

***Mendocino County Russian River Flood Control &  
Water Conservation Improvement District***

**STAFF REPORT**

**Agenda Item 4: 2023 Water Use  
Monday, February 5, 2024**

**The Strategic Plan** relevant priorities are: **Security** through ensuring reliable, resilient, and available sources of water: data collection for improved river and reservoir operations; and **Use** of water in effective and beneficial ways as a public resource: maximum beneficial use of water under District water right license.

**Background**

The District holds water rights to the Russian River in Mendocino County and has established a process by which customers may purchase and put to beneficial use a specific amount of water from the District through the Uniform Water Sale & Purchase Agreement. Customers may also hold their own water rights to water from the Russian River.

The State Water Resources Control Board requires annual filing of water use on all water rights. The District therefore depends on Customers to provide an annual written report of water usage in a monthly timestep, identifying water diverted under District water rights or Customer water rights. The District collects data from diversion points and provides a worksheet. Column A is completed from datalogger downloads. Customers complete columns B and C:

**2022-23 Water Year: Water Use Worksheet**

**Instructions:** (1) Review Column A; (2) Complete Columns B and C of table(s); (3) Column B + C should equal Column A; (4) Sign, date, and return via email or mail by no later than **December 31, 2023**.

POD NAME:			
	A	B	C
Month	Total Gross Pumping in acre feet at Point of Diversion	AF Amount reporting under RRFC contract	AF amount reporting on your own water right(s), if applicable
October 2022			
November 2022			
December 2022			
January 2023			
February 2023			
March 2023			
April 2023			
May 2023			
June 2023			
July 2023			
August 2023			
September 2023			
<b>Totals:</b>			

*(Continued...)*

**Water Use in Water Year 22-23**

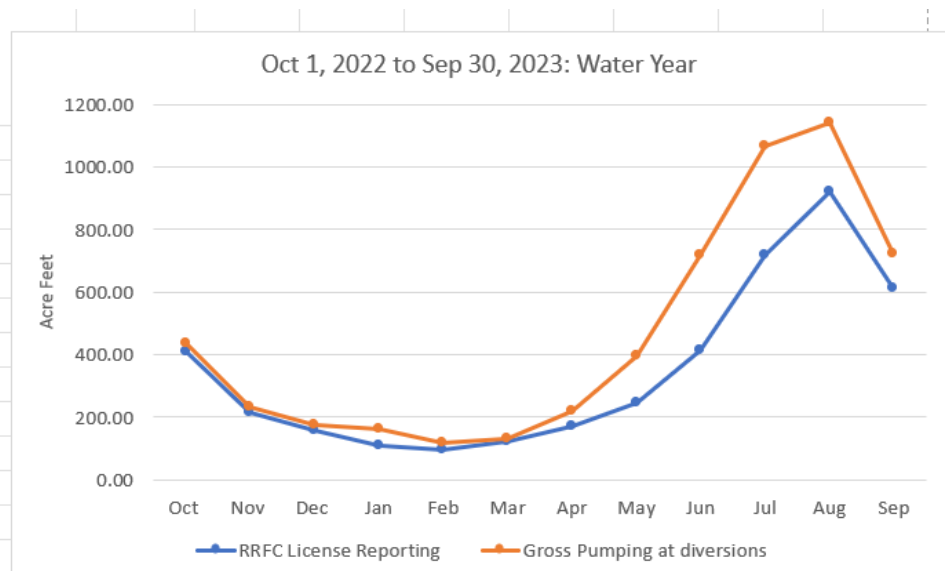
PLEASE NOTE: The State Water Resources Control Board has shifted the reporting period from calendar year to water year (Oct 1- Sept 30) The District contract period coincided with the reporting year which allowed for streamlined data collection and compliance. Staff is now consulting with legal counsel to shift the contract year to once again coincide with the State’s reporting year. The following data is based on the **water year** of October 1, 2022 to September 30, 2023, unless otherwise specified.

<b>Time Period: Oct 1, 2022 to Sept 30, 2023</b>	<b>Acre Feet</b>
Contracted (as of September 2023)	7,497.15
Contract water used	3,447.49
Surplus water used	741.24
<b>Total Water Use Reported under District License:</b>	<b>4,188.73</b>

**Customer Diversions**

As mentioned above, the District depends on Customers to identify how much of the water diverted is being reported under their RRFC contract or their own water right. The trend of RRFC reported water use therefore fluctuates greatly based on individual customer choices in reporting in any given year. Observing the gross pumping can provide an idea of potential diversion amounts.

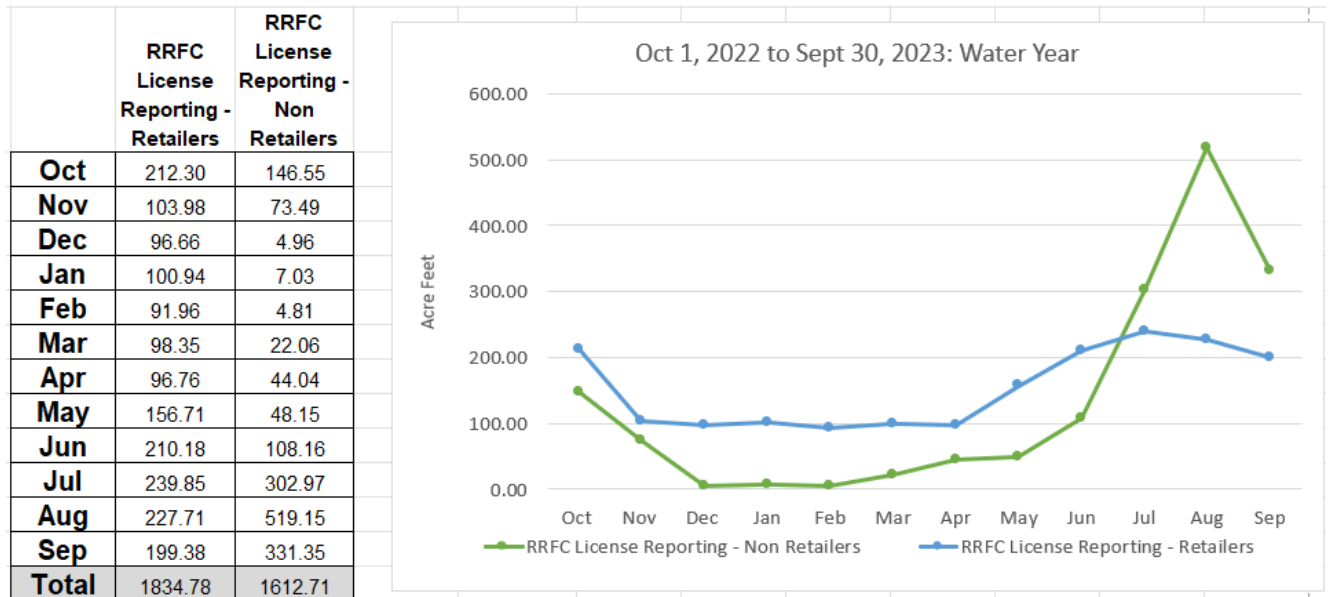
	<b>RRFC License Reporting</b>	<b>Gross Pumping at diversions</b>
<b>Oct</b>	409.65	433.81
<b>Nov</b>	216.32	234.57
<b>Dec</b>	155.36	173.04
<b>Jan</b>	107.97	159.80
<b>Feb</b>	96.77	116.05
<b>Mar</b>	120.41	132.03
<b>Apr</b>	172.40	217.55
<b>May</b>	247.58	397.96
<b>Jun</b>	412.82	716.93
<b>Jul</b>	715.86	1064.52
<b>Aug</b>	920.96	1140.56
<b>Sep</b>	612.64	723.62
<b>Total</b>	<b>4188.73</b>	<b>5510.43</b>



(Continued...)

### Customer Diversion Breakdown

There is a small amount of Retailer water used for agriculture and a small amount of non-retailer water used for non-agriculture. In the following, it assumed they offset one another.



### Contract Water Use Reported by Water Retailers under District Contract:

Retailer contract water use for 2023 water year is not necessarily typical. Again, customers that have their own water rights may be in the position to choose how to report water use and this can vary year to year in order to secure water rights and District contract (“use it or lose it.”)

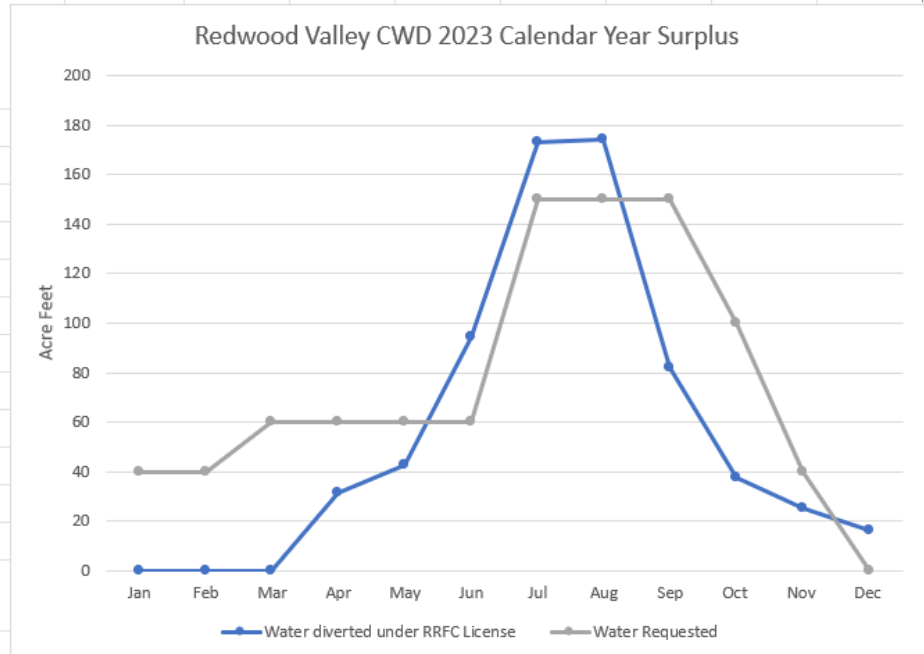
2022-2023 Water Year	Oct 2022	Nov 2022	Dec 2022	Jan 2023	Feb 2023	Mar 2023	Apr 2023	May 2023	June 2023	July 2023	Aug 2023	Sept 2023	RRFC Water Yr Use	Multiple POD Contract Totals	RRFC 2023 Contract Qty
Calpella CWD	0.14	0.14	0.14	1.51	1.91	0.43	0.49	0.16	1.63	4.62	8.22	5.98	25.37		85
Henry Station MWC	0.81	0.69	0.59	0.31	0.23	0.26	0.36	0.78	0.47	0.60	0.43	2.00	7.53		8
Hopland PUD	14.56	9.53	8.65	10.86	7.91	8.69	8.72	12.43	17.17	20.88	20.94	19.22	159.56		222
Millview CWD - All Use	83.28	57.80	54.05	57.27	52.92	55.87	48.14	68.92	87.67	87.65	77.25	71.41	802.23		1171.15
River Estates Mutual Water Co	2.08	1.49	1.30	0.00	0.86	0.97	1.16	1.63	2.27	3.12	3.10	2.48	20.46	25.99	26
River Estates Mutual Water Co	0.63	0.06	0.06	0.00	0.00	0.27	0.42	0.62	0.76	0.97	0.99	0.75	5.53		
Rogina Water Company	54.80							20.52	33.98	39.39	36.71	35.70	221.10		400
Willow CWD - All Use types	6.63								2.37	20.12	19.01	15.74	63.87		
Willow CWD - All Use types											0.01		0.01	593.00	593
Willow CWD - All Use types	49.37	34.27	31.87	30.99	28.13	31.86	37.47	51.65	63.86	62.50	61.05	46.10	529.12		
<b>Total use Amt of Retailers:</b>	<b>212.3</b>	<b>104.0</b>	<b>96.7</b>	<b>100.9</b>	<b>92.0</b>	<b>98.4</b>	<b>96.8</b>	<b>156.7</b>	<b>210.2</b>	<b>239.9</b>	<b>227.7</b>	<b>199.4</b>	<b>1834.78</b>	<b>1834.78</b>	<b>2505.15</b>
<b>SURPLUS:</b>															
Customers Surplus															0.00
Redwood Valley County Water District	50.80	38.85	53.74				31.60	42.72	94.48	173.04	174.10	81.91	741.24		
<b>Total amount of Surplus</b>	<b>50.8</b>	<b>38.9</b>	<b>53.7</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>31.6</b>	<b>42.7</b>	<b>94.5</b>	<b>173.0</b>	<b>174.1</b>	<b>81.9</b>	<b>741.24</b>		

(Continued...)

**Surplus water use in 2023 Calendar Year**

As of December 31, 2023, the District had 442.85 acre feet uncontracted and available as surplus. Customers made an additional 693 acre feet available for surplus use by Redwood Valley CWD, though demand for the **calendar year** required only 234.13 acre feet being transferred. Redwood Valley CWD originally requested up to 910 acre feet and only used 676.98 acre feet.

2023	Water diverted under RRFC License	Water Requested
Jan	0	40
Feb	0	40
Mar	0	60
Apr	31.60	60
May	42.72	60
Jun	94.48	60
Jul	173.04	150
Aug	174.10	150
Sep	81.91	150
Oct	37.54	100
Nov	25.46	40
Dec	16.13	0
<b>Totals:</b>	<b>676.98</b>	<b>910</b>



The Board is welcome to request further information.

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Prepared and submitted to the Board of Trustees by: *Elizabeth Salomone, General Manager*