydrants, replacing meters, addressing customer pressure issues, fixing leaks, and normal housekeeping.

I received a quote from Aeries Industries for a new sewer camera. The new camera and upfitting the trailer with new monitors, hardware, software etc. came in at 117k. We will need to bid this acquisition out due to it being over the 75k limit.

- b. Our GIS system is live (see computer screen at meeting) it's been uploading and our team has been able to use it and edited it as needed. This is a great addition to the utility and vital to good succession planning.

#### 5. Water/sewer taps

- a. The 3 sewer taps for the Royal Springs Subdivision are completed on S. veterans st.

#### 6. Lead and Copper

- a. Letters will be going out to the customers whom we don't have information on the composition of their service line. This will be to further reduce the scope of a future potholing project to complete requirements for the lead and copper inventory required by EPA. If any of your constituents have questions please send them our way.

#### 7. PFAS

- a. The Town is signed up for the free PFAS testing through DEQ. They contracted engineering firm is supposed to come to Saratoga the first part of February to provide training and do the first round of PFAS testing all at no cost to the utility.

#### 8. Lagoons

- a. The new chlorine analyzer has been installed at the lagoons. Its been calibrated and seems to be working flawlessly. The device is more proper for the application we use it for. The prior system was more adapt to a drinking water system. We also had to replace the motor on the sampling well pump out at the lagoon. That is the \$700.00 charge you see from Watson's Well Service. I am also still working with DEQ to move one of sampling locations to provide more representative samples of the discharge water, this was recommended by DEQ.