

WELCOME

*WATER VALLEY & RAINDANCE
METRO DISTRICTS*

MARCH 21, 2024

WATER USE & FEES

Overview:

- New Rate Structure Seems to be Having Positive Effect on Water Use.
- Although, it's Difficult to Judge Total Impact of New Rate Structure Considering May and June 2023 Torrential Rains.
- Heavy Rains Caused 2023 Water Use and Revenues to be Lower than Forecast.
- Installation of Meters in Water Valley North had Very Positive Impact on Use.
- At this Point in Time, See no Need for Significant Adjustments to the Water Rate / Fee Structure.
- Recommending Only a 4% Cost-of-Living Adjustment to Rates as Previously Included in the District's Financial Forecasts.

Administrative Challenges During 1st Year of New Rate Structure:

- Finished Installing Meters in Water Valley North
- Approximately 350 Non-Functional Meters in Water Valley South / Hilltop Have Been Replaced.
- Sub-Associations in Water Valley not Metered, New Meters Being Installed for 2024 Irrigation Season.
- Supply Chain Issues Delayed Meter Replacement / Installation
- Hired Water Resources Manager to Help Promote Conservation and to Assure All Parcels are Metered and Billed Correctly
- Implementing more Effective and Efficient Administrative and Billing Procedures for 2024

Overall Water Use:

- Wet Year and New Fee Structure Reducing Water Use...

Districts Total Water Use													
Irrigation													
All values in acre-feet													
	1	2	3	4	5	6	7	8	9	10	11	12	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	0	0	5	70	50	174	231	257	237	88	2	0	1,115
2016	0	0	3	43	89	239	298	270	234	82	19	1	1,279
2017	1	2	29	105	96	236	252	183	185	25	6	0	1,120
2018	0	0	19	82	153	280	278	278	225	64	17	0	1,395
2019	0	1	6	84	131	175	269	310	310	120	7	0	1,414
2020	0	0	8	47	180	279	348	374	224	194	15	4	1,672
2021	0	0	1	32	409	382	469	460	411	198	40	11	2,413
2022	0	0	7	189	312	448	498	465	328	149	14	5	2,414
2023	0	0	8	62	291	187	332	356	364	163	28	17	1,809

Source: Martin and Woods Compilation of Data

2023 Forecast Use of 2,111

Water Valley North Water Use:

- Meter Installation Having Significant Impact on Water Use...

Water Valley North													
Residential Irrigation													
All values in acre-feet													
	1	2	3	4	5	6	7	8	9	10	11	12	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	0	0	0	13	22	50	70	72	73	28	0	0	327
2016	0	0	0	19	55	88	113	97	105	21	0	0	498
2017	0	0	1	30	40	67	76	61	60	5	0	0	340
2018	0	0	7	17	53	81	83	85	68	13	0	0	408
2019	0	0	0	10	34	48	70	76	68	17	0	0	323
2020	0	0	0	10	46	69	91	81	65	30	0	0	391
2021	0	0	0	1	42	73	83	81	70	27	0	0	379
2022	0	0	0	20	56	69	82	79	61	21	0	0	389
2023	0	0	0	5	34	14	13	27	55	19	0	0	166

Source: Martin and Woods Compilation of Data

Water Valley South Water Use:

- Water Use in Water Valley South Increased Year-over-Year...

Water Valley South, Hilltop Estates, and Pelican Farms													
Residential Irrigation													
All values in acre-feet													
	1	2	3	4	5	6	7	8	9	10	11	12	
Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Annual
2015	0	0	0	11	20	63	85	101	85	39	0	0	404
2016	0	0	0	4	20	82	100	91	66	26	1	1	391
2017	1	1	4	37	38	75	88	72	73	7	0	0	397
2018	0	0	1	27	72	111	114	111	91	37	13	0	575
2019	0	0	3	41	71	67	109	131	110	32	0	0	565
2020	0	0	1	7	60	86	94	100	68	65	1	2	484
2021	0	0	0	3	54	125	154	140	120	54	0	0	648
2022	0	0	0	40	81	71	86	96	77	28	0	0	479
2023	0	0	0	5	57	54	117	125	122	44	4	0	527

Source: Martin and Woods Compilation of Data

Water Use and Revenues:

	2022 Actual Use (Kgal)	2023 Forecast Use (Kgal)	2023 Actual Use (Kgal)	2024 Forecast Use (Kgal)	2023 Forecast Rev (\$)	2023 Actual Rev (\$)	2024 Forecast Rev (\$)
Raindance:							
Residential / Commercial	249,601	137,480	109,978	148,038	\$ 1,120,411	\$ 978,739	\$ 1,237,000
Metro District	*	73,620	78,364	73,620	206,136	219,419	215,000
Golf	108,508	109,230	61,912	109,230	305,844	173,353	318,000
Hoedown Hill	-	-	8,798	24,055	-	24,634	70,000
Total Raindance	358,110	320,330	259,052	354,943	\$ 1,632,391	\$ 1,396,145	1,840,000
Water Valley:							
Residential / Commercial	282,838	205,156	127,813	215,740	\$ 1,511,076	\$ 1,156,789	\$ 1,673,000
Metro District	*	33,200	48,002	33,200	92,960	134,404	97,000
Golf	144,351	129,300	105,576	129,300	362,040	280,831	378,000
Administrative Adjustment			50,000				
Total Water Valley	427,190	367,656	331,391	378,240	\$ 1,966,076	\$ 1,572,025	\$ 2,148,000
Water Use Grand Total	785,300	687,986	590,443	733,183	\$ 3,598,467	\$ 2,968,169	3,988,000
Water Dedication Fees:							
Raindance		117 (units)	36 (units)	80 (units)	\$ 292,500	\$ 90,000	\$ 200,000
Water Valley		234 (units)	4 (units)	150 (units)	585,000	10,000	375,000
Total Dedication Fees		351 (units)	40 (units)	230 (units)	\$ 877,500	\$ 100,000	\$ 575,000
Revenue Grand Total					\$ 4,475,967	\$ 3,068,169	\$ 4,563,000

Service Fee Recommendations:

No Significant Adjustments to Rate Structure... 4% Cost-of-Living Increase

- **Single-Family Residential:**
 - Annual Base Fee goes from \$247 to \$257 per Single-Family Household
 - Service Fee Increase from \$3.80 to \$3.95 / 1000 Gallons for Water Actually Used
 - Add Minimum Billing for Residential Lots with Malfunctioning Meters: \$110 for Small Lots, \$220 for Medium Lots, and \$660 for large Lots
- **Multi-Family Residential:**
 - Annual Base Fee goes from \$247 to \$257 per Multi-Family Household
 - Service Fee increase from \$3.80 to \$3.95 / 1000 Gallons for Water Actually Used
 - Add Minimum Billing for Sub-Associations with Malfunctioning Meters as Determined by the District Based on Irrigable Area and Assuming Efficient Use
- **Large Public Amenity Bulk Users (Metro Districts, Golf Courses & Hoedown Hill):**
 - Service Fee increase from \$2.80 to \$2.91 / 1000 Gallons for Water Actually Used
- **Commercial Users:**
 - Annual Base Fee goes from \$247 to \$257 per Commercial User
 - Service Fee increase from \$3.80 to \$3.95 / 1000 Gallons for Water Actually Used
- **Commercial Tap Fees:**
 - Add a 3-inch Tap Fee for Commercial Users of \$108,000 / Tap (needed for new Raindance School)

*FURTHER
DISCUSSION*