



**WEBER BASIN WATER CONSERVANCY DISTRICT**



**WATER CONSERVATION PLAN UPDATE 2023**

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## Water Conservation Goal

The Weber Basin Water Conservancy District (WBWCD or District) conservation goal has been set at 20% reduction per capita by 2030, 26% by 2045, and 30% by 2065. This goal originated with the August 2001 statewide goal, which was given by Utah Governor Leavitt, to reduce statewide consumption 25% by 2050. The Utah State Water Plan introduced the goal for the state to reduce water use and help water entities engage in activities and programs to manage water supplies and resources more effectively. In 2013 Governor Herbert announced the new statewide goal which was a 25% reduction by 2025. The Division of Water Resources further refined that goal by creating Regional Water Conservation Goals for differing areas of the State. The District has been supportive of these goals and created a Water Conservation and Management Plan in order to establish an actionable plan to achieve them. The District currently has a goal of reducing water use to 200 GPCD by the year 2030, GPCD of 184 by 2040 and 175 GPCD by 2060 which is the regional goal for its area.

Within the Water Conservation and Management Plan, the District evaluated three possible programs in order to determine the best possible scenario based on the District's annual budget, public adoption of conservation programs, and policy being promoted by entities within its service area: Program A, Program B, and Program C. Program A is based on a combination of measures and level of investment that can meet the updated State GPCD Regional Water Conservation goals (updated in 2019). Program B showcases an increase in District level of investment in conservation to match a tolerable increase in spending from customer agencies and end users. Finally, Program C illustrated the measures already in place, with minimal effort by non-District users. Program B goals were originally adopted by the District recognizing the delay in secondary meter installations that was anticipated, as well as with state and federal groups to identify other potential funding sources to drive conservation. However, with the infusion of ARPA funds, the District adjusted its conservation goals to be reflective of the aggressive meter installation timeline facilitated by both ARPA monies and legislative policy. The projected usage results are shown in the figure below. Following the usage projection figure is a table indicating the annual costs of each of the programs. Both of these data sets were incorporated into selecting Program A as the District's goals for conservation.

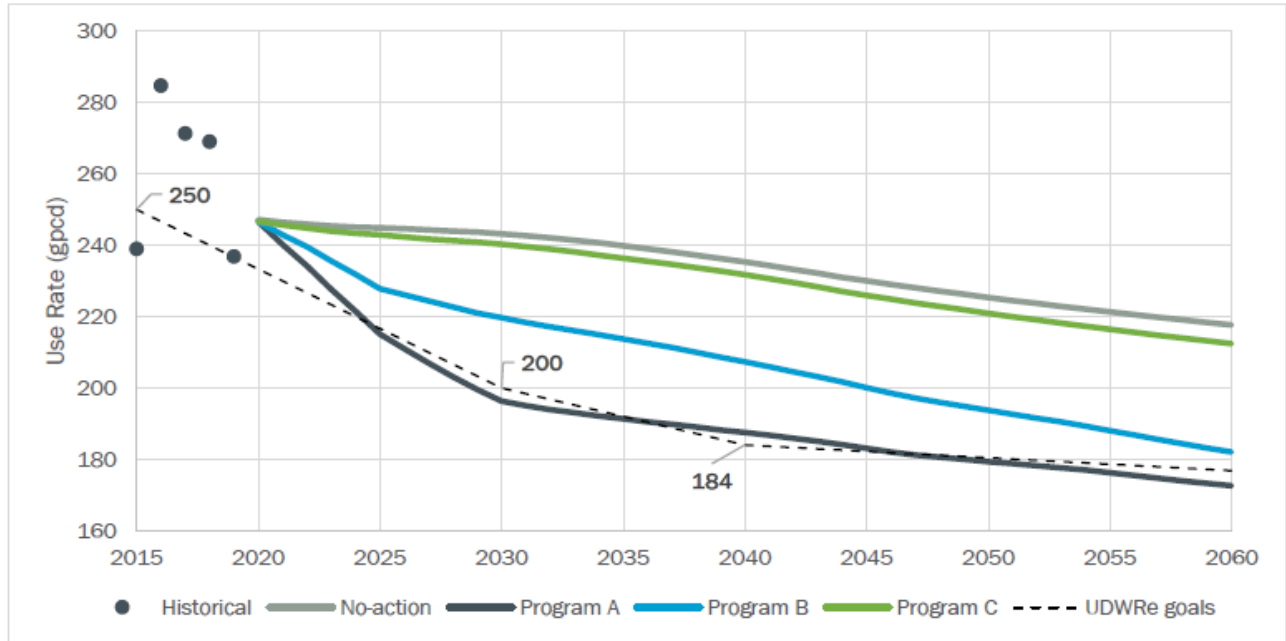


Figure 1: Usage Rates for each Conservation Program

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**Table 1: Annual Program Costs and Benefits Comparison**

	Fiscal Year:	2021	2022	2023	2024	2025	2026-2030	2031-2040	2041-2060	Total
Program A	District costs	\$6.42	\$7.14	\$8.22	\$9.02	\$9.72	\$46.82	\$33.46	\$16.86	\$137.67
	Customer agency costs	\$9.35	\$9.35	\$9.35	\$9.35	\$9.35	\$46.75	\$0.00	\$0.00	\$93.50
	End-user costs	\$1.77	\$2.19	\$13.68	\$12.79	\$13.06	\$65.16	\$110.62	\$155.47	\$374.74
	<b>Total Costs</b>	<b>\$17.55</b>	<b>\$18.68</b>	<b>\$31.25</b>	<b>\$31.16</b>	<b>\$32.13</b>	<b>\$158.73</b>	<b>\$144.08</b>	<b>\$172.33</b>	<b>\$605.91</b>
	Average Annual Water Savings (AF/year)	4,227	8,167	12,690	17,278	22,336	32,562	43,154	47,478	35,445
Program B	District costs	\$1.84	\$1.84	\$1.85	\$1.86	\$2.10	\$9.73	\$17.42	\$30.63	\$67.26
	Customer agency costs	\$0.41	\$0.44	\$0.47	\$0.50	\$0.54	\$3.58	\$17.15	\$64.27	\$87.36
	End-user costs	\$0.46	\$0.47	\$11.42	\$10.21	\$10.29	\$52.11	\$98.73	\$150.74	\$334.42
	<b>Total Costs</b>	<b>\$2.70</b>	<b>\$2.75</b>	<b>\$13.74</b>	<b>\$12.57</b>	<b>\$12.93</b>	<b>\$65.41</b>	<b>\$133.30</b>	<b>\$245.64</b>	<b>\$489.04</b>
	Average Annual Water Savings (AF/year)	2,389	4,419	6,940	9,474	12,407	16,213	22,208	30,849	17,989
Program C	District costs	\$1.94	\$1.95	\$1.96	\$1.97	\$2.00	\$9.05	\$11.87	\$2.94	\$33.68
	Customer agency costs	\$0.34	\$0.35	\$0.36	\$0.37	\$0.39	\$2.25	\$7.01	\$20.36	\$31.41
	End-user costs	\$0.68	\$0.69	\$0.71	\$0.72	\$0.74	\$3.11	\$5.03	\$2.14	\$13.81
	<b>Total Costs</b>	<b>\$2.96</b>	<b>\$2.99</b>	<b>\$3.02</b>	<b>\$3.06</b>	<b>\$3.12</b>	<b>\$14.41</b>	<b>\$23.91</b>	<b>\$25.43</b>	<b>\$78.89</b>
	Average Annual Water Savings (AF/year)	549	827	1,107	1,390	1,671	2,410	3,879	5,801	2,614

Note: Costs in millions (M)





## System Profile and Supply Information

The District primarily serves Summit, Morgan, Weber and Davis counties in Northern Utah. Figure 2 shows the District’s service area boundary.

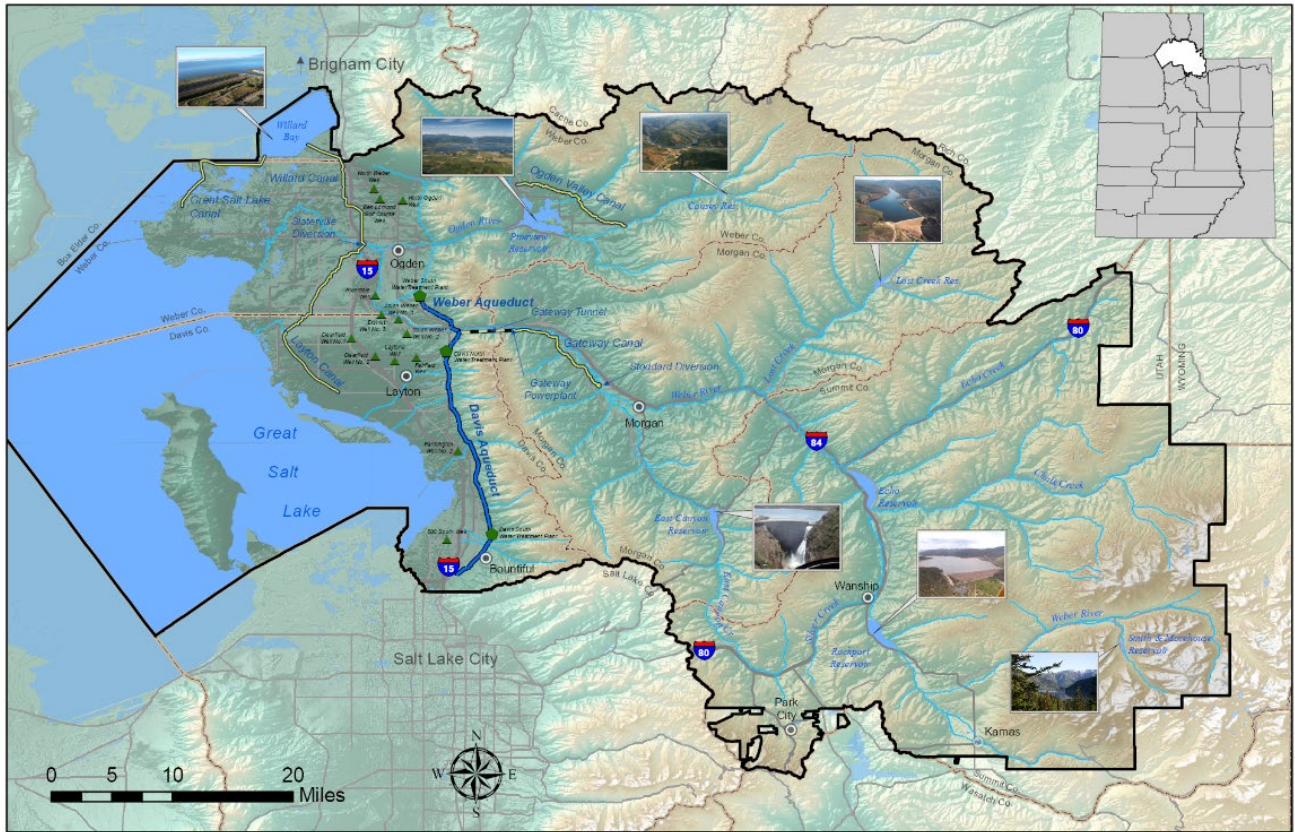


Figure 2: District Service Area

The District is predominantly a regional water supplier delivering water as a wholesaler. However, the District does operate a retail secondary system that can be broken down by user category and metered connections as shown in Table 2.

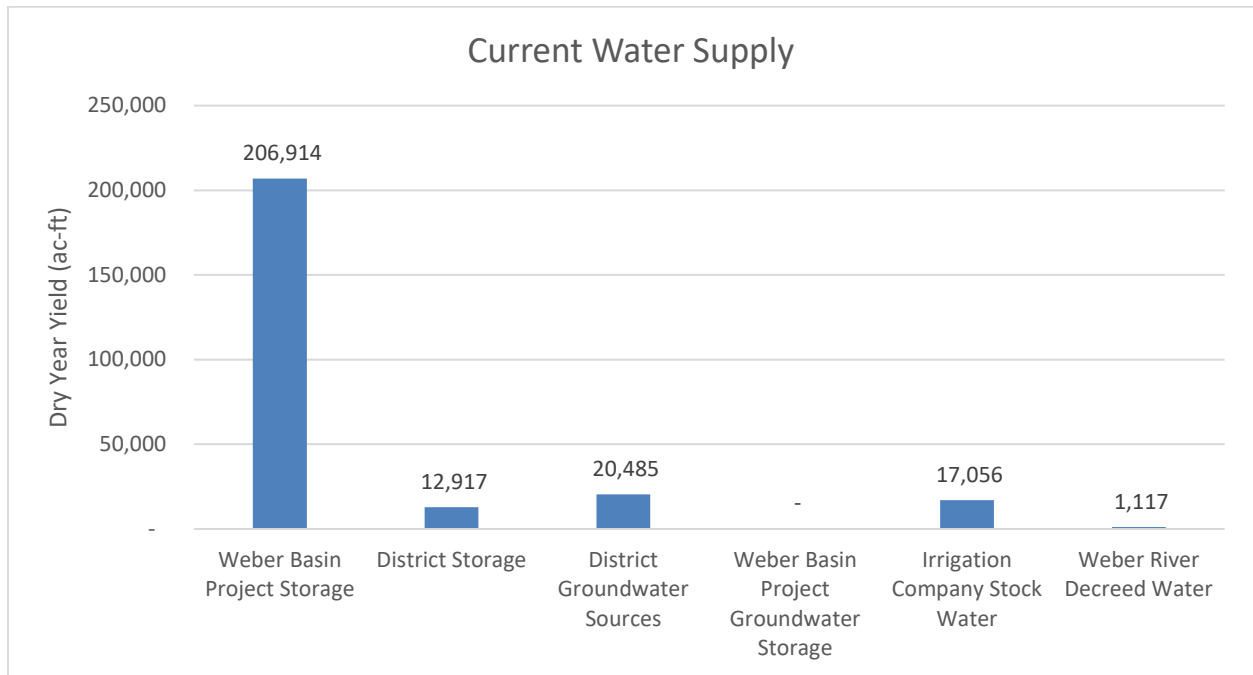
Table 2: M&I Water Connections

	Metered Connections
Residential/Domestic	13,042 (ongoing increase)
Commercial	40
Institutional	63
Industrial	3
Unmetered	9,376 (decreasing)

<b>Total</b>	<b>22,524</b>
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The Districts water supply can generally be summarized as shown in Table 3.

**Table 3: Current Water Supply**



A critical responsibility for the District is to understand future water demands within its service area. Consequently, the District regularly assesses its supplies and projected demands and formally updates its respective study approximately every 5 years. The most recent Supply and Demand study was completed in 2016, with a 2017 addendum. The District is currently updating this report. In the 2017 study two methods were used to project future demands. Detailed analysis and explanations of these methods are found in the District’s “WBWCD Supply and Demand Study 2016”. A summary of those methods includes:

1. Per capita demand/actual demand- a per capita water use in gallons per capita per day (gpcd) is used in conjunction with population projections to estimate future water demands for potable uses (industrial, residential, commercial, and institutional) and secondary irrigation demand. Where available, such as with untreated M&I demands, historic use is used for projections.
2. Contractual obligations – where metered use information was not available, actual contract amounts were used along with expected growth or decrease rates to project future wholesale and retail agricultural demand.

Industrial water use often grows at a slower rate than the overall population, however, it has been projected in with all other use types to grow at the same rate as the overall population. Projected potable demands for

the Wasatch Front area are shown in Table 4. Results of these methodologies can be seen in Table 4 below.

Table 4 Projected WBWCD Wasatch Front Potable Demands

Year	Potable Demand (acre-Ft)			Potable Demand with Conservation (acre-Ft)		
	Davis	Weber	Total	Davis	Weber	Total
2010	46,200	35,200	81,400	46,200	35,200	81,400
2020	54,000	40,000	94,000	50,800	37,700	88,500
2030	59,700	46,000	105,700	53,300	41,200	94,500
2040	65,400	52,600	118,000	57,600	46,500	104,100
2050	72,400	58,900	131,300	62,300	50,900	113,200
2060	79,600	65,200	144,800	68,600	56,300	124,900

Secondary demands for the Wasatch Front service area have been projected using the per capita demand for secondary irrigation multiplied by the population that is expected to be served by secondary water. This secondary service population was estimated to be 343,746 in 2010 and is projected to increase to 614,564 in 2060.

In addition, the District's current and projected untreated water contracts that serve industrial customers have been added to the projected secondary demands. To project future untreated water contract amounts, the District reviewed past untreated water contract sales. Future contracts were extrapolated based on the growth observed in contracts between 2001 and 2015. The District will continue to promote conservation with these untreated M&I contracts, but no conservation beyond the current level is shown for this block of water. The projected secondary demands for the Wasatch Front area are shown in Table 5.

Table 5 WBWCD Wasatch Front Estimated Secondary Demand

Year	Secondary Demand (acre-ft)			Secondary Demand with Conservation (ac-ft)		
	Davis	Weber	Total	Davis	Weber	Total
2010	51,200	45,300	96,500	51,200	45,300	96,500
2020	58,900	51,800	110,700	48,700	44,000	92,700
2030	65,200	59,300	124,500	46,500	44,100	90,600
2040	71,500	67,900	139,400	46,800	46,600	93,400
2050	79,100	76,100	155,200	47,300	47,800	95,100
2060	86,600	84,300	170,900	51,900	52,700	104,600

In addition to potable water demand and secondary water demand, the District has contracts to provide wholesale irrigation water to irrigation companies and other entities across the Wasatch Front service area. These entities serve a variety of demands which are summarized as:

- agricultural demands
- secondary irrigation demands



- private system demands (golf courses, waterfowl clubs, amusement parks)

Table 6 shows the estimates for District Wholesale Irrigation Demand through 2060.

**Table 6 WBWCD Wasatch Front Wholesale Irrigation Demand Projection**

Year	Davis County			Weber County			Total Wasatch Front
	To Secondary Demands	To Private System Demands	To Agricultural Demands	To Secondary Demands	To Private System Demands	To Agricultural Demands	
	(acre-ft)	(acre-ft)	(acre-ft)	(acre-ft)	(acre-ft)	(acre-ft)	(acre-ft)
2014	37,491	2,967	10,931	9,020	100	9,340	69,850
2020	38,408	3,274	10,141	9,493	110	8,940	70,366
2030	39,936	3,785	8,823	10,282	128	8,275	71,228
2040	41,464	4,295	7,505	11,071	145	7,609	72,089
2050	42,991	4,806	6,188	11,860	162	6,943	72,951
2060	44,519	5,317	4,870	12,649	179	6,277	73,812

The water provided to irrigation districts to satisfy Wasatch Front secondary demand is already accounted for in the Estimated Secondary Demand section above. Therefore, only agricultural demands and private system demands shown in Table 6 will be added to the total annual demand.

Projected total annual demand for the Wasatch Front area was calculated by combining the estimated potable demand, estimated secondary demand and the District supplied agricultural demands. Table 7 shows the total demand projections for the District’s Wasatch Front area.

**Table 7 WBWCD Wasatch Front Total Estimated Demand**

Year	Total Demand (acre-ft)			Total Demand with Conservation (acre-ft)		
	Davis	Weber	Total	Davis	Weber	Total
2010	125,998	102,340	228,338	125,998	102,340	228,338
2020	140,505	112,859	253,365	127,105	102,759	229,865
2030	150,851	125,059	275,910	125,751	105,059	230,810
2040	161,196	138,958	300,154	128,696	111,558	240,254
2050	174,142	152,157	326,299	132,242	115,857	248,099
2060	187,187	165,356	352,543	141,487	124,856	266,343

Figure 3 below shows the District’s Wasatch Front Demand Projections by demand type. Figure 4 shows the same projections with the District’s conservation goals applied. A line has been included for Figure 4 showing the projected demands without conservation beyond current conservation levels. Conservation will go a long way in providing adequate supply for future demands. The same trends apply to the Wasatch Back and for

this report, percentage of conservation would be the same as the Wasatch Front, considering that both areas' growth projections by percentage are similar.

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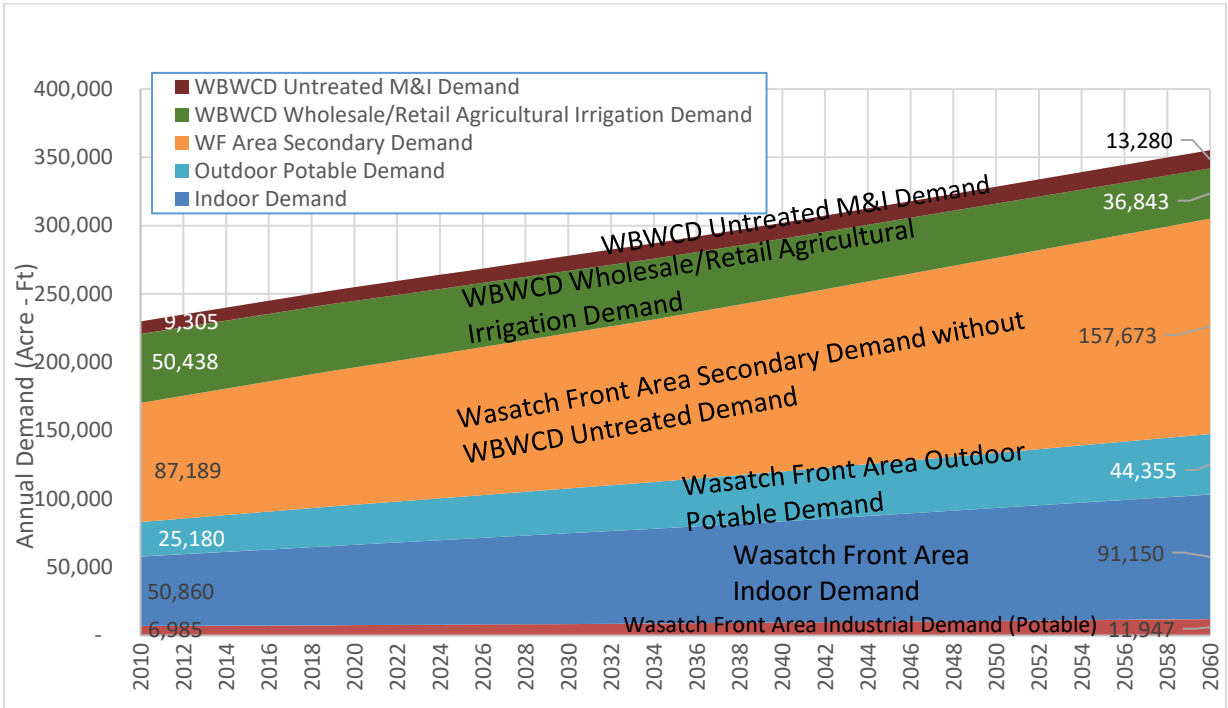


Figure 3: Wasatch Front Demand Projections

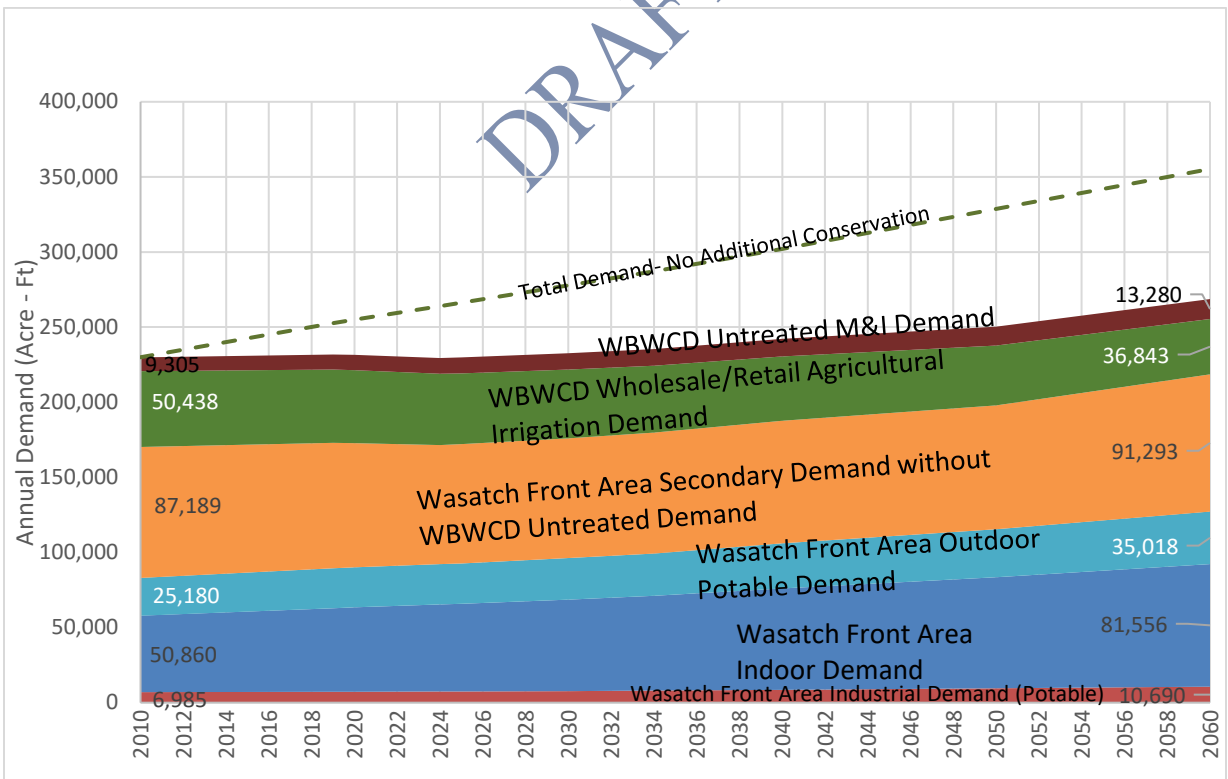


Figure 4: Wasatch Front Demand Projections with Conservation

The District’s mission statement includes conserving and developing water resources to provide for the demands of the customer agencies and to use those responsible for the greatest benefit of the public. Recognizing that portion of the District’s mission statement, the District continues to engage in studies, search for opportunities for reuse, and explore the importation of water from other drainages in the event demand exceeds supply and all conservation measures are exhausted. However, it should be noted that the District will continue to engage in and increase aggressive water conservation practices.

In 2002, the District partnered with federal and state agencies to construct an ASR Pilot Project that is located at the mouth of the Weber Canyon. The District uses the facility primarily to store decreed water rights underground to allow for future water use. The District does not currently have a facility to extract the groundwater accredited for the ASR project; however, one is expected to be constructed in the future.

Currently, the District’s Aquifer Storage and Recovery project infiltrates at 2 cfs. The storage information, including storage volumes and losses associated with the permit, can be found within the Division of Water Rights online database under water right RC006. Recognizing that the District has not recovered any of the water as part of its recovery permit, approximately 13,000 acre-feet of water have been put into the aquifer as a result of this project since 2010.

## Billing



### 2023 WATER RATES

M&I	Project	District 1	District 2	District 3/ *D4 Hybrid	District 4	**O&M Only
Untreated	\$ 101.58-132.02	\$ 223.74	\$ 319.09	\$ 495.36	\$ 1,455.26	\$ 155.26
Treated Davis - F12	\$ 260.16	\$ 332.74	\$ 483.89	\$ 705.09	\$ 1,607.68	\$ 307.68
Treated Weber	\$ 244.62	\$ 320.90	\$ 467.37	\$ 693.95	\$ 1,602.68	\$ 302.01
Secondary	Project	District 1	District 2	District 3/ *D4 Hybrid	District 4	**O&M Only
Wholesale	\$ 56.05	\$ 223.74	\$ 319.09	\$ 495.36	\$ 1,455.26	\$ 155.26
Retail	\$ 115.65	\$ 251.93	\$ 319.09	\$ 495.36	\$ 495.36	N/A
West Haven	\$ 207.66	\$ 207.66	\$ 207.66	\$ 207.66	\$ 207.66	N/A
Replacement	Project	District 1	District 2	District 3/ *D4 Hybrid	District 4	**O&M Only
Wholesale	\$ 83.55	\$ 179.02	\$ 246.19	\$ 429.33	\$ 1,404.37	\$ 104.37
Retail	\$ 83.55	\$ 179.02	\$ 246.19	\$ 429.33	\$ 429.33	N/A
2023 PER CONTRACT O&M FEES						
Secondary	\$ 71.85	West Haven		\$ -		
Replacement	\$ 55.00					

\*D4 Hybrid Capital Charge/Impact Fee: \$15,000/AF  
 \*\*D4 Full Capital Charge/Impact Fee: \$22,405/AF (\$3,100/AF - West Haven)

**Figure 5: District Water Rates in 2023**

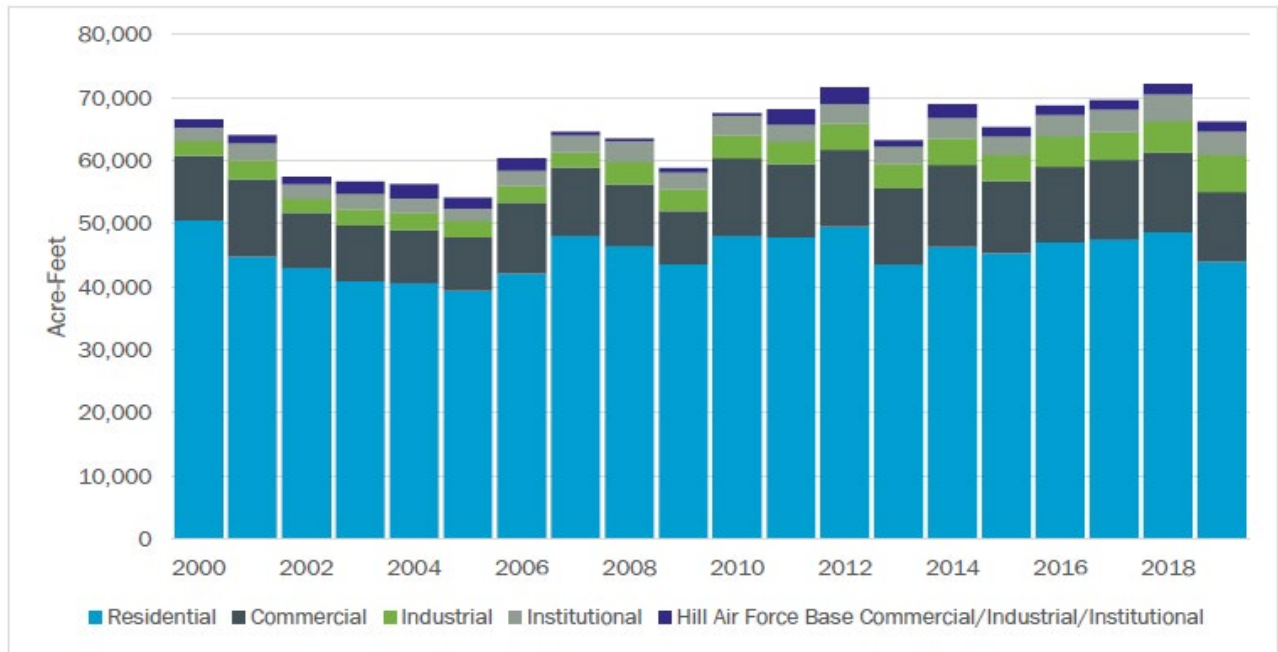
## System Water Loss

The District performs an M36 Water Audit as described in the American Water Works Association periodically. Operators within the District read meters regularly and verify that the reads reflect what is to be expected.

The District monitors the system for losses through review of source and end use meters. The District has plans to improve this process through the utilization of automated reports generated through its SCADA system. The District also utilizes a Capital Improvement Plan that outlines a schedule to replace necessary pipelines taking into consideration leak history, age, environmental conditions, etc.

The percentage of District secondary customers that are now metered, based on type, are as follows: 58.9% residential, 20% industrial, 18.4% commercial, 35% institutional, and 68.1% agriculture (these are classified as agricultural but are small parcels with meters where there is a home and adjacent property being irrigated as ag). The meters transmit usage data back to the District through an AMI system that communicates every four hours. This regular communication allows near real-time dissemination of customer usage volumes. The District then provides access to a customer portal where users can see this data as soon as it becomes available, be notified of contract reductions, leaks, unexpected water usage, and volume notifications in order to be more efficient and aware of their water use and expectations. Monthly usage reports are sent out to the customers or made available within the customer portal. As concerns are noted by staff or customers, a work order is created, and an employee of the District is dispatched to resolve the issue.

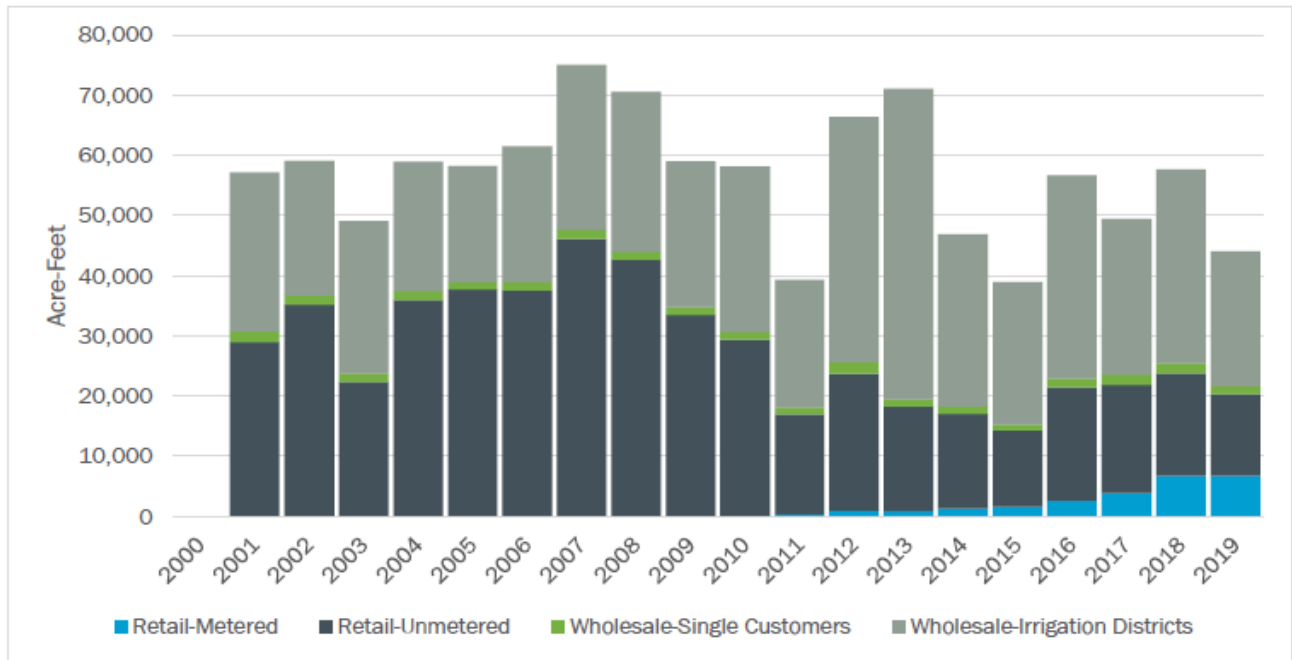
## Water Use and Measurement



*Figure 6: Potable Water Consumption by Customer Category*

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**Figure 7: District-Supplied Secondary Water Consumption by Customer Category**

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The following two figures, Figures 8 and 9, contain the total volume of water contracts for irrigation, treated and untreated water, as well as replacement water.

## SUMMARY OF IRRIGATION WATER CONTRACTS - AF

Contracting Entity	Contract Amount	Delivery Drought Loss	Net Useable	Contracting Entity	Contract Amount	Delivery Drought Loss	Net Useable
Benchland Irrigation	4,975	1,990	2,985	North Round Valley	150	45	105
Bountiful Irrigation	17,500	7,000	10,500	North Salt Lake (Foxboro)	800	80	720
Centerville Duel Creek	2,891	1,156	1,735	Oakridge Country Club	500	200	300
Chalk Creek Irrigation	643	193	450	Ogden River Water Users Association	3,705	1,482	2,223
CO-OP Farms Irrigation	300	90	210	Peterson Irrigation	614	184	430
Croyden Irrigation	450	135	315	Pintail Duck Club	100	40	60
Davis & Weber Counties Canal	1,059	424	635	Roy Water Conservancy District	365	146	219
Downs Creek Irrigation	100	30	70	Salmaho Irrigation	167	67	100
East Porterville Irrigation	200	60	140	So. Davis County Water Improvement District	3,210	1,284	1,926
East Wanship / Gibbons & Pace	100	30	70	South Morgan Water Company	400	160	240
Eden Irrigation	1,200	360	840	South Ogden Conservation District	2,345	938	1,407
Emmertsen Irrigation	100	30	70	South Weber Water Improvement District	2,423	80	2,343
Felt, Peterson, Slater Irrigation	100	30	70	Sun Hills Golf Course	496	198	298
Haights Creek Irrigation	7,008	2,803	4,205	Syracuse City	1,466	526	939
Hill A.F.B. Golf Course	640	256	384	Uintah Mountain Streams	200	80	120
Hill Field At 193	139	56	83	Valley View Golf Course	370	148	222
Hooper Irrigation	5,663	2,265	3,398	Warren Irrigation	700	210	490
Huntsville Irrigation	600	180	420	Weber Basin Job Corps	300	120	180
Huntsville So Bench Irrigation	600	180	420	Weber-Box Elder Conservation District	4,476	1,790	2,685
Kays Creek Irrigation	2,000	800	1,200	Weber Canal Company	200	60	140
Kaysville Irrigation	1,691	507	1,184	Welch Field Ditch	240	72	168
Lagoon Amusement Park	225	90	135	West Bountiful Golf	294	118	176
Layton Canal & Irrigation Co.	5,491	1,647	3,843	West Hoytsville Irrigation	300	90	210
Littleton-Milton Irrigation	300	90	210	West Wanship Irrigation	150	45	105
Middle Fork Irrigation	830	249	581	Wilson Irrigation	1,500	450	1,050
Mountain Canal Company	1,297	389	908	<b>Totals</b>	<b>82,437</b>	<b>29,984</b>	<b>52,453</b>
Mountain View Irrigation	705	282	423				
North Morgan Irrigation	160	48	112				

For South Weber WID, the 40% losses were only applied to the 200 AF of Dist 3 water. The remainder is based on the D&W AF/share value.  
 For Syracuse City, the 40% losses were only applied to the 1315.8 AF of non-trilateral contract water. The remaining 150 AF of trilateral water is based on the D&W AF/share value.

**Figure 8: Summary of Irrigation Water Contracts**

## SUMMARY OF M&I WATER CONTRACTS - AF

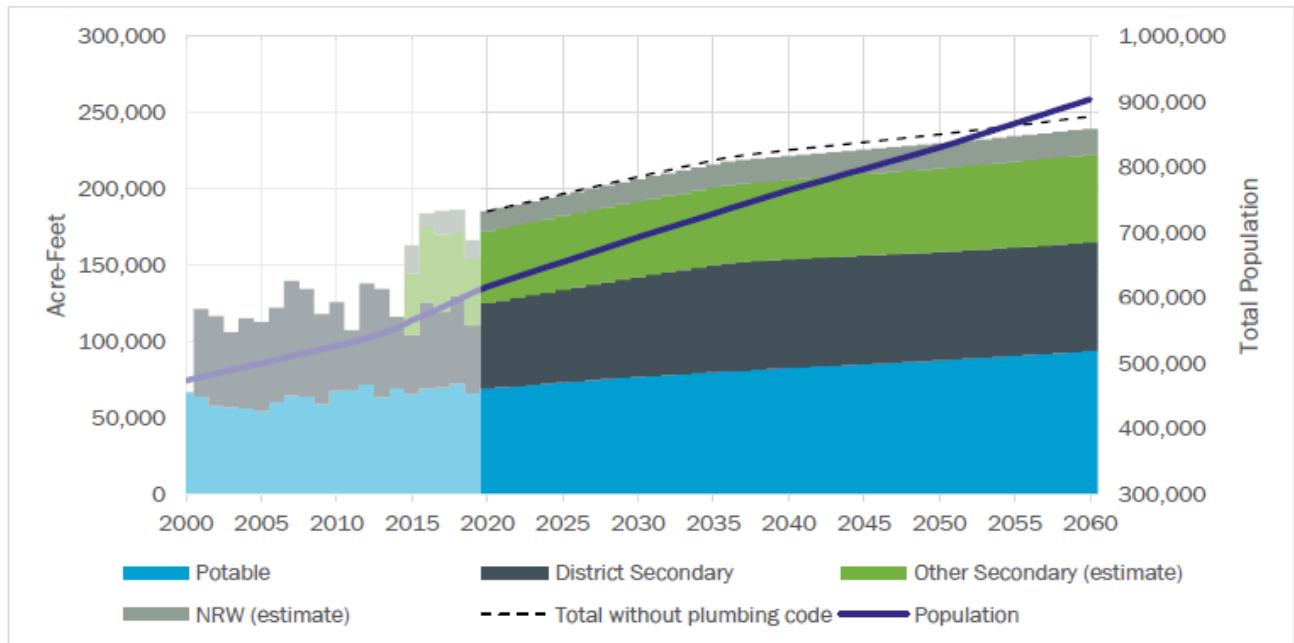
UNTREATED WATER		TREATED WATER CONT.	
CONTRACTING ENTITY	CONTRACT AMOUNT	CONTRACTING ENTITY	CONTRACT AMOUNT
BIG WEST OIL	100.00	<b>MORGAN COUNTY</b>	
CHEVRON, USA	1,200.00	REPLACEMENT WATER	4,739.00
GREAT SALT LAKE MINERALS	7,980.00	<b>SUMMIT COUNTY</b>	
MOUNTAIN REGIONAL SSD	2,100.00	REPLACEMENT WATER	13,267.00
NORTH SALT LAKE CITY	38.00	<b>WEBER COUNTY</b>	
OGDEN CITY	1,500.00	SILVERLINE	5.00
PARK CITY	2,900.00	BONA VISTA WATER IMP. DIST	3,786.00
PARSONS	22.00	GREAT SALT LAKE MINERALS	900.00
SUMMIT WATER DIST. COMPANY	1,150.00	HOOPER WATER IMP. DISTRICT	108.5
TESORO	5.00	MJK FABRICATION	5.00
<b>TOTAL UNTREATED</b>	<b>16,995.00</b>	OGDEN CITY	7,000.00
TREATED WATER		PLEASANT VIEW CITY	275.00
CONTRACTING ENTITY	CONTRACT AMOUNT	RIVERDALE CITY*	1,165.00
<b>DAVIS COUNTY</b>		ROY CITY	3,263.00
BOUNTIFUL CITY	1,000.00	SOUTH OGDEN CITY*	785.00
CENTERVILLE CITY	500.00	TAYLOR-WEST WEBER WID	847.46
CHEVRON, USA	2,000.00	UINTAH HIGHLANDS WID	247.00
CLEARFIELD CITY	5,348.00	UINTAH CITY	468.00
CLINTON CITY	1,630.00	WASHINGTON TERRACE CITY	1,000.00
FARMINGTON CITY	501.00	WEBER COUNTY-MOULDING	5.00
FRUIT HEIGHTS CITY	745.00	WEST WARREN- WARREN WID	542.30
GENEVA ROCK	44.00	WESTERN BASIN WATER COMPANY	2,380.00
HILL AIR FORCE BASE	1,018.79	WESTERN ZIRCONIUM	560.00
KAYSVILLE CITY*	2,500.00	REPLACEMENT WATER	9,084.00
LAYTON CITY	7,329.00	<b>TOTAL WEBER COUNTY</b>	<b>23,342.26</b>
MIDA-FALCON HILL	15.00		
MUTTON HOLLOW WID	220.00	<b>TOTAL REPLACEMENT WATER</b>	<b>27,090.00</b>
NORTH SALT LAKE CITY	2,015.00	<b>TOTAL TREATED WATER</b>	<b>54,672.93</b>
SOUTH DAVIS COUNTY WID	360.00	<b>TOTAL UNTREATED &amp; TREATED</b>	<b>98,757.93</b>
SOUTH WEBER CITY	1,145.88		
SUNSET CITY	1,400.00		
SYRACUSE CITY	1,925.00		
TESORO	5.00		
WASATCH INTEGRATED WASTE MGMT	10.00		
WEBBS CANYON WATER COMPANY	9.00		
WEBER BASIN JOB CORP	60.00		
WEST BOUNTIFUL CITY	750.00		
WEST POINT CITY	700.00		
WOODS CROSS CITY	100.00		
<b>TOTAL DAVIS COUNTY</b>	<b>31,330.67</b>		

\* Amount of Burch Creek water treated for South Ogden City: 795.21 acre-feet  
 \* Amount of Holmes Creek water exchanged for Kaysville City: 521.54 acre-feet  
 \* Amount of share water exchanged for Riverdale City: 0 acre-feet

The following entities added to their contracts during 2022: Great Salt Lake Minerals (50.0), South Weber City (14.17), West Warren - Warren WID (8.1), Hooper WID (0.4)

**Figure 9: Summary of M&I Water Contracts**

The chart below shows the historical and the projected demands and population through 2060, as shown in the Water Conservation and Management Plan (2021). The starting year demand was based on the average total demand for 2015-2019, which are the only years with complete water use for all three use categories (at the time of the WCMP, 2021). These years also include a full cycle of wet and dry conditions.



**Figure 10: Demands and Population through 2060**

The District continues to work to reduce uncertainty within the data utilized to track water conservation. Historic GPCD for its service area can be found within the Division of Water Resources database but should be used with caution recognizing the infancy of the data collection process especially as it relates to secondary water usage, historic estimation of secondary water usage and potential for duplication of deliveries. The District is working to establish a representative GPCD for its area.

## Water Conservation Practices

*Provide new Best Management Practices (BMPs) that will be implemented for the next 5 years. Include an implementation timeline and evaluation process to measure progress.*

BMPs the District is currently not doing:

- Ongoing collaboration on landscape incentive programs to improve and expand these programs.
- Offer residential water budgeting programs.
- Offer indoor/outdoor retrofit kits.
- Identify structures built before 1992 and organize low efficiency fixture replacements.
- Work with our communities to update water conservation standards which may include:
  - Change business license requirements to require water reuse and recycling in new facilities.
  - Updating of standards based on rehabilitation of processes or landscapes.
- Assessing usage-based billing for its secondary water customers.
- Assisting in water system audit and leak detection program.
- Metering all secondary water connections (In progress with plans to be completed by 2026).

The evaluation process to measure the progress will be seen in the quantity of meters installed annually. These meters can be read instantaneously, and monthly reports are sent out to the end user in order to

monitor water use. The District has plans to complete the meter installations on all connections by 2026.

The District has made great progress since the last Water Conservation Plan update in 2018. Since then, the District has completed or is still engaged in the following:

- Hired an additional Water Conservation Coordinator to implement and oversee conservation programs and incentives.
- Developed a Water Conservation and Management Plan (2021)
- Utilizes existing messaging from Slow the Flow and Division of Water Resources in addition to District created messaging and conservation materials.
- Continue to display educational materials and resources on websites, social media, and bills.
- Regularly offer materials regarding conservation and resources for community partners and customers.
- Continue to educate its customers through events, programs, and presentations, the spring Garden Fair, the Fall Spooktacular.
- Continue to offer school group tours of water treatment facilities and the Learning Garden to allow for the youth to learn more about the process of treating water and the importance of water conservation.
- Provide and maintain a public waterwise education garden which demonstrates the best management practices (BPMs) for low water landscaping suitable for our climate.
- Regularly send mail to the customers educating them about the new technology in the secondary meters and how each can utilize the information provided about their water use to conserve water in their own landscapes.
- Providing new homeowners with water-efficient landscape information.
- Participate in water-efficient landscape training for landscapers and large facility managers by hosting QWEL trainings on-site.
- Creating “how-to” videos to upload on the District’s website and on demand class information.
- Offer incentives for high efficiency fixtures, irrigation smart controllers, and the removal of irrigated lawn through the Flip Your Strip and Landscape Lawn Exchange programs.
- Promote additional rebates/incentives offered within the District’s service area.
- Provide online training and free catch cups with instructions to educate the public on how to conduct their own residential water audit.
- Perform outdoor high water use inquiries and resolution techniques.
- Address wasteful water complaints with an online tool for residents to enter water waste they see.
- Continue a time-of-day watering policy of no watering between 10 am and 6 pm.
- Encourage Cities and Counties to adopt ordinances requiring a water efficient landscape on all new residential and commercial developments.
- Implement water rates for higher tiers of consumption, per SB 52.
- Has a tool to allow customers to set notifications when they have high water use. Internal tools for staff to determine high water use and then provide education or enforcement to the customer.
- Maintain and implement efficient irrigation and water-wise landscaping at all agency facilities.
- Implemented a repair and replacement program for the existing meters as well as reading all meters on a regular basis.
- The District is currently pursuing a project that would implement water reuse within their system.

The District's current BMPs are listed above, and the District has noted that all the programs are necessary in order to continue to promote conservation across the state of Utah.

#### Conservation Public Awareness Practices

- Social media campaigns
- Advertising through local print advertising, online through KSL.com, Pandora and Spotify ads, billboards, District vehicle tailgates, and on the District's website

#### Education/Training Practices

- Free landscaping classes for the public
- Host contractor training certifications through the Irrigation Association
- Host QWEL trainings

#### Rebates/Incentives/Rewards

- Smart controller rebates
- Low flow toilet rebates
- Landscape incentives available for cities who have adopted qualified landscaping ordinances that meet statewide and District requirements for water efficiency.

#### Conservation Policies and Standards

- No watering between 10 am – 6 pm
- All new connections require a meter to be installed

#### Water Waste Prohibition

- Metered users with allocations are held to their allocation

#### Model Landscape Ordinances

- Cities are required to have water efficient landscapes for new landscaping that reduces lawn area and reduces overall landscape irrigation demands.



Drought Contingency Plan

### Drought Levels

RESPONSE LEVEL	ADVISORY CODE	WATER SHORTAGE DESCRIPTION	GENERAL DESCRIPTION
1	Blue	Normal	Projected June 1st storage greater than 72% of total basin storage capacity, normal or better snowpack
2	Gray	Advisory	Projected June 1st storage greater than 72% of total basin storage capacity, low projected snow pack and low Colorado Basin River Forecast Center (CBRFC) flows
3	Yellow	Moderate	Projected June 1st storage is 64-72% of total basin storage capacity
4	Orange	Severe	Projected June 1st storage is 53-64% of total basin storage capacity
5	Red	Extreme	Projected June 1st storage is < 53% of total basin storage capacity

Figure 11: Restrictions to Implement in the Event of a Drought

The District enforces two development requirements that are based off of the type of customer. For retail customers, The District restricts the volume of water that can be sold (used) for new connections to 0.38 ac-ft for properties greater than or equal to 0.25 acres. For properties less than 0.25 acres, the volume of water sold is reduced proportionally. For wholesale customers, the District requires the receiving communities to adopt standards that assist in meeting the previously defined goal of 175 gpcd.

*Provide names and contact information for those responsible for meeting efficiency goals (example: administrative staff, conservation coordinators, conservation committee, mayor, town council, and/or board members).*

David Rice  
 801-614-5280  
[drice@weberbasin.gov](mailto:drice@weberbasin.gov)

Ashley Nay  
 801-771-4380  
[anay@weberbasin.com](mailto:anay@weberbasin.com)

Jon Parry  
 801-771-1677  
[jparry@weberbain.gov](mailto:jparry@weberbain.gov)