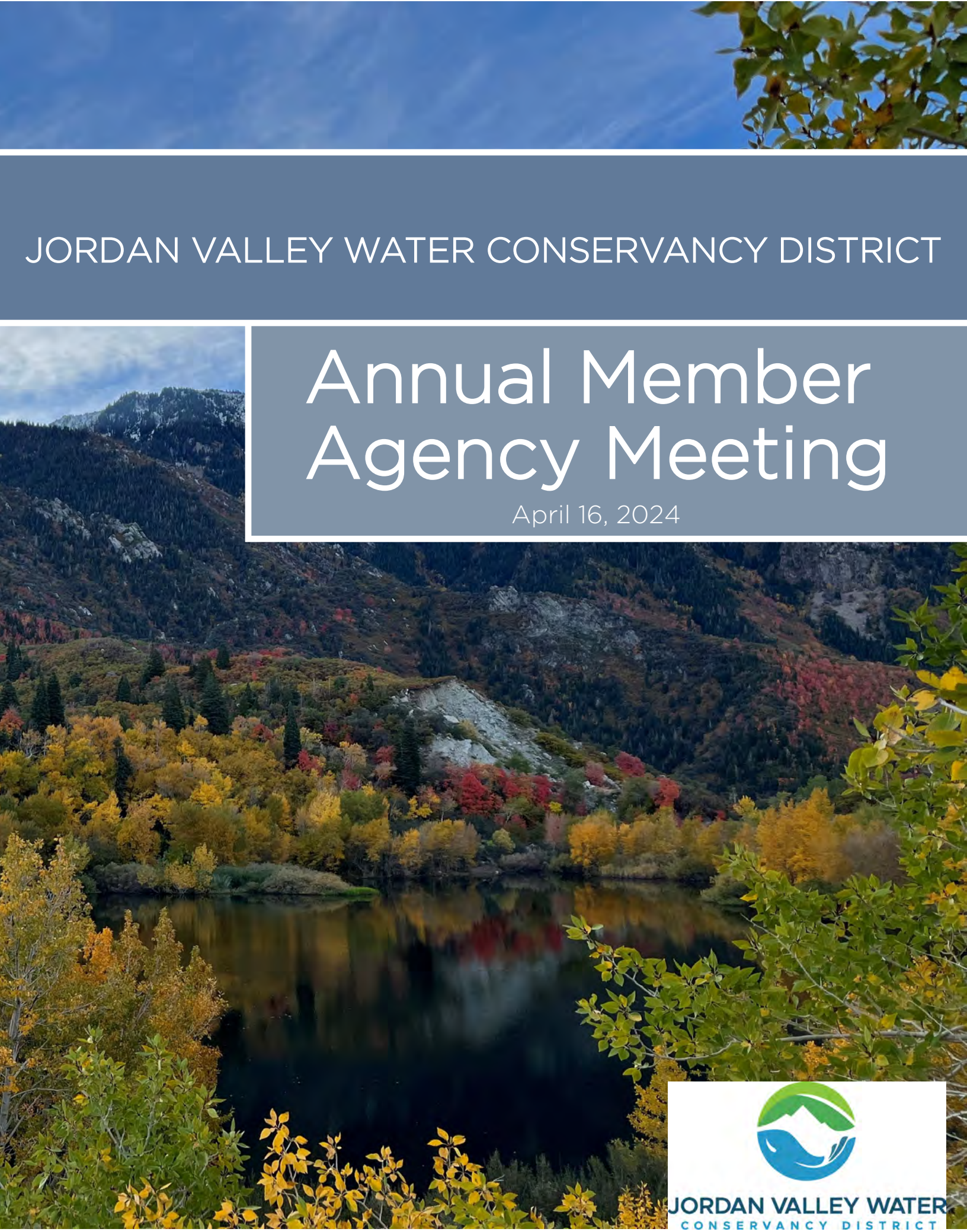
JORDAN VALLEY WATER CONSERVANCY DISTRICT

Annual Member Agency Meeting

April 16, 2024



JORDAN VALLEY WATER CONSERVANCY DISTRICT

Photo: Bell Canyon Reservoir, by Kolby Parman

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Annual Member Agency Meeting
April 16, 2024

Annual Member Agency Meeting Agenda

April 16, 2024

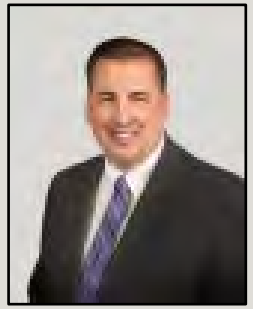
1. Welcome and introductions (Alan Packard)
2. JVWCD Board of Trustees (Alan Packard)
3. JVWCD mission and strategy to fulfill its mission (Alan Packard)
   a. Water supply/water quality report (Shazelle Terry)
      i. JVWCD Drought Contingency Plan – Drought Monitoring Committee Recommendation for 2024 and Water Supply Outlook
      ii. Maintaining high quality water
   b. Conservation activities report (Jacob Young)
      i. Report on 2023 water use results
      ii. Grant opportunities and water conservation programs
   c. Long-term water supply planning and 10-year Capital Projects Plan (Shane Swensen)
4. Financial plan, water rates and methodology (Dave Martin)
5. Legislative issues and Prep60 report (Alan Packard)
6. Questions and discussions (Alan Packard)

JVWCD Trustees

Corey L. Rushton
Chair

Karen D. Lang
Vice Chair

Barbara L. Townsend
Conservation Committee Chair



John H. Taylor
Finance Committee Chair

Zach Jacob

Dawn R. Ramsey

John B. Richardson

Mick M. Sudbury

Andy Pierucci

JVWCD Mission

Our Mission:

We provide clean and reliable water to our community through responsible stewardship and quality service.

Our Tag-line:

Delivering quality every day.®

JVWCD Strategic Plan

www.jvwcd.org/about

JVWCD Strategic Plan

Core Imperatives

- Nurture an Environment of Professional Growth to Develop a Dynamic Workforce
- Forge Collaborative Planning for a Thriving Community
- Enhance Our Resilience to Current Threats
- Foster the Community's Conscious Connection with Water
- Modernize Systems to Optimize Our Services

JVWCD Strategic Plan

Effective Utility Management Attributes – Measure Performance

1. Product Quality and Operational Optimization
2. Customer Satisfaction and Stakeholder Support
3. Employee and Leadership Development
4. Financial Viability
5. Infrastructure Strategy and Performance
6. Enterprise Resiliency
7. Water Resource Sustainability
8. Community Sustainability

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Annual Member Agency Meeting
April 16, 2024

JORDAN VALLEY WATER
CONSERVANCY DISTRICT

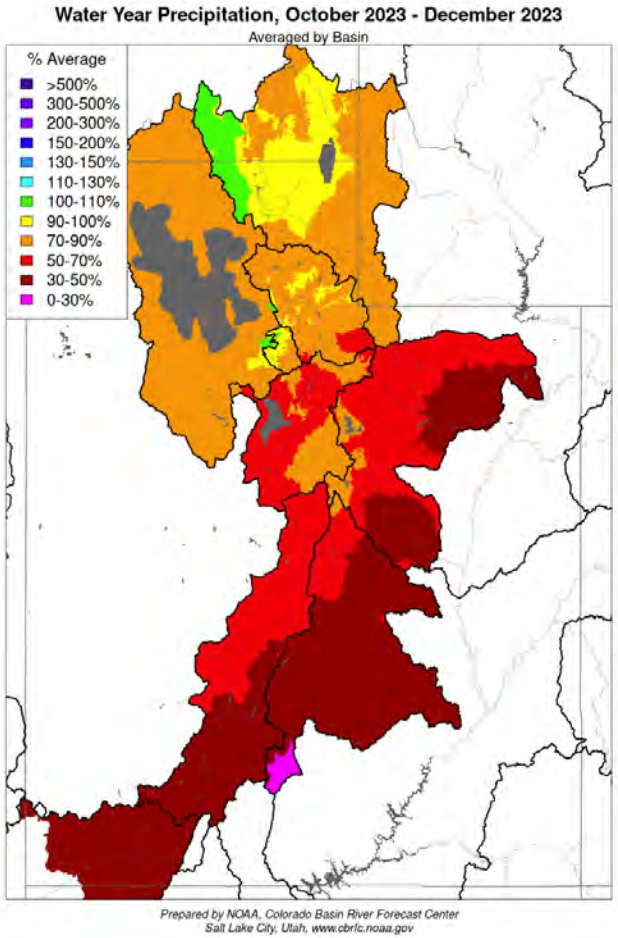
Water Supply Outlook

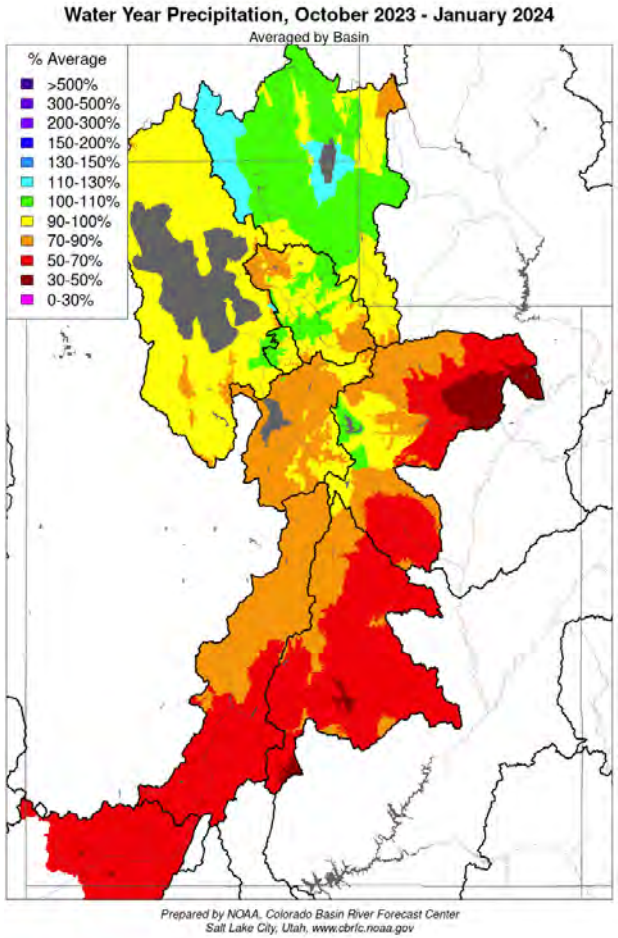
JVWCD Annual Member Agency Meeting

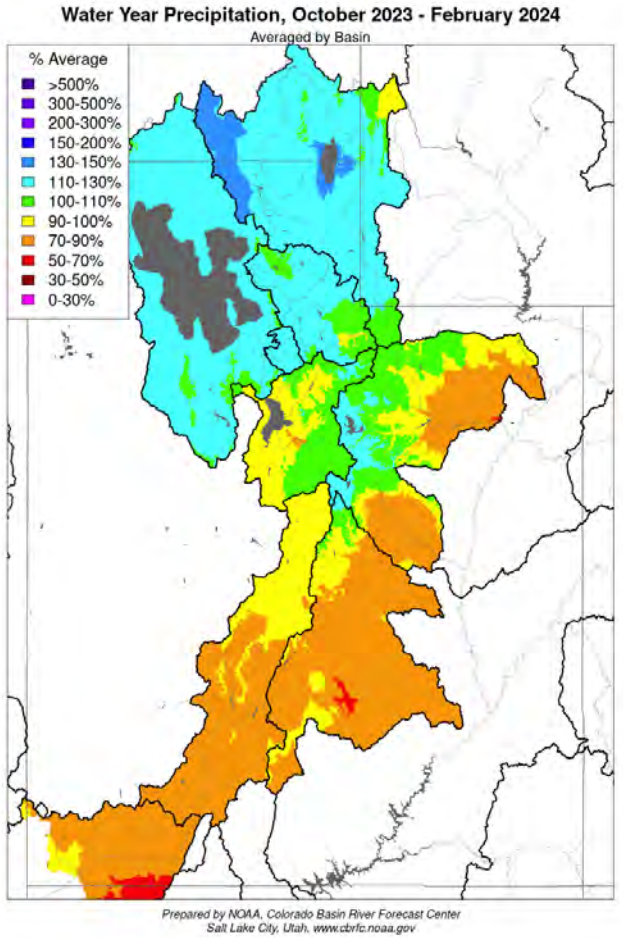
April 16, 2024

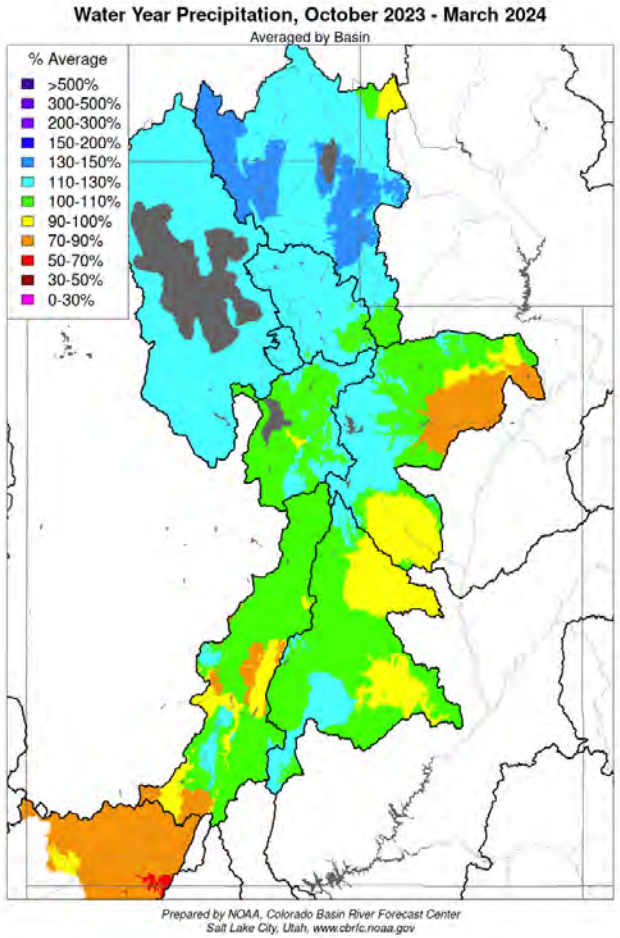
2024 Water Year Precipitation as a Percent of Average

December 2023 through March 2024

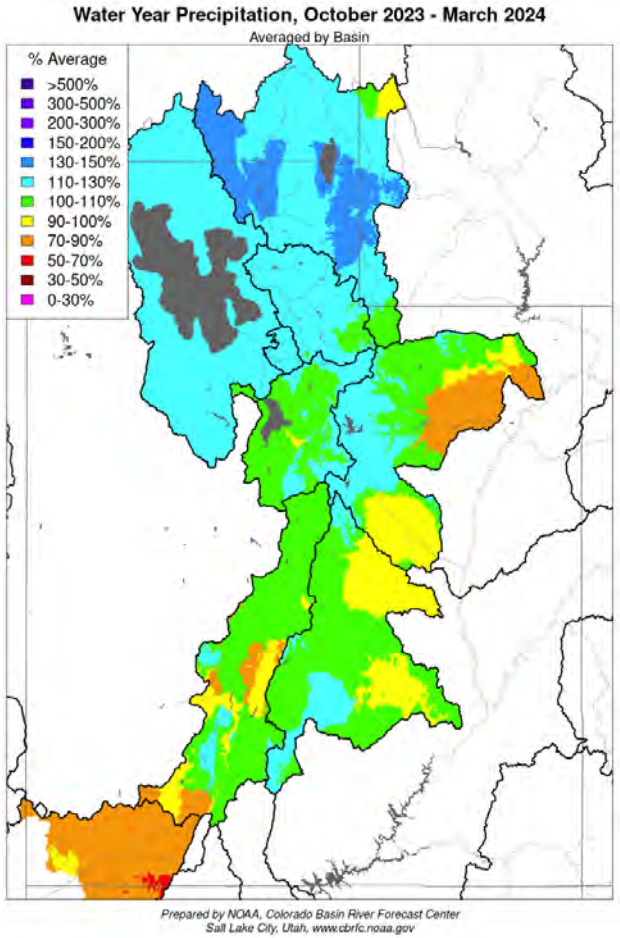


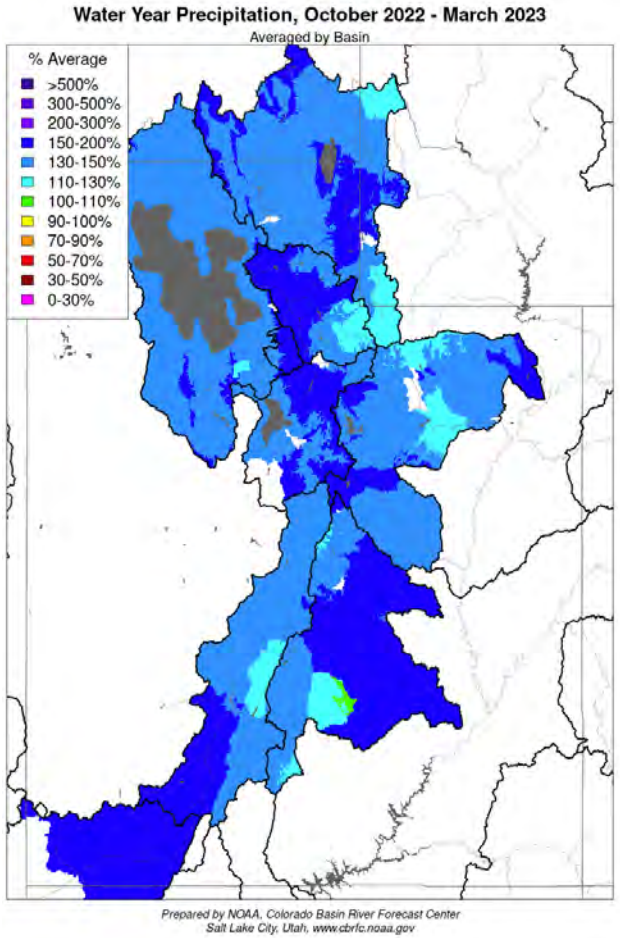


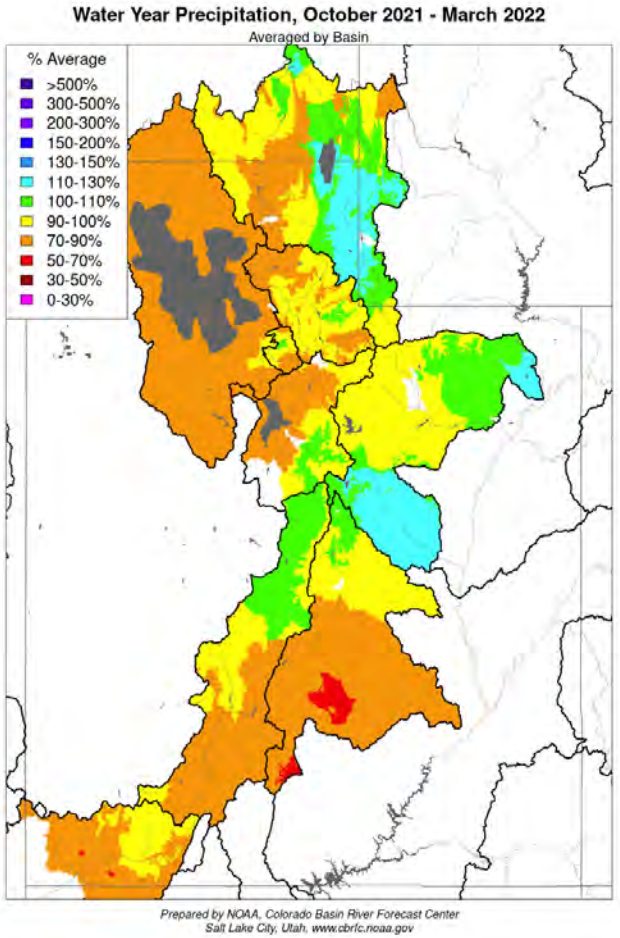


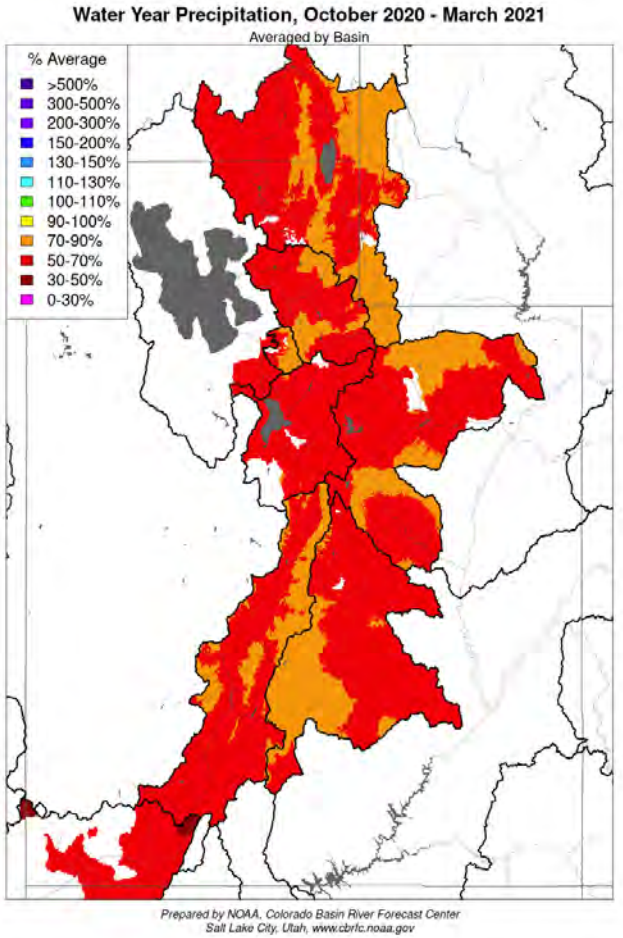


Water Year Precipitation Comparison through March 2021 - 2024

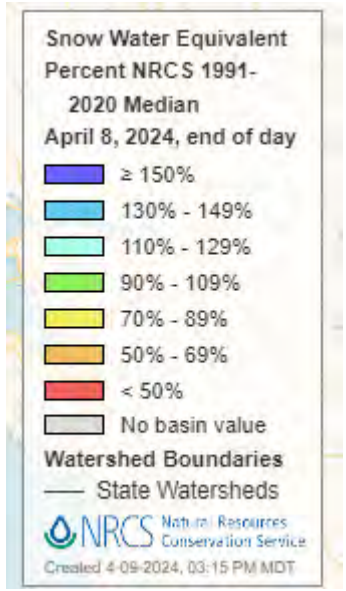


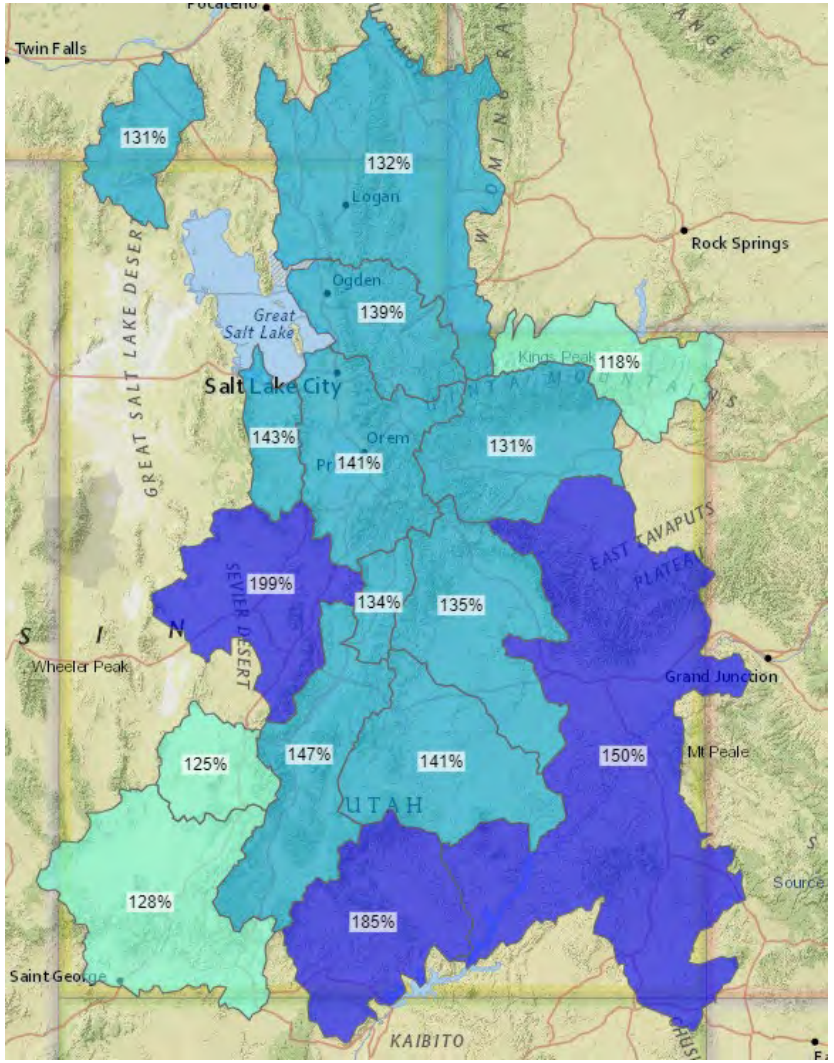


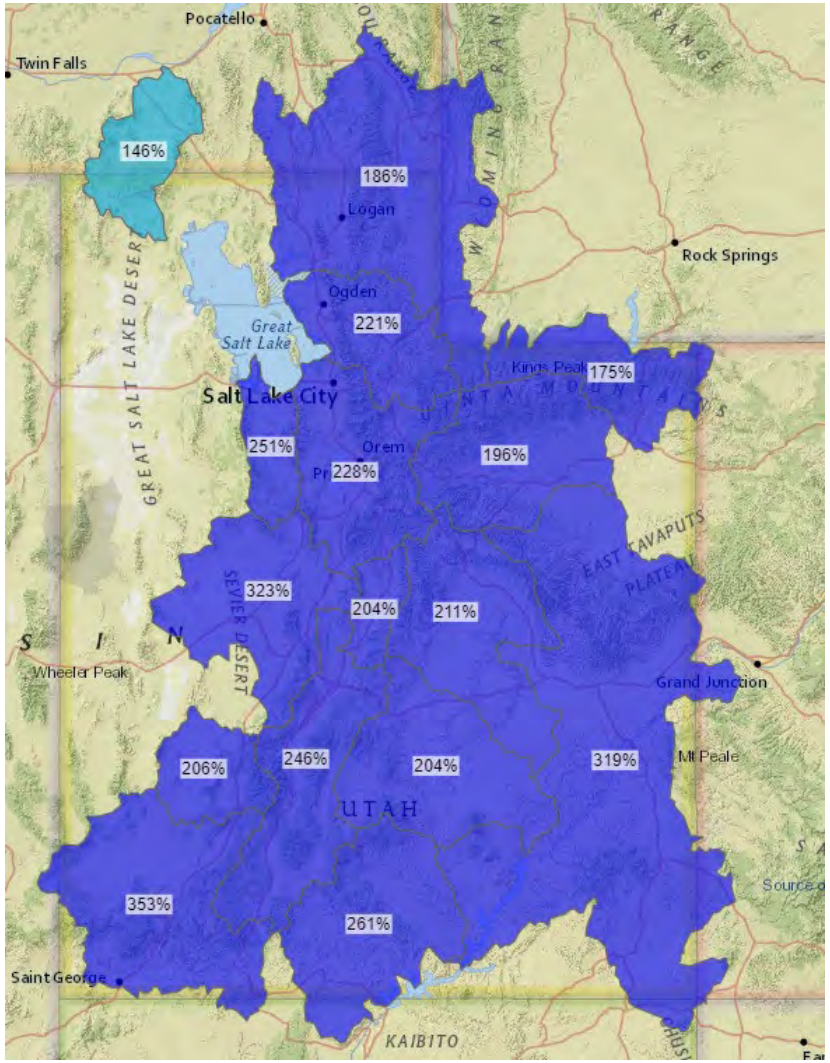


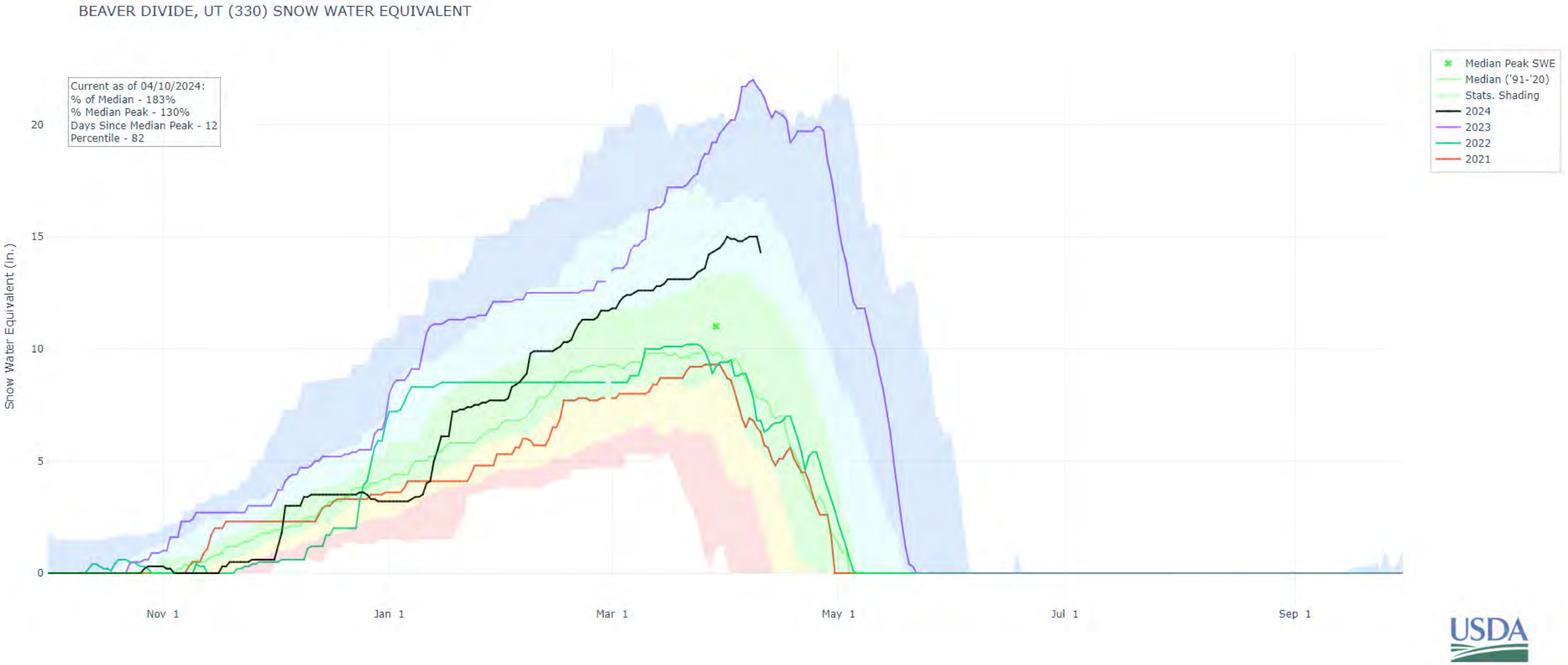


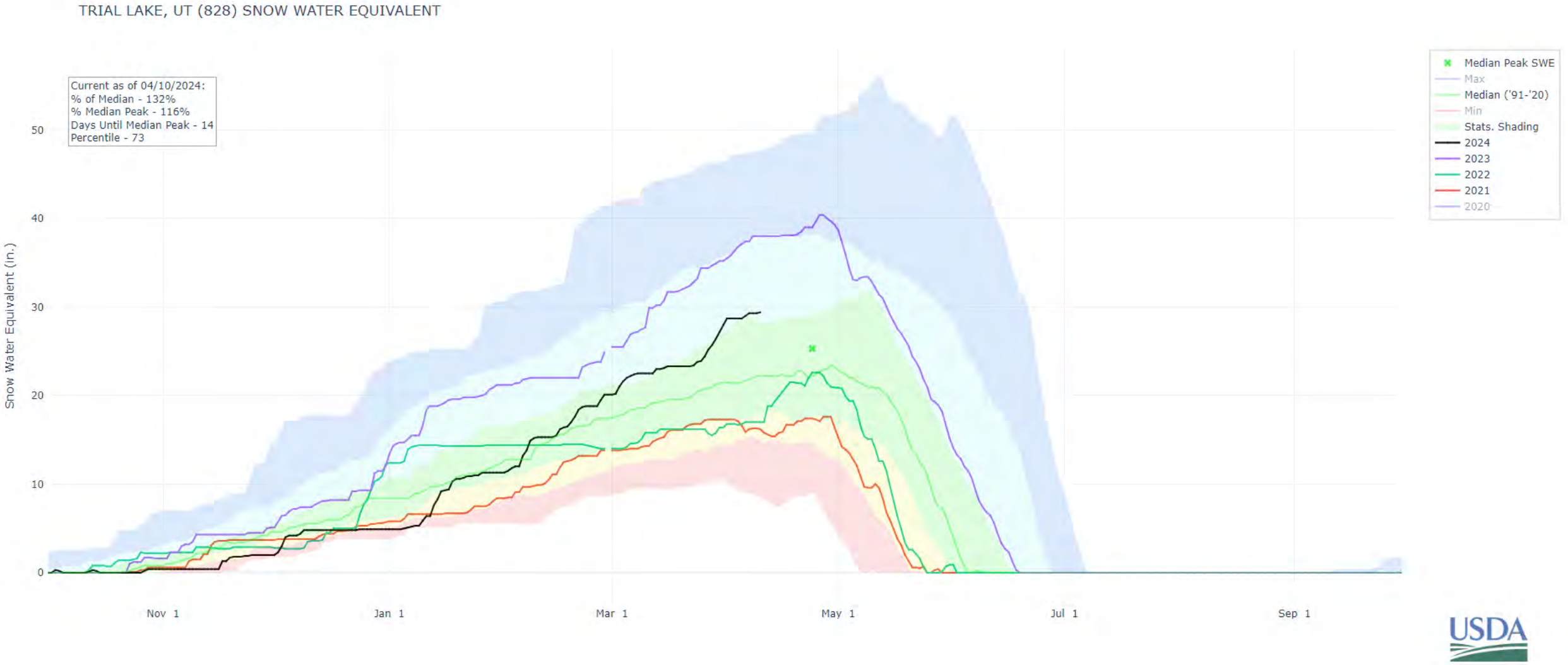
Snow Water Equivalent % of Median – April 8, 2024 vs. 2023





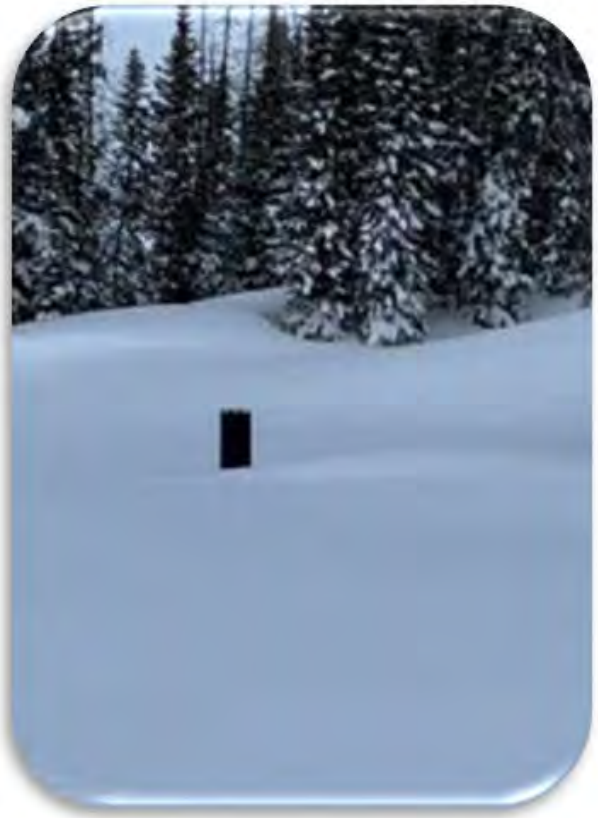



BEAVER DIVIDE, UT (330) SNOW WATER EQUIVALENT
Current as of 04/10/2024:
% of Median - 183%
% Median Peak - 130%
Days Since Median Peak - 12
Percentile - 82
Median Peak SWE
Median ('91-'20)
Stats. Shading
2024
2023
2022
2021
Snow Water Equivalent (in.)
0
5
10
15
20
Nov 1
Jan 1
Mar 1
May 1
Jul 1
Sep 1


TRIAL LAKE, UT (828) SNOW WATER EQUIVALENT
Current as of 04/10/2024:
% of Median - 132%
% Median Peak - 116%
Days Until Median Peak - 14
Percentile - 73
Median Peak SWE
Max
Median ('91-'20)
Min
Stats. Shading
2024
2023
2022
2021
2020
Snow Water Equivalent (in.)
0
10
20
30
40
50
Nov 1
Jan 1
Mar 1
May 1
Jul 1
Sep 1

Upper Lakes Snow Survey
Bald Mountain Pass Restroom

March 21, 2024

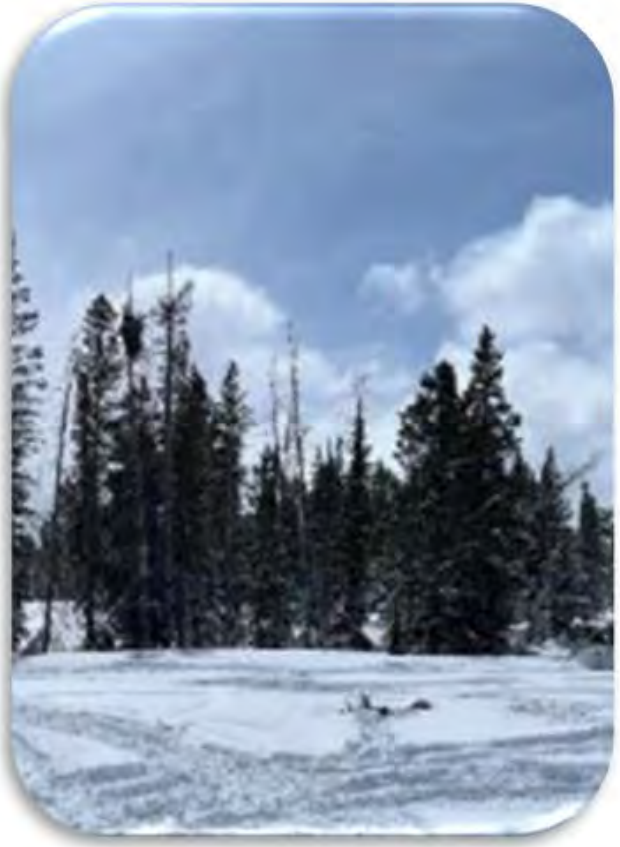


April 5, 2023

April 1, 2022

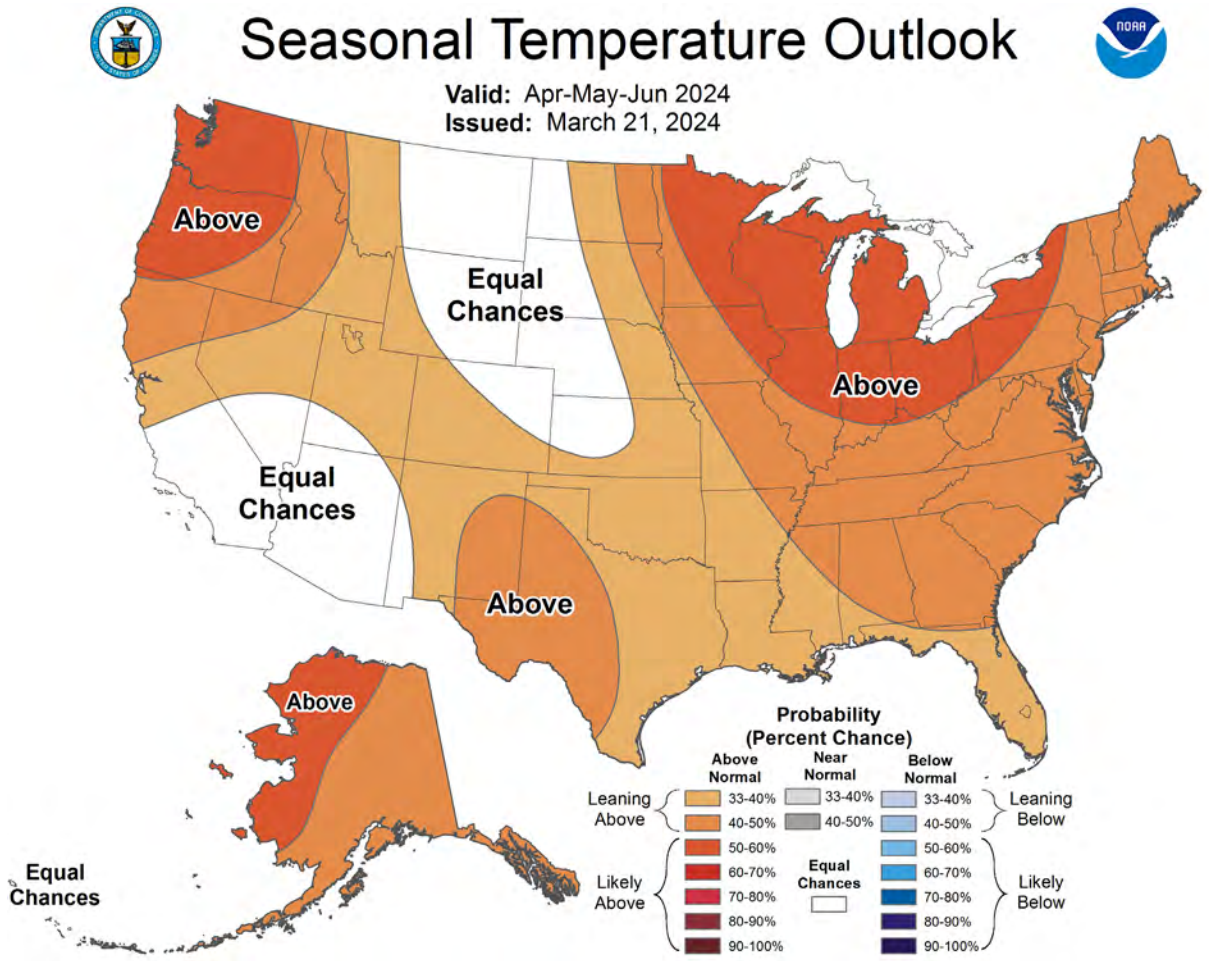
Upper Lakes Snow Survey
Washington Lake Stop Sign

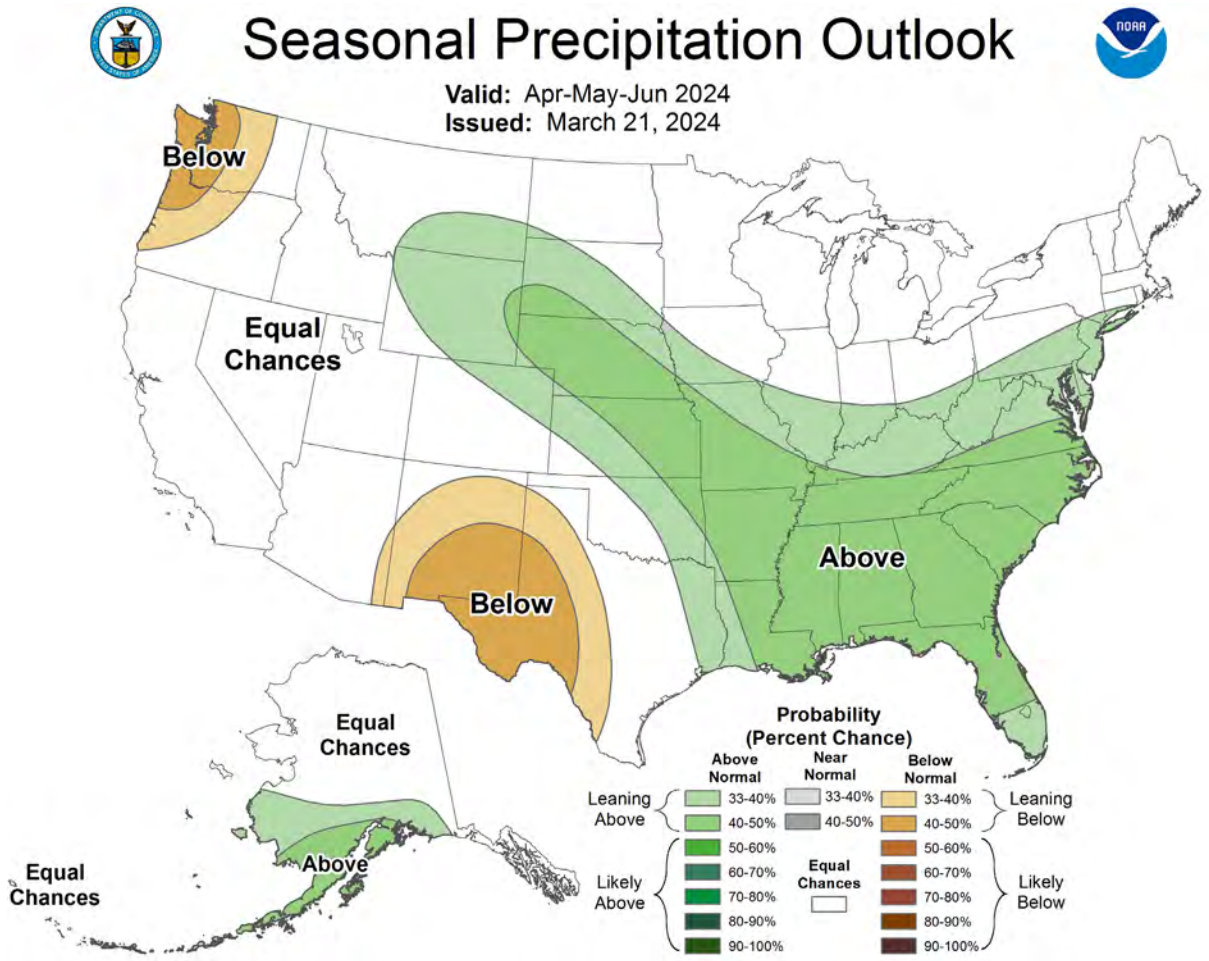
March 21, 2024



April 5, 2023

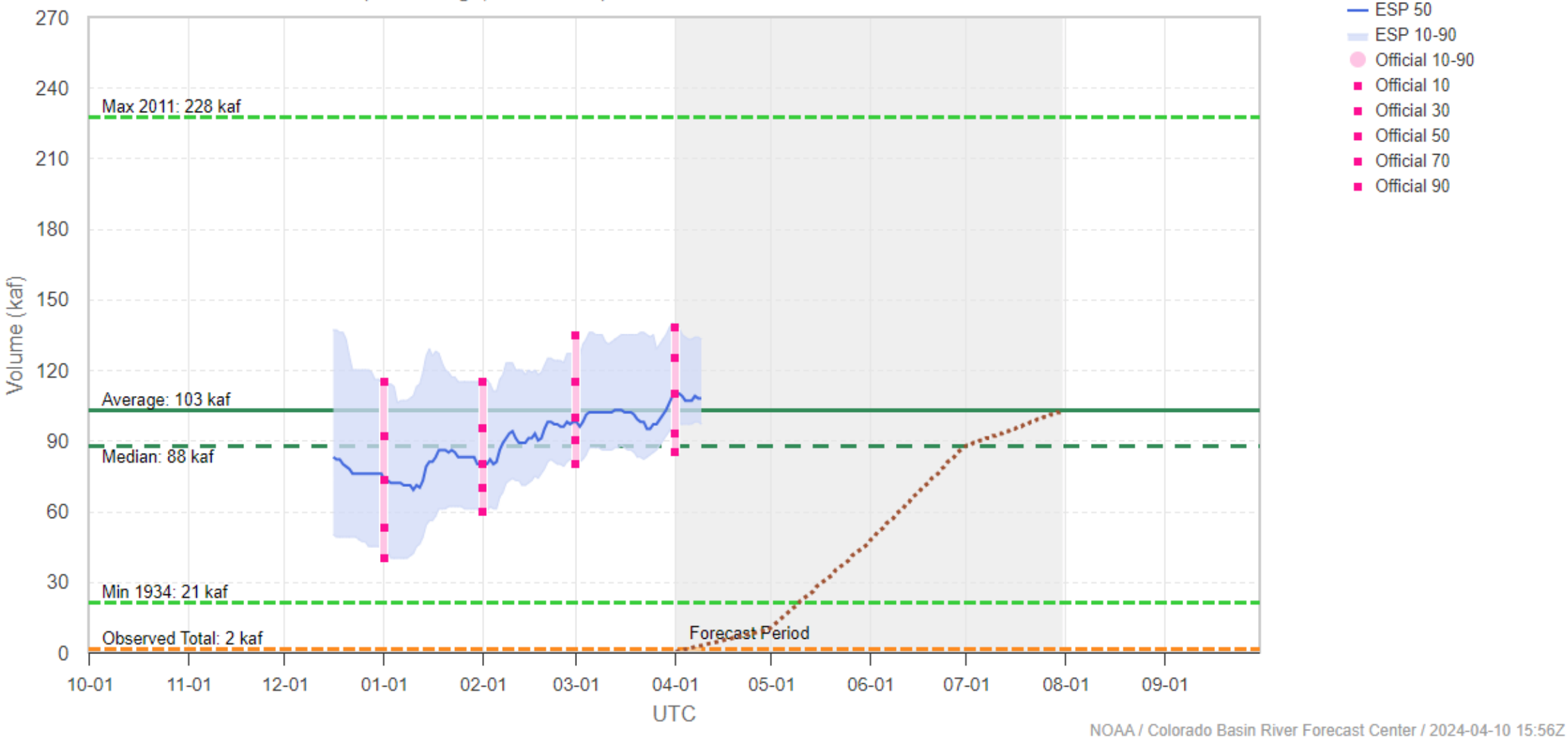
April 5, 2022


Seasonal Temperature Outlook
Valid: Apr-May-Jun 2024
Issued: March 21, 2024
Above
Equal Chances
Above
Equal Chances
Above
Above
Equal Chances
Probability (Percent Chance)
Above Normal
Near Normal
Below Normal
Leaning Above
Leaning Below
Likely Above
Likely Below
Equal Chances
33-40%
40-50%
50-60%
60-70%
70-80%
80-90%
90-100%

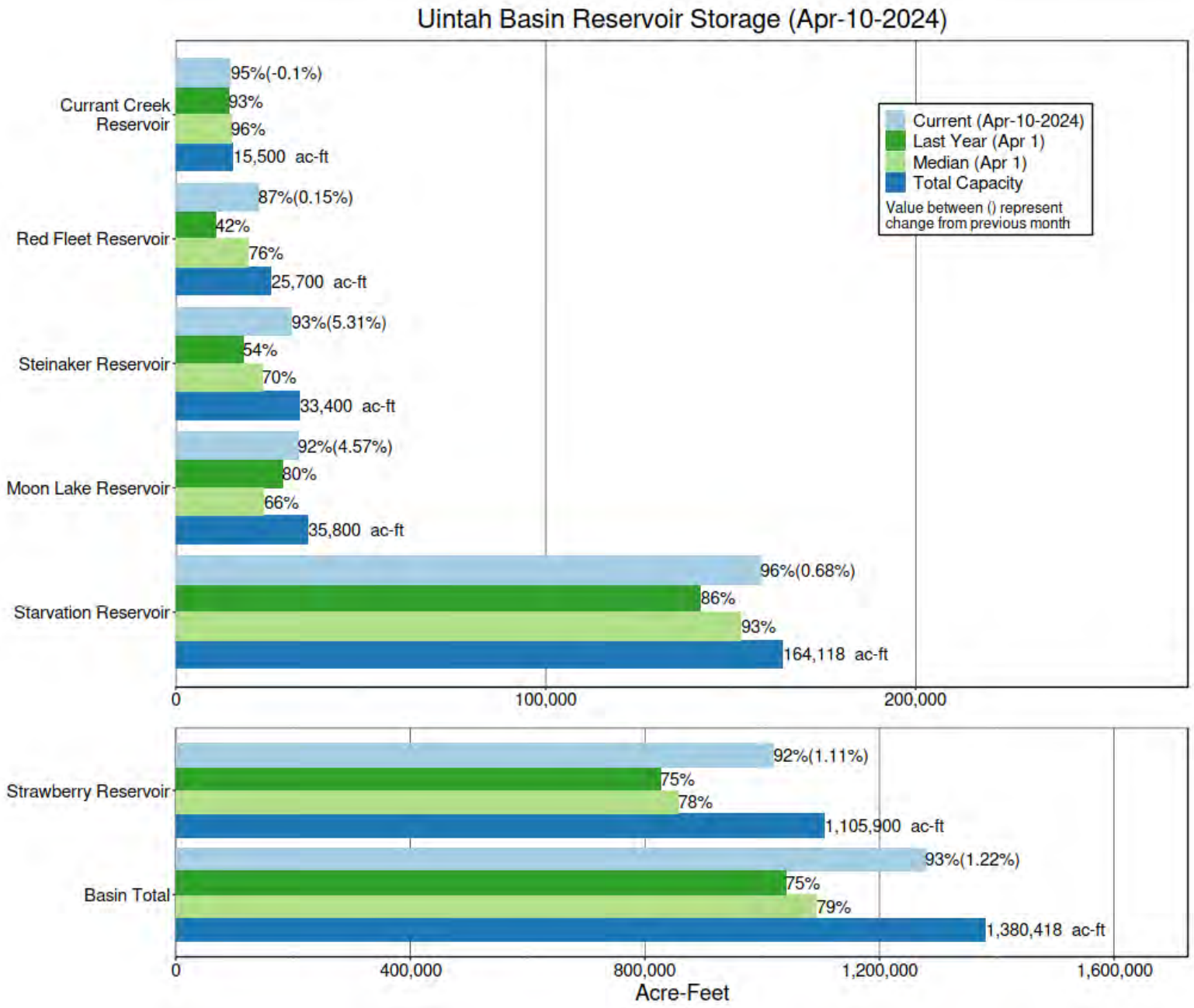

Seasonal Precipitation Outlook
Valid: Apr-May-Jun 2024
Issued: March 21, 2024
Below
Equal Chances
Below
Above
Equal Chances
Above
Probability (Percent Chance)
Above Normal
Near Normal
Below Normal
Leaning Above
Leaning Below
Likely Above
Likely Below
Equal Chances
33-40%
40-50%
50-60%
60-70%
70-80%
80-90%
90-100%

2024 Water Supply Forecast - Duchesne - Tabiona, Nr (TADU1)

ESP is Unregulated and No Precipitation Forecast Included
Official 50% Fcst (2024-04-01): 110 kaf (107% Avg, 125% Med), (53% of Yrs Below Fcst, 50 Highest Flow / 105 Tot Yrs)
ESP 50% Fcst (2024-04-09): 108 kaf (105% Avg, 123% Med), (53% of Yrs Below Fcst, 50 Highest Flow / 105 Tot Yrs)
Observed Volume: 1.70 kaf (2% Average, 2% Median)

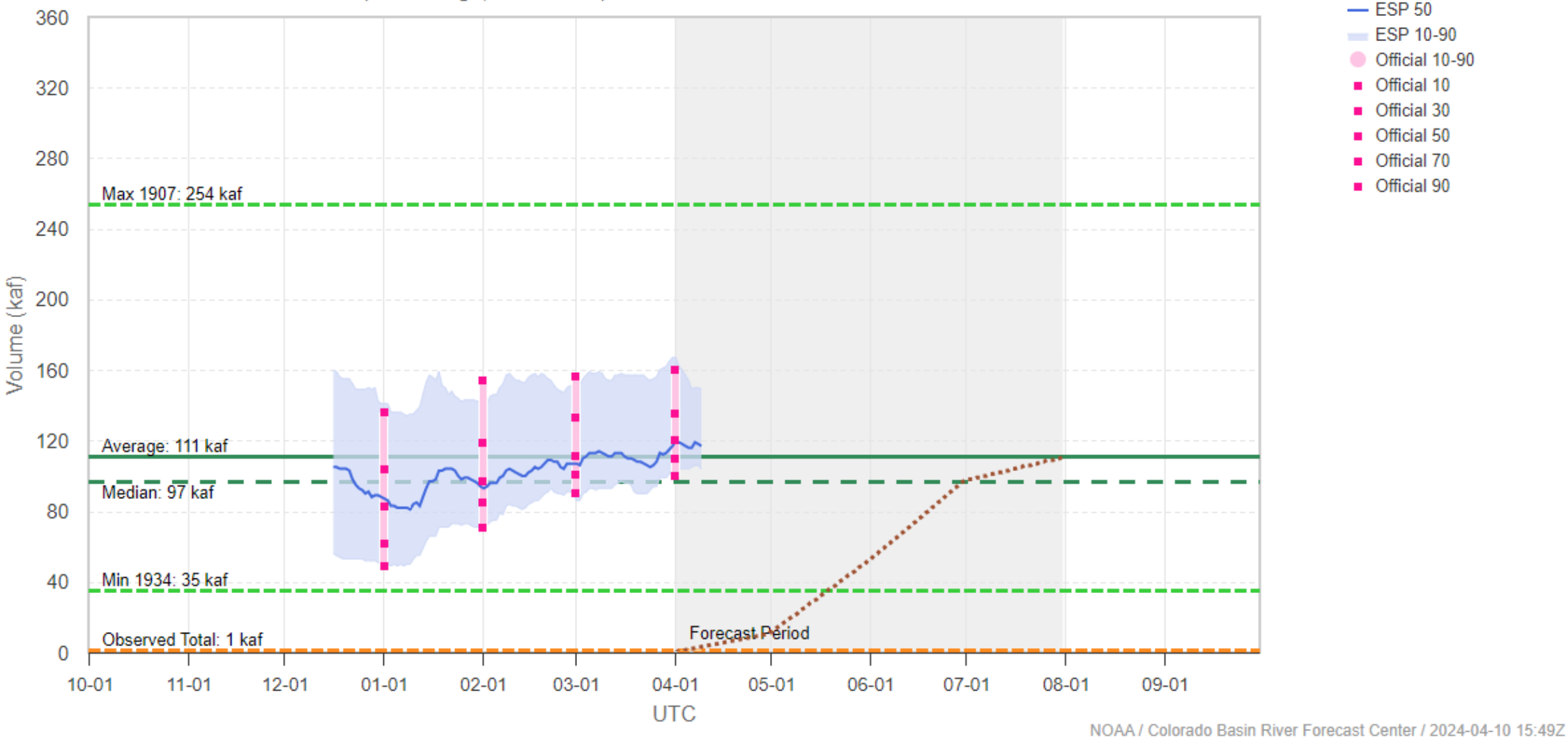


NOAA / Colorado Basin River Forecast Center / 2024-04-10 15:56Z

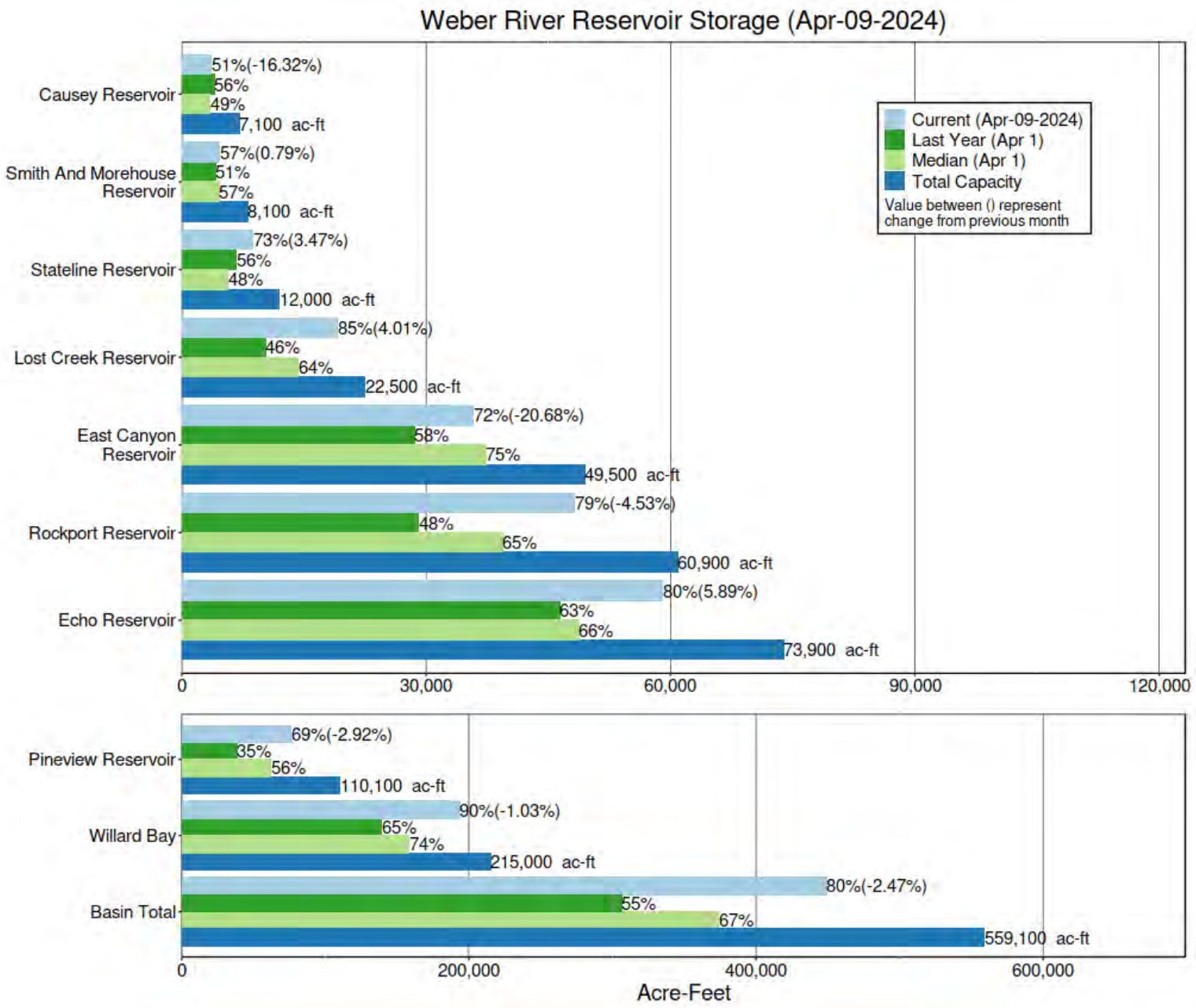

Uintah Basin Reservoir Storage (Apr-10-2024)
Currant Creek Reservoir
95%(-0.1%)
93%
96%
15,500 ac-ft
Red Fleet Reservoir
87%(0.15%)
42%
76%
25,700 ac-ft
Steinaker Reservoir
93%(5.31%)
54%
70%
33,400 ac-ft
Moon Lake Reservoir
92%(4.57%)
80%
66%
35,800 ac-ft
Starvation Reservoir
96%(0.68%)
86%
93%
164,118 ac-ft
Current (Apr-10-2024)
Last Year (Apr 1)
Median (Apr 1)
Total Capacity
Value between () represent change from previous month
0
100,000
200,000
Strawberry Reservoir
92%(1.11%)
75%
78%
1,105,900 ac-ft
Basin Total
93%(1.22%)
75%
79%
1,380,418 ac-ft
0
400,000
800,000
1,200,000
1,600,000
Acre-Feet

2024 Water Supply Forecast - Weber - Oakley, Nr (OAWU1)

ESP is Unregulated and No Precipitation Forecast Included
Official 50% Fcst (2024-04-01): 120 kaf (108% Avg, 124% Med), (50% of Yrs Below Fcst, 60 Highest Flow / 119 Tot Yrs)
ESP 50% Fcst (2024-04-09): 117 kaf (106% Avg, 121% Med), (47% of Yrs Below Fcst, 63 Highest Flow / 119 Tot Yrs)
Observed Volume: 1.49 kaf (1% Average, 2% Median)

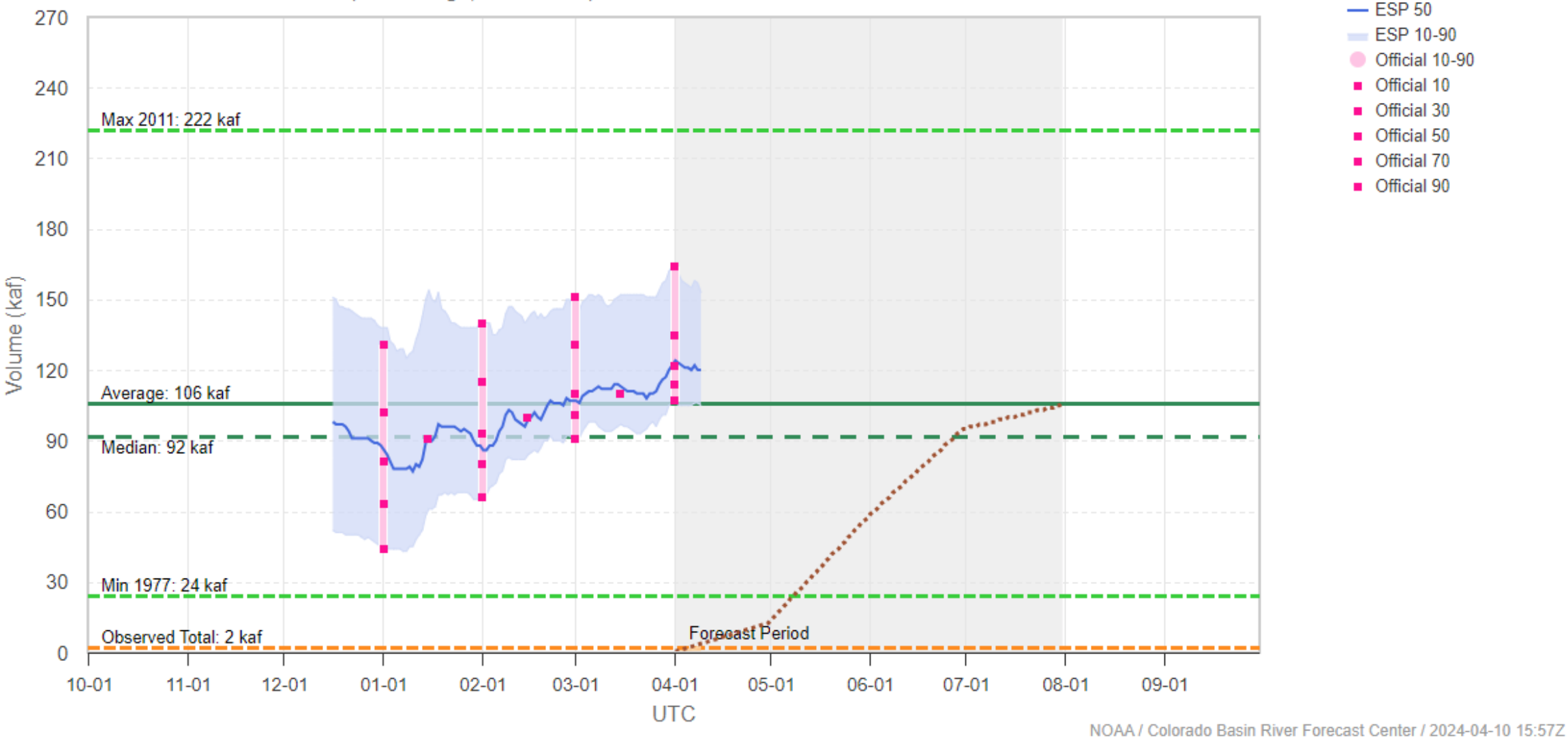


NOAA / Colorado Basin River Forecast Center / 2024-04-10 15:49Z

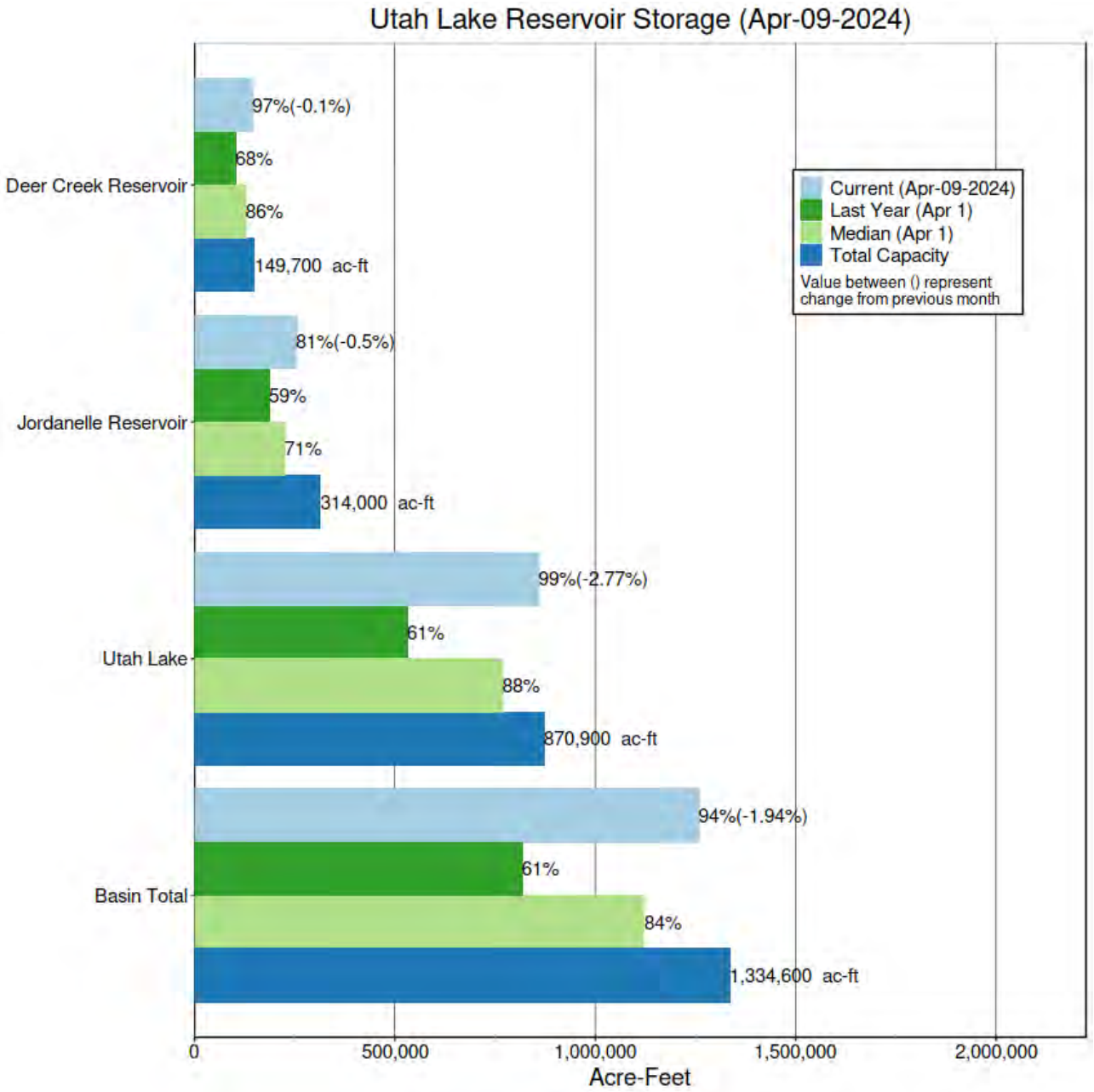

Weber River Reservoir Storage (Apr-09-2024)
Causey Reservoir
51%(-16.32%)
56%
49%
7,100 ac-ft
Smith And Morehouse Reservoir
57%(0.79%)
51%
57%
8,100 ac-ft
Stateline Reservoir
73%(3.47%)
56%
48%
12,000 ac-ft
Lost Creek Reservoir
85%(4.01%)
46%
64%
22,500 ac-ft
East Canyon Reservoir
72%(-20.68%)
58%
75%
49,500 ac-ft
Rockport Reservoir
79%(-4.53%)
48%
65%
60,900 ac-ft
Echo Reservoir
80%(5.89%)
63%
66%
73,900 ac-ft
0
30,000
60,000
90,000
120,000
Current (Apr-09-2024)
Last Year (Apr 1)
Median (Apr 1)
Total Capacity
Value between () represent change from previous month
Pineview Reservoir
69%(-2.92%)
35%
56%
110,100 ac-ft
Willard Bay
90%(-1.03%)
65%
74%
215,000 ac-ft
Basin Total
80%(-2.47%)
55%
67%
559,100 ac-ft
0
200,000
400,000
600,000
Acre-Feet

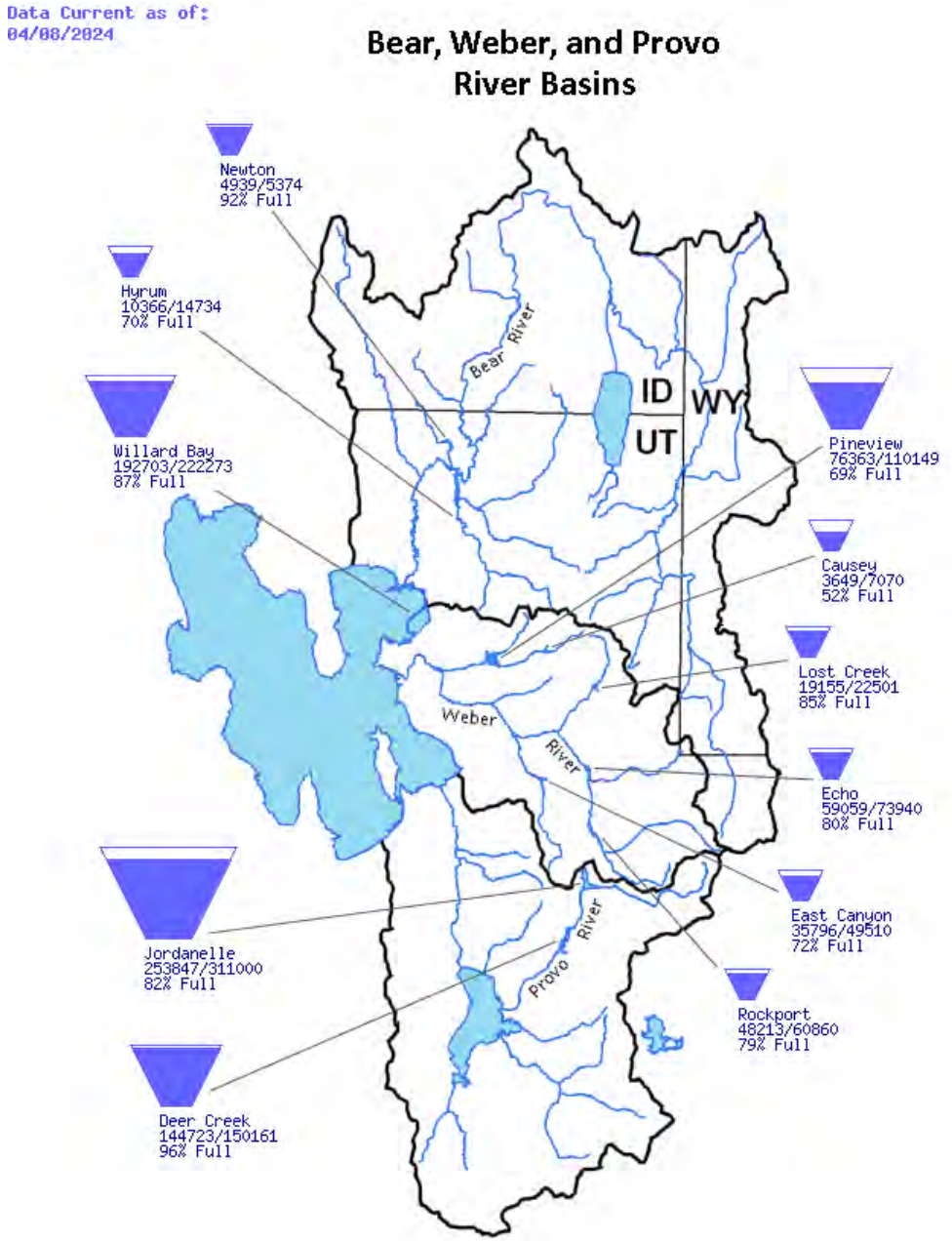
2024 Water Supply Forecast - Provo - Hailstone, Nr (PVHU1)

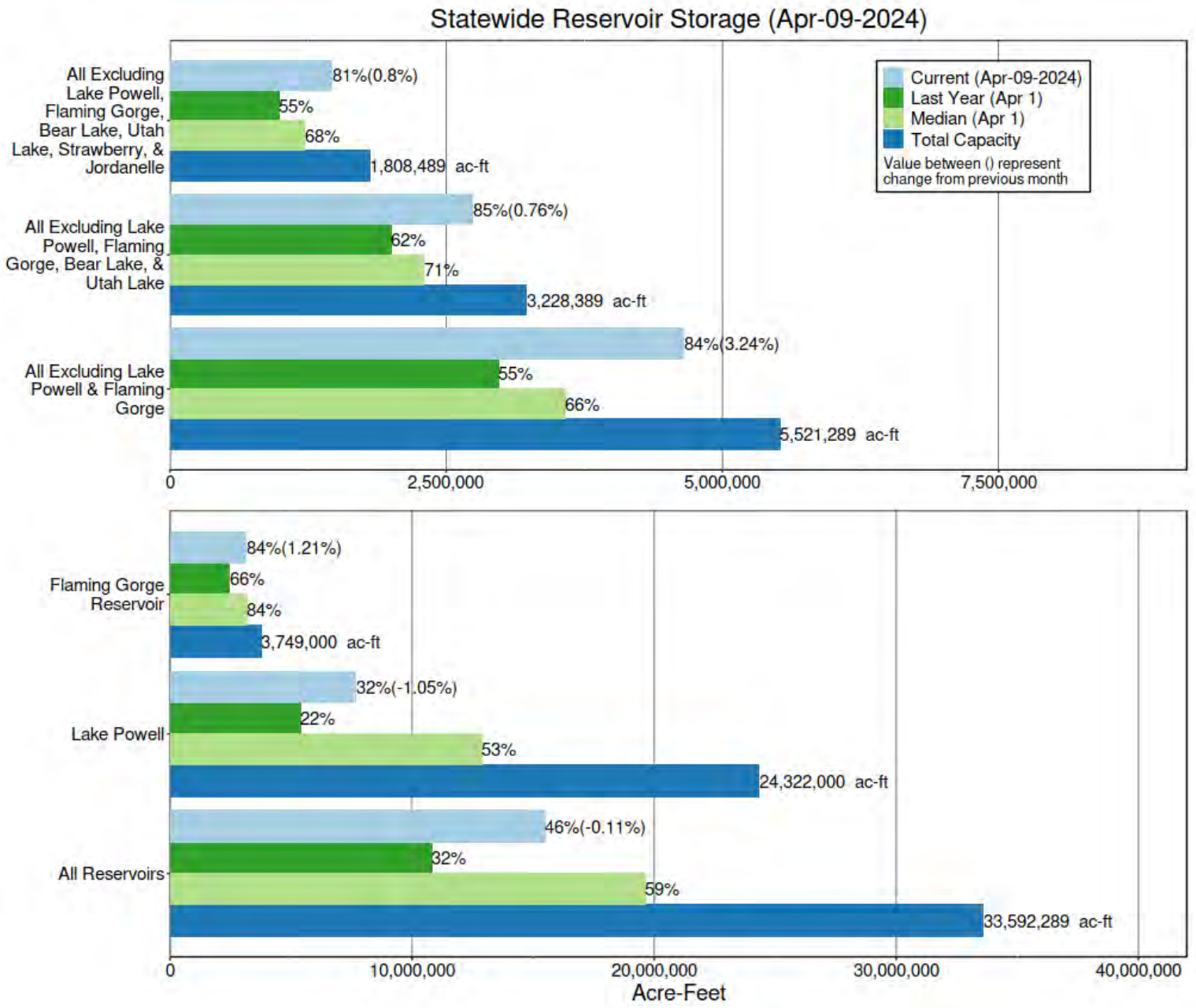
ESP is Unregulated and No Precipitation Forecast Included
Official 50% Fcst (2024-04-01): 122 kaf (115% Avg, 133% Med), (61% of Yrs Below Fcst, 28 Highest Flow / 70 Tot Yrs)
ESP 50% Fcst (2024-04-09): 120 kaf (113% Avg, 130% Med), (61% of Yrs Below Fcst, 28 Highest Flow / 70 Tot Yrs)
Observed Volume: 2.5 kaf (2% Average, 3% Median)

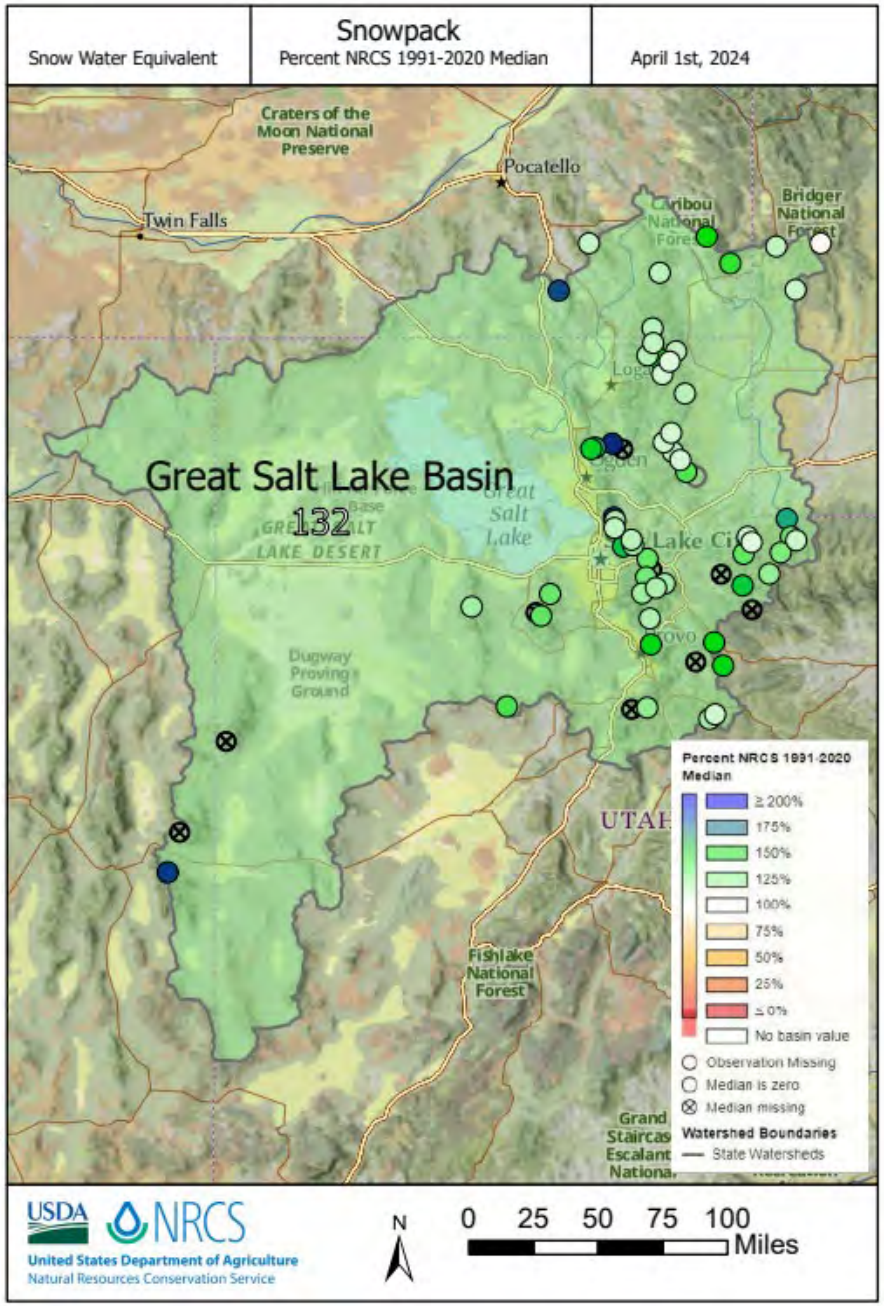


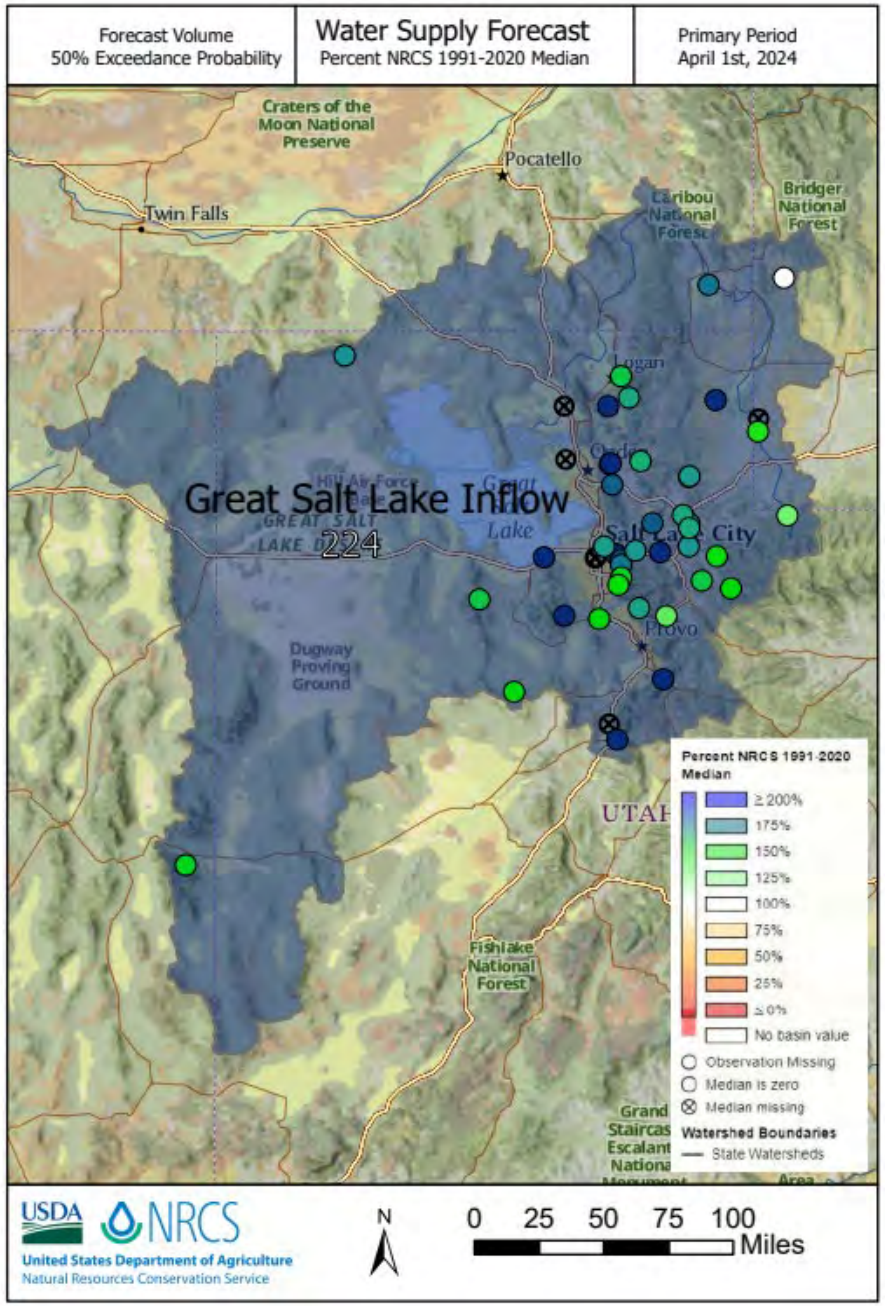
NOAA / Colorado Basin River Forecast Center / 2024-04-10 15:57Z


Utah Lake Reservoir Storage (Apr-09-2024)
Deer Creek Reservoir
97%(-0.1%)
68%
86%
149,700 ac-ft
Jordanelle Reservoir
81%(-0.5%)
59%
71%
314,000 ac-ft
Utah Lake
99%(-2.77%)
61%
88%
870,900 ac-ft
Basin Total
94%(-1.94%)
61%
84%
1,334,600 ac-ft
Current (Apr-09-2024)
Last Year (Apr 1)
Median (Apr 1)
Total Capacity
Value between () represent change from previous month
0
500,000
1,000,000
1,500,000
2,000,000
Acre-Feet


Data Current as of:
04/08/2024
Bear, Weber, and Provo River Basins
Newton
4939/5374
92% Full
Hyrum
10366/14734
70% Full
Willard Bay
192703/222273
87% Full
Jordanelle
253847/311000
82% Full
Deer Creek
144723/150161
96% Full
Pineview
76363/110149
69% Full
Causey
3649/7070
52% Full
Lost Creek
19155/22501
85% Full
Echo
59059/73940
80% Full
East Canyon
35796/49510
72% Full
Rockport
48213/60860
79% Full
Bear River
Weber River
Provo River
ID
WY
UT


Statewide Reservoir Storage (Apr-09-2024)
All Excluding Lake Powell, Flaming Gorge, Bear Lake, Utah Lake, Strawberry, & Jordanelle
81%(0.8%)
55%
68%
1,808,489 ac-ft
All Excluding Lake Powell, Flaming Gorge, Bear Lake, & Utah Lake
85%(0.76%)
62%
71%
3,228,389 ac-ft
All Excluding Lake Powell & Flaming Gorge
84%(3.24%)
55%
66%
5,521,289 ac-ft
Current (Apr-09-2024)
Last Year (Apr 1)
Median (Apr 1)
Total Capacity
Value between () represent change from previous month
0
2,500,000
5,000,000
7,500,000
Flaming Gorge Reservoir
84%(1.21%)
66%
84%
3,749,000 ac-ft
Lake Powell
32%(-1.05%)
22%
53%
24,322,000 ac-ft
All Reservoirs
46%(-0.11%)
32%
59%
33,592,289 ac-ft
0
10,000,000
20,000,000
30,000,000
40,000,000
Acre-Feet


Snow Water Equivalent
Snowpack
Percent NRCS 1991-2020 Median
April 1st, 2024
Craters of the Moon National Preserve
Pocatello
Twin Falls
Caribou National Forest
Bridger National Forest
Great Salt Lake Basin
132
Great Salt Lake
Dugway Proving Ground
Fishlake National Forest
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service
N
0 25 50 75 100
Miles


Forecast Volume
50% Exceedance Probability
Water Supply Forecast
Percent NRCS 1991-2020 Median
Primary Period
April 1st, 2024
Craters of the Moon National Preserve
Pocatello
Twin Falls
Caribou National Forest
Bridger National Forest
Great Salt Lake Inflow
224
Great Salt Lake
Salt Lake City
Provo
Dugway Proving Ground
Fishlake National Forest
Percent NRCS 1991-2020 Median
≥ 200%
175%
150%
125%
100%
75%
50%
25%
≤ 0%
No basin value
Observation Missing
Median is zero
Median missing
Watershed Boundaries
State Watersheds
USDA NRCS
United States Department of Agriculture
Natural Resources Conservation Service
N
0 25 50 75 100
Miles

Water Supply	2022 Water Supply		2023 Water Supply		2024 Water Supply
	Planned Utilization (AF)	Actual Utilization (AF)	Planned Utilization (AF)	Actual Utilization (AF)	Planned Utilization (AF)
Central Utah Project (Jordanelle Storage)	46,700	38,475	46,700	21,881	45,700
PRWUA (Deer Creek Storage) + PRWUC & other un-stored rights + local streams	28,000	35,918	28,100	69,341	35,600
Salt Lake County high quality groundwater	15,000	15,908	15,000	5,596	8,000
CWP, SWJVGW, MWDSLS	18,700	17,661	18,680	16,156	18,700
Total	108,400	107,962	108,480	104,809	108,000

Recommended Water Availability Level

Water Supply Availability Level	Water Availability Description	Water Demand Reduction Target	Triggering Criteria Applied to Water Supply Availability Levels			Vote of Committee Members
			CUWCD Supply Availability (Jordanelle CUP storage)	PRWUA Supply Allocation (Provo River Project)	Salt Lake Valley Groundwater Conditions	
Level 0	Normal/ Weather Neutral	None	At least 95% supply availability	At least 80% supply allocation	3-year average of GW pumped is less than safe yield	16
Level 1	Moderate	5-10%	At least 95% supply availability	75-80% supply allocation	GW pumped exceeds 12,000 AF or 3-year average exceeds safe yield	-
Level 2	Severe	10-20%	At least 90-95% supply availability	75-80% supply allocation	GW pumped exceeds 16,000 AF or 3-year average exceeds safe yield	-
Level 3	Extreme	20-30%	At least 90-95% supply availability	Less than 75% supply allocation	GW pumped exceeds 20,000 AF or 3-year average exceeds safe yield	-
Level 4	Critical/ Exceptional	30-50%	Less than 90% supply availability	Less than 45% supply allocation	GW pumped exceeds 20,000 AF or 3-year average exceeds safe yield	-

Drought Monitoring:

Rules and Regulations for Wholesale Water Services

WHOLESALE RATE SURCHARGES APPLICABLE DURING ESTABLISHED WATER SUPPLY RESTRICTIONS

Drought Contingency Plan (DCP) Water Supply Restriction Level	Water Restriction based on contract volume	Rate surcharge for water deliveries exceeding restriction level
0 – Normal	n/a	n/a (a)
1 – Moderate	Maximum Contract Volume (b)	Block 2 Rate x 1.10
2 – Severe	Intermediate Contract Volume (c)	Block 1 Rate x 1.25 (d)
3 – Extreme	Minimum Contract Volume	Block 1 Rate x 1.50 (d)
4 – Exceptional/Critical	Less than Minimum Contract Volume < 100% (e)	Block 1 Rate x 2.00 (d)

Notes: a) Block 2 rates are charged for all water delivered which exceeds 120% Minimum Contract Volume regardless of DCP Water Supply Restriction Level.
b) Maximum Contract Volume is 20% more than the Minimum Contract Volume defined in the Wholesale Water Purchase Agreement.
c) Intermediate Contract Volume is 10% more than the Minimum Contract Volume defined in the Wholesale Water Purchase Agreement.
d) Water deliveries in excess of Maximum Contract Volume will also be charged at Block 2 Rate x 1.10.
e) During Level 4 – Exceptional/Critical conditions, the District will establish a water restriction level based upon the then current conditions.

Drought Monitoring:

Rules and Regulations for Wholesale Water Services

Drought Contingency Plan Water Supply Restriction Level	% Contract available for deferred delivery (a)	Number of subsequent years deferred water will be available (b)
0 – Normal	5%	1
1 – Moderate	7.5%	2
2 – Severe	10.0%	2
3 – Extreme	12.5%	3
4 – Exceptional/Critical	(c)	(c)

Notes: a) Subject to supply and system capacity availability.

b) Delivery of deferred water is subject to the conditions in Section 1.8.1. A calendar year during which JVWCD establishes a Water Supply Restriction Level 1,2,3, or 4 will not count against the year limit that deferred water will be available.

c) To be determined by Board.

Drought Response:

Drought Response Planning Tool

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Brown AND Caldwell

Jordan Valley Water Conservancy District Drought Response Actions Planning Tool

Importance of Drought Response Actions:
Drought contingency planning helps communities and regions become more resilient and pursue a proactive approach to drought management. This planning tool is provided to help guide drought response actions to meet reduction levels and ensure reliability at various drought stages.

The accuracy of the output depends on the data quality available and confidence in agency assumptions. This planning tool should be used as a guide. Decisions to implement specific drought response actions should also consider other factors such as funding sources, cost of implementation, monitoring, and enforcement.

Data Required to Use Response Actions Tool:
Some Member Agency data has been prepopulated in this sheet based on data previously submitted to Jordan Valley. The Tool requires the following inputs:

1. Average yearly delivery from JVWCD (prepopulated)
2. Wholesale contract amount acre-foot (AF) (prepopulated)
3. Annual water use amount by customer sector (Residential, Commercial, Industrial, Institutional, Non Revenue Water, Metered Secondary, Estimated Secondary)
   Note: Metered Secondary and Estimated Secondary reductions will not count toward targeted Jordan Valley reduction goals
   (prepopulated)
4. Drought Response Actions that Member Agencies intend to implement (Suggested list available in "Example Response Actions" tab)
5. Assumptions on percent water demand reductions as a result of implementing Drought Response Actions

How to Use Response Actions Tool:
Member Agencies will populate the Response Actions Tool with actions to be taken at each drought stage. The light yellow cells shown in the next two tabs require user input while the white cells automatically fill with calculations.

JV Response Actions Tool - 1: Member Agencies received a copy of this tool that has been prepopulated with water use data submitted to Jordan Valley. Agencies are asked to validate the accuracy of this data, updating if more representative data is available.

JV Response Actions Tool - 2: Member Agencies should begin by selecting response actions that the agency will adopt in each drought stage.

For each response action chosen to reduce demand (column F), agencies will fill in the following information:
- which stage the response action will be triggered in (column E),
- whether the response action will remain active in multiple drought stages (columns A-D),
- any additional explanation for the response action (column G), and
- the assumed annual reduction the Member Agency would expect to see from each water use sector from implementing the Response Action (columns L-R).

Questions/Comments

JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Water Quality Update

JVWCD Annual Member Agency Meeting

April 16, 2024

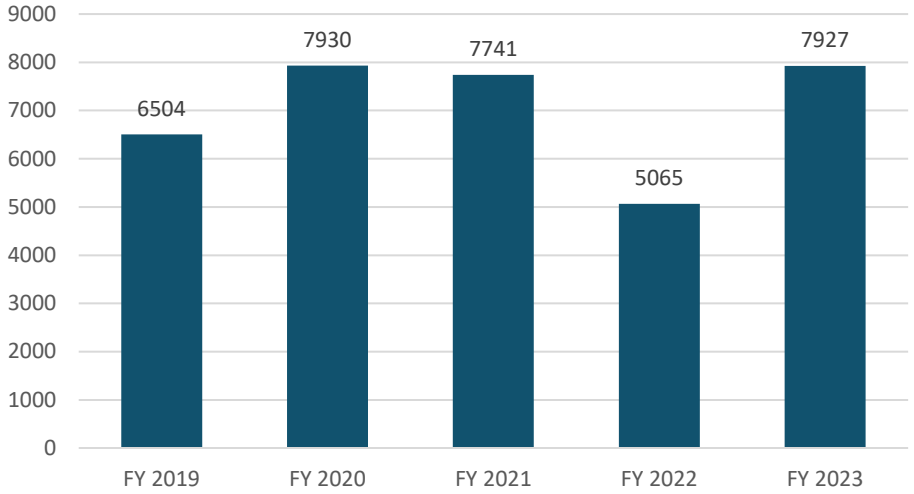
JVWCD Approach to Water Quality

Source Water Protection

Water Treatment Optimization

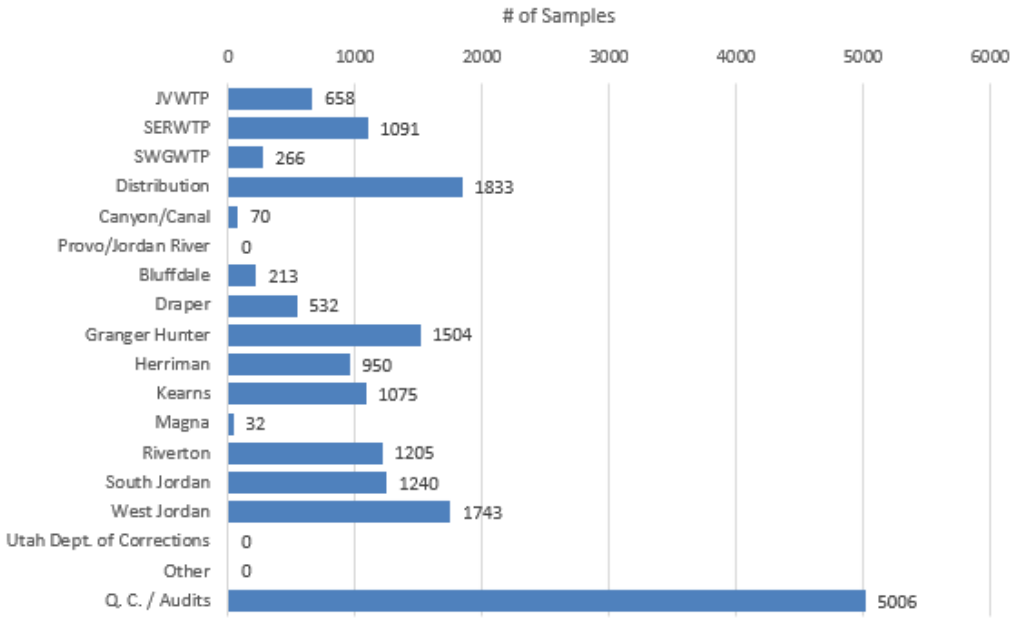
High Quality Deliveries

Water Quality Sampling & Analysis



Total JVWCD Samples Collected

Total Analyses by Agency



JV Laboratory Services

Available Analyses

- **Total Coliform and E.coli** (Presence/Absence and Quantitative)
- **Heterotrophic Plate Count**
- **Water Quality Parameters** (Chlorine Residual, pH, Turbidity, and Conductivity
- **Alkalinity**
- **Hardness** (Total and Calcium
- **Disinfection By-Products** (Trihalomethanes & Haloacetic Acids
- **Anions** (Fluoride, Nitrate, Nitrite, Chloride, Bromide, Phosphate, and Sulphate)
- **Organic Carbon** (Total and Dissolved)
- **Common Metals** (Arsenic, Barium, Cadmium, Copper, Iron, Lead, Manganese, Mercury, Selenium, Silica, Uranium, Zinc, etc.)

Laboratory Services

Calculating Pricing

Using the most recent three years of data, we calculate how much of the total water delivered by each member agency is purchased from JVWCD.

The remaining percentage is multiplied by the base price for each type of analysis to get the adjusted price.

Member Agency 1

Purchases 100% of the total water they deliver from JVWCD they pay no additional cost for analyses.

Member Agency 2

Purchases 40% of the total water they deliver from JVWCD, they pay 60% of the base price for analyses.

Laboratory Services

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Member Agency Assistance Water Quality Analysis Charges
Effective July 1, 2024

				(1) Presence/Absence Bacteriological		(2) Quantitative Bacteriological		(3) Heterotrophic Plate Count (HPC)		(4) Trihalomethanes (THMs)		(5) Haloacetic Acids (HAAs)		(6) *Anions (up to 7 ions)		(7) One Anion Only (Fluoride or Nitrate)	
Current Year Base Price →				$30.00		$36.75		$50.00		$158.50		$246.50		$94.00		$29.50	
Member Agency	% District Water (2020-22 average)	% District Water (2021-23 average)	Currently Using Lab Services	Previous Year Adjusted	Current Year Adjusted	Previous Year Adjusted	Current Year Adjusted	Previous Year Adjusted	Current Year Adjusted	Previous Year Adjusted	Current Year Adjusted	Previous Year Adjusted	Current Year Adjusted	Previous Year Adjusted	Current Year Adjusted	Previous Year Adjusted	Current Year Adjusted
Bluffdale	100%	100%	Y	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
City of South Jordan	100%	100%	Y	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
City of South Salt Lake	35%	37%	N	$16.41	$18.90	$22.75	$23.15	$31.36	$31.50	$103.03	$99.86	$145.60	$155.30	$59.80	$59.22	$18.69	$18.50
City of West Jordan	95%	94%	Y	$1.26	$1.80	$1.75	$2.21	$2.41	$3.00	$7.93	$9.51	$11.20	$14.79	$4.60	$5.64	$1.44	$1.77
Draper City	100%	100%	Y	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Granger Hunter Improvement District	81%	85%	Y	$4.80	$4.50	$6.65	$5.51	$9.17	$7.50	$30.12	$23.78	$42.56	$36.98	$17.48	$14.10	$5.46	$4.43
Herriman City	60%	60%	Y	$10.10	$12.00	$14.00	$14.70	$19.30	$20.00	$63.40	$63.40	$89.60	$98.60	$36.80	$37.60	$11.50	$11.80
Hexcel Corporation	99%	100%	N	$0.25	$0.00	$0.35	$0.00	$0.48	$0.00	$1.59	$0.00	$2.24	$0.00	$0.92	$0.00	$0.29	$0.00
Kearns Improvement District	95%	95%	Y	$1.26	$1.50	$1.75	$1.84	$2.41	$2.50	$7.93	$7.93	$11.20	$12.33	$4.60	$4.70	$1.44	$1.48
Magna Water District	14%	15%	Y	$21.72	$25.50	$30.10	$31.24	$41.50	$42.50	$136.31	$134.73	$192.64	$209.53	$79.12	$79.90	$24.73	$25.08
Midvale City	51%	52%	N	$12.37	$14.40	$17.15	$17.64	$23.64	$24.00	$77.67	$76.08	$109.76	$118.32	$45.08	$45.12	$14.09	$14.16
Riverton City	100%	100%	Y	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Taylorsville Bennion Improvement District	36%	39%	N	$16.16	$18.30	$22.40	$22.42	$30.88	$30.50	$101.44	$96.69	$143.36	$150.37	$58.88	$57.34	$18.40	$18.00
Utah Department of Corrections	0%	0%	Y	$25.25	$30.00	$35.00	$36.75	$48.25	$50.00	$158.50	$158.50	$224.00	$246.50	$92.00	$94.00	$28.75	$29.50
Water Pro	18%	18%	N	$20.71	$24.60	$28.70	$30.14	$39.57	$41.00	$129.97	$129.97	$183.68	$202.13	$75.44	$77.08	$23.58	$24.19
White City Water Improvement District	0%	0%	N	$25.25	$30.00	$35.00	$36.75	$48.25	$50.00	$158.50	$158.50	$224.00	$246.50	$92.00	$94.00	$28.75	$29.50

* Anions (7 ions) include Fluoride, Nitrate, Nitrite, Chloride, Bromide, Phosphate, and Sulfate.
1 - Metal analytes available for testing: Lead and Copper.
2 - Metals extraction: sample preparation required by method if sample's turbidity is greater than 1 NTU. Charge not assessed if extraction is not required (sample turbidity less than 1 NTU).
1 & 2 - Metals testing is under development and not all analytes currently available. Please contact the laboratory for updates at 801-448-2000.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Member Agency Assistance Water Quality Analysis Charges
Effective July 1, 2024

				(1) Presence/Absence Bacteriological		(2) Quantitative Bacteriological		(3) Heterotrophic Plate Count (HPC)		(4) Trihalomethanes (THMs)		(5) Haloacetic Acids (HAAs)		(6) *Anions (up to 7 ions)		(7) One Anion Only (Fluoride or Nitrate)		(8) Total Organic Carbon (TOC)		(9) Metals[1] (per Metal-includes lead & copper)		(9b) Metals Digestion[2] (per Sample)		(10) pH, Cond., Turbidity, Cl2 Residual		(11) Alkalinity		(12) Total or Calcium Hardness	
Current Year Base Price →				$30.00		$36.75		$50.00		$158.50		$246.50		$94.00		$29.50		$39.75		$24.75		$17.25		$17.25		$34.50		$36.25	
Member Agency	**% District Water (2020-22 average)**	**% District Water (2021-23 average)**	**Currently Using Lab Services**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**	**Previous Year Adjusted**	**Current Year Adjusted**
Bluffdale	100%	100%	Y	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A	$0.00	N/A	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
City of South Jordan	100%	100%	Y	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A	$0.00	N/A	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
City of South Salt Lake	35%	37%	N	$16.41	$18.90	$22.75	$23.15	$31.36	$31.50	$103.03	$99.86	$145.60	$155.30	$59.80	$59.22	$18.69	$18.59	$25.03	$25.04	N/A	$15.59	N/A	$10.87	$11.21	$10.87	$22.43	$21.74	$20.48	$22.84
City of West Jordan	95%	94%	Y	$1.26	$1.80	$1.75	$2.21	$2.41	$3.00	$7.93	$9.51	$11.20	$14.79	$4.60	$5.64	$1.44	$1.77	$1.93	$2.39	N/A	$1.49	N/A	$1.04	$0.86	$1.04	$1.73	$2.07	$1.58	$2.18
Draper City	100%	100%	Y	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A	$0.00	N/A	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Granger Hunter Improvement District	81%	85%	Y	$4.80	$4.50	$6.65	$5.51	$9.17	$7.50	$30.12	$23.78	$42.56	$36.98	$17.48	$14.10	$5.46	$4.43	$7.32	$5.96	N/A	$3.71	N/A	$2.59	$3.28	$2.59	$6.56	$5.18	$5.99	$5.44
Herriman City	60%	60%	Y	$10.10	$12.00	$14.00	$14.70	$19.30	$20.00	$63.40	$63.40	$89.60	$98.60	$36.80	$37.60	$11.50	$11.80	$15.40	$15.90	N/A	$9.90	N/A	$6.90	$6.90	$6.90	$13.80	$13.80	$12.60	$14.50
Hexcel Corporation	99%	100%	N	$0.25	$0.00	$0.35	$0.00	$0.48	$0.00	$1.59	$0.00	$2.24	$0.00	$0.92	$0.00	$0.29	$0.00	$0.39	$0.00	N/A	$0.00	N/A	$0.00	$0.17	$0.00	$0.35	$0.00	$0.32	$0.00
Kearns Improvement District	95%	95%	Y	$1.26	$1.50	$1.75	$1.84	$2.41	$2.50	$7.93	$7.93	$11.20	$12.33	$4.60	$4.70	$1.44	$1.48	$1.93	$1.99	N/A	$1.24	N/A	$0.86	$0.86	$0.86	$1.73	$1.73	$1.58	$1.81
Magna Water District	14%	15%	Y	$21.72	$25.50	$30.10	$31.24	$41.50	$42.50	$136.31	$134.73	$192.64	$209.53	$79.12	$79.90	$24.73	$25.08	$33.11	$33.79	N/A	$21.04	N/A	$14.66	$14.84	$14.66	$29.67	$29.33	$27.09	$30.81
Midvale City	51%	52%	N	$12.37	$14.40	$17.15	$17.64	$23.64	$24.00	$77.67	$76.08	$109.76	$118.32	$45.08	$45.12	$14.09	$14.16	$18.87	$19.08	N/A	$11.88	N/A	$8.28	$8.45	$8.28	$16.91	$16.56	$15.44	$17.40
Riverton City	100%	100%	Y	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	N/A	$0.00	N/A	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
Taylorsville Bennion Improvement District	36%	39%	N	$16.16	$18.30	$22.40	$22.42	$30.88	$30.50	$101.44	$96.69	$143.36	$150.37	$58.88	$57.34	$18.40	$18.00	$24.64	$24.25	N/A	$15.10	N/A	$10.52	$11.04	$10.52	$22.08	$21.05	$20.16	$22.11
Utah Department of Corrections	0%	0%	Y	$25.25	$30.00	$35.00	$36.75	$48.25	$50.00	$158.50	$158.50	$224.00	$246.50	$92.00	$94.00	$28.75	$29.50	$38.50	$39.75	N/A	$24.75	N/A	$17.25	$17.25	$17.25	$34.50	$34.50	$31.50	$36.25
Water Pro	18%	18%	N	$20.71	$24.60	$28.70	$30.14	$39.57	$41.00	$129.97	$129.97	$183.68	$202.13	$75.44	$77.08	$23.58	$24.19	$31.57	$32.60	N/A	$20.30	N/A	$14.15	$14.15	$14.15	$28.29	$28.29	$25.83	$29.73
White City Water Improvement District	0%	0%	N	$25.25	$30.00	$35.00	$36.75	$48.25	$50.00	$158.50	$158.50	$224.00	$246.50	$92.00	$94.00	$28.75	$29.50	$38.50	$39.75	N/A	$24.75	N/A	$17.25	$17.25	$17.25	$34.50	$34.50	$31.50	$36.25

* Anions (7 ions) include Fluoride, Nitrate, Nitrite, Chloride, Bromide, Phosphate, and Sulfate.
1 - Metal analytes available for testing: Lead and Copper.
2 - Metals extraction: sample preparation required by method if sample's Turbidity is greater than 1 NTU. Charge not assessed if extraction is not required (sample turbidy less than 1 NTU).
1 & 2 - Metals testing is under development and not all analytes currently available. Please contact the laboratory for updates at 801-446-2000.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Annual Member Agency Meeting
April 16, 2024

JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Water Conservation:
Update, Progress, and Direction

Annual Member
Agency Meeting

April 16, 2024

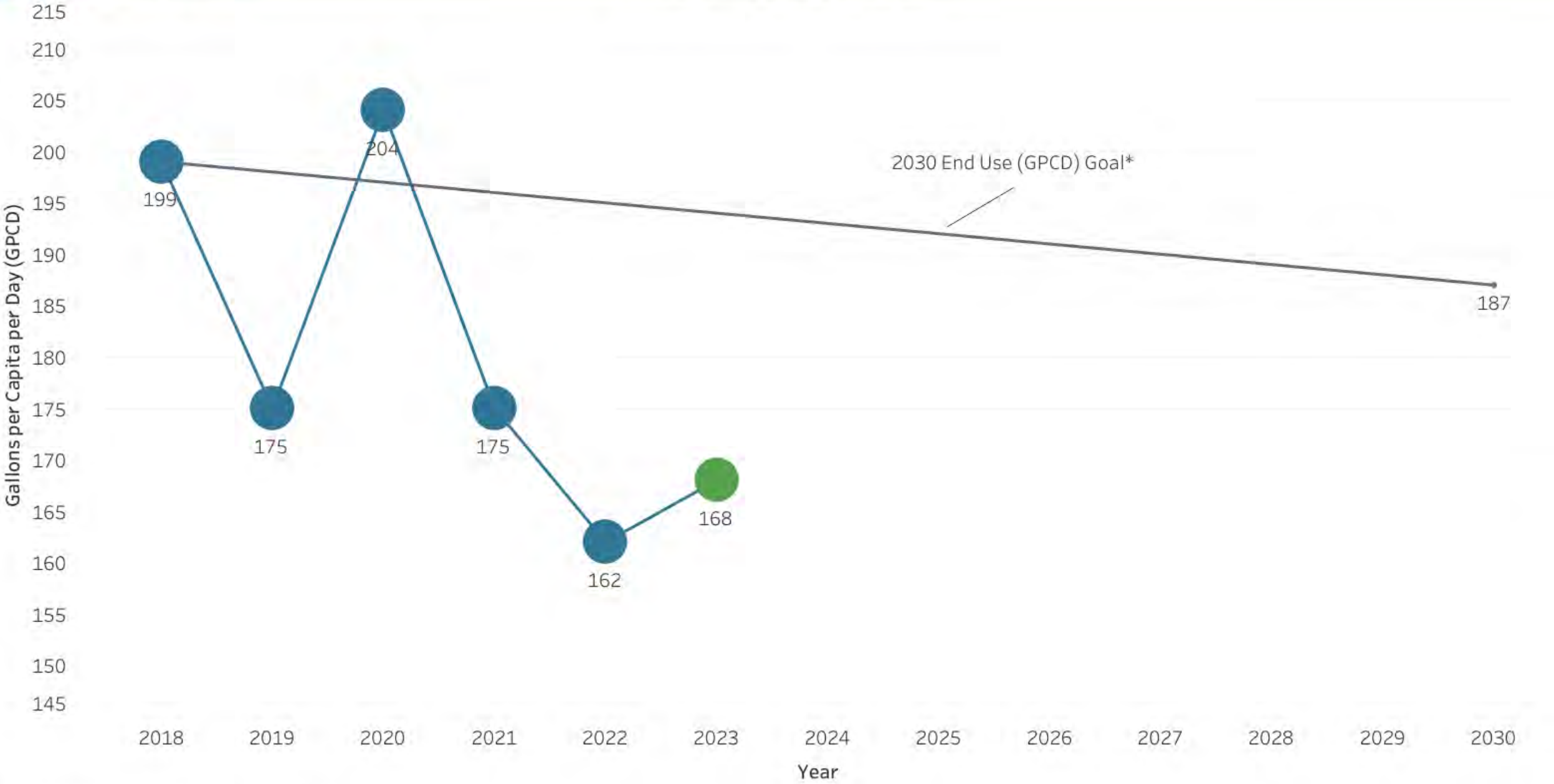
Jacob Young
Deputy General Manager
Community Engagement and Technology

2023 Water Use Results

Review of water use and weather from 2023

JORDAN VALLEY WATER CONSERVANCY DISTRICT

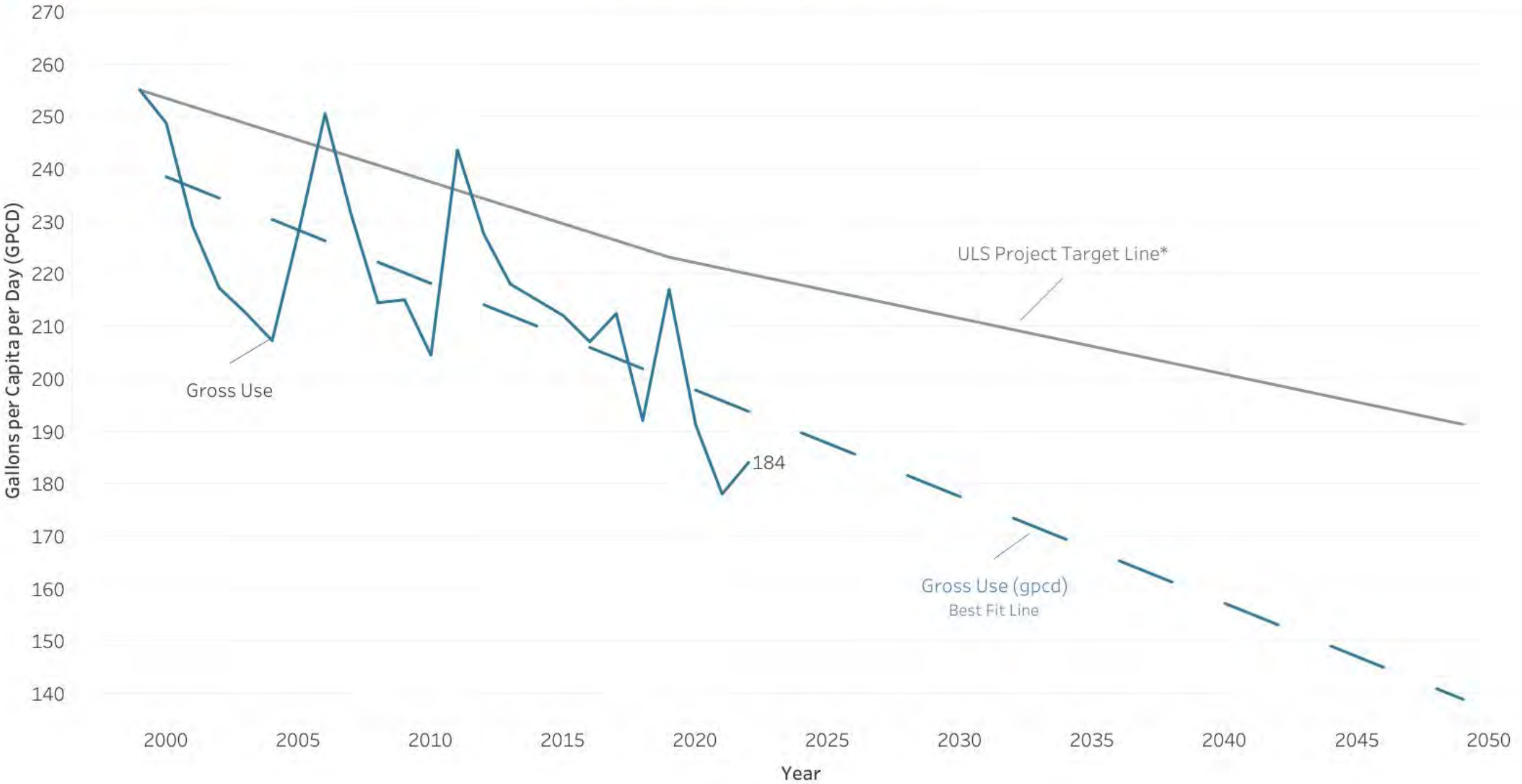
Annual End Usage per Capita



*2030 End Use (GPCD) Goal is 187 GPCD by 2030

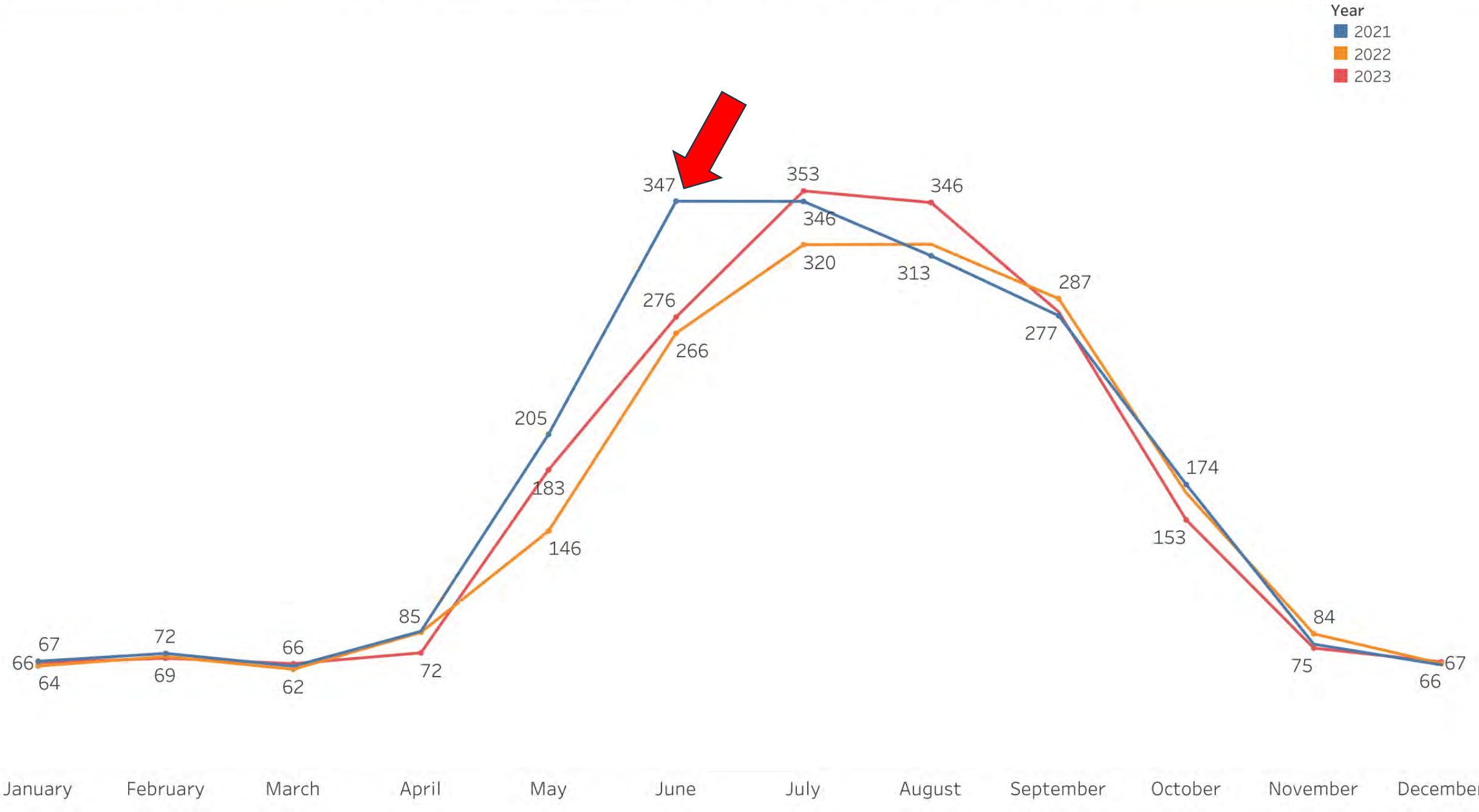
JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Annual Gross Usage per Capita



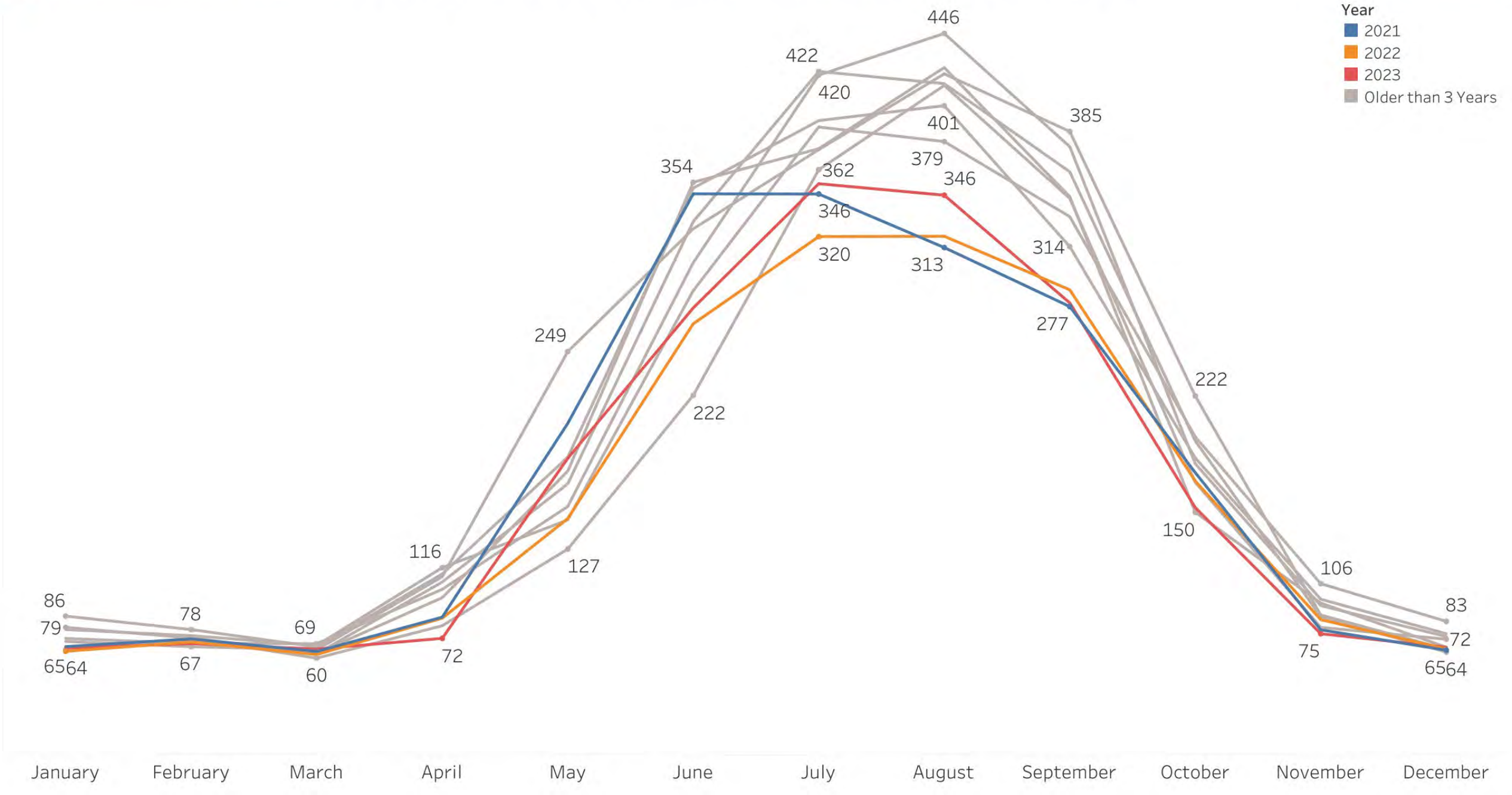
JORDAN VALLEY WATER
CONSERVANCY DISTRICT

3-Year Comparison of Combined End Usage per Capita By Month (GPCD)



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

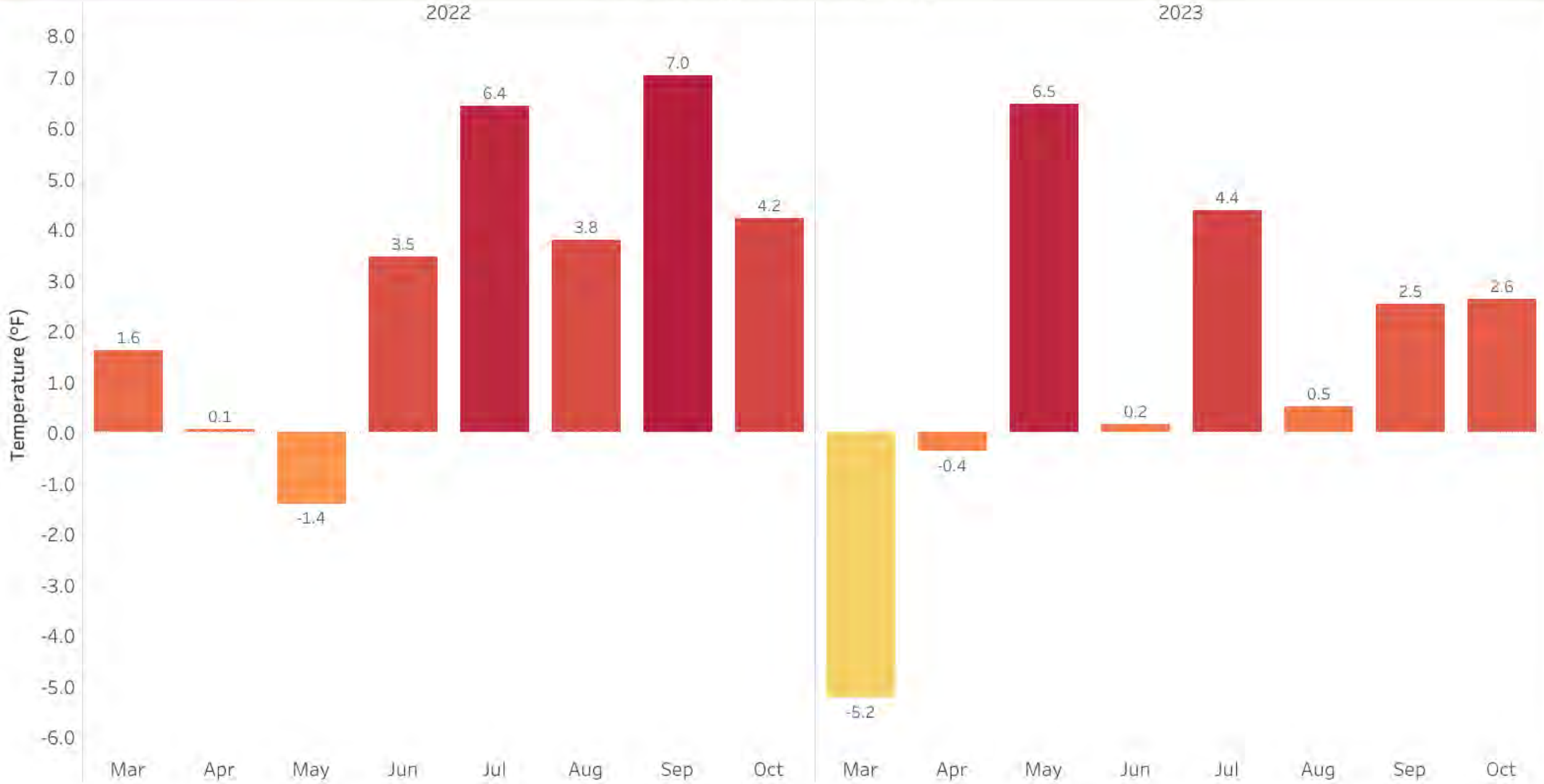
10-Year Comparison of Combined End Usage per Capita By Month (GPCD)



JORDAN VALLEY WATER CONSERVANCY DISTRICT

Average Irrigation Season Temperature Departure from Normal by Month

Salt Lake City International Airport



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Irrigation Season Precipitation Departure from Normal by Month

Salt Lake City International Airport

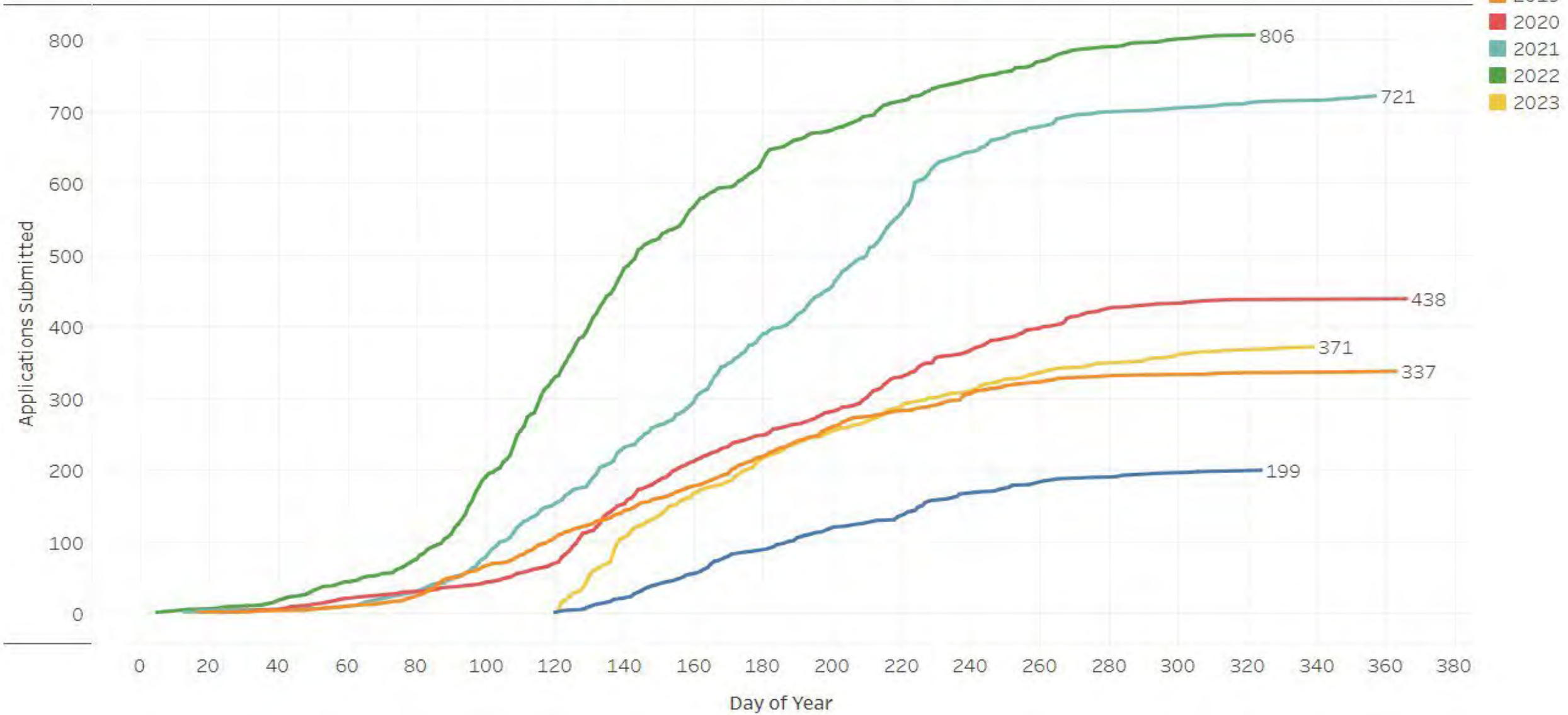
2023 Program Participation

Review of Multiple Program Participation

Jordan Valley Water Conservancy District

Landscape Program Applications Submitted by Day of Year

Jordan Valley Water Conservancy District Region(s)



Summary

2023 completed projects on Utah Water Savers

Program	Participants	Square Footage	JVWCD Rebate Total
Localscapes Rewards	73	381,167	$157,932
Flip Your Strip	74	40,810	$50,713
Landscape Incentives	129	290,261	$201,180
Smart Controllers	621	N/A	$46,196
Toilets	118	N/A	$11,773
	1,013	**712,238**	**$467,794**

Estimated Annual Water Savings

16 Million Gallons

Summary

2023 completed projects for Localscapes Homebuilder Rewards

Participants	Completed Localscapes	Estimated Square Footage	Estimated Rebate Total
Ivory Homes	53	261,993	$150,308
Garbett Homes	36	107,465	$50,096
Alpine Homes	7	9,164	$6,433
	96	**378,622**	**$206,837**

Estimated Annual Water Savings

8.65 Million Gallons

Summary

2023 completed projects for Commercial, Industrial, and Institutional Programs

Program	Participants	Square Footage	Rebate Total
Landscape Leadership Grant	19	233,988	$302,237
Strategic Water Management	1	N/A	$3,142
	20	**233,988**	**$305,379**

Estimated Annual Water Savings

5.3 Million Gallons

Summary

Member Agency Grant Program Participants

FY 2022/2023

- Draper
  - Measure 1: Localscapes for Parks and Recreation Conservation Garden
- Granger-Hunter Improvement District
  - Measure 1: Water system leak detection project
  - Measure 2: Conservation calendars
  - Measure 3: Conservation welcome packets
  - Measure 4: Conservation promotional materials
- Herriman
  - Measure 1: Juniper Canyon Recreation Area Eastern Trailhead Phase 1
  - Measure 2: Herriman Main Street park strips and open space landscaping
  - Water conservation staff position
- Kearns
  - Measure 1: Production of animated conservation films and short video clips
- South Jordan
  - Measure 1: Toilet Rebate Program
  - Measure 2: Indoor Water Fixtures Rebate Program
  - Measure 3: Turf Conversion Rebate Program
  - Water conservation staff position

FY 2023/2024

- Granger-Hunter Improvement District
  - Measure 1: GHID headquarters landscape design, phase 3
  - Measure 2: Conservation calendars & welcome packets
  - Measure 3: Large meter replacement/education project
  - Measure 4: Drought tolerant grass seed
  - Measure 5: Conservation promotional materials
- Herriman
  - WES supplemental grant
  - Water conservation staff position
- Riverton
  - WES supplemental grant
  - Water conservation staff position
- South Jordan
  - Measure 1: Toilet Rebate Program
  - Measure 2: Indoor Water Fixtures Rebate Program
  - Measure 3: Turf Conversion Rebate Program
  - Water conservation staff position
- South Salt Lake
  - Measure 1: Water rate study
  - Measure 2: Leak detection equipment
  - Water conservation staff position

SLCo Municipal Partnership Program

- County funds from American Rescue Plan Act (ARPA)
- $2M available until 2025
- Turf removal for $3.00/ft^2

Municipality	Number of projects	Turf replaced (ft^2)	Funding Assistance
Bluffdale	3	19,520	$58,560
Riverton	1	22,300	$66,900
South Jordan	3	41,143	$123,429
Taylorsville	3	50,194	$150,582
West Jordan	1	36,555	$109,665
West Valley City	1	10,388	$31,164
Total	**12**	**180,100**	**$540,300**

Efficient Water Use Messaging for 2024

Campaigns and Key Themes

Grass Doesn't Belong Everywhere

- Billboards in Utah and Salt Lake Counties
- 6 new videos

Slow the Flow

- 2024 campaign will pattern after 2023
- New “Real Experts” videos
- Utah Water Ways taking over in 2025

JVWCD Focus

We hope to collaborate with each Member Agency to facilitate consistent messaging across the service area

Personalizing the purpose to conserve

- Conservation helps us prepare for the next drought
- Water stewardship
- Save your Saturday – Save water and time by updating your landscape

Keep momentum by acknowledging efforts

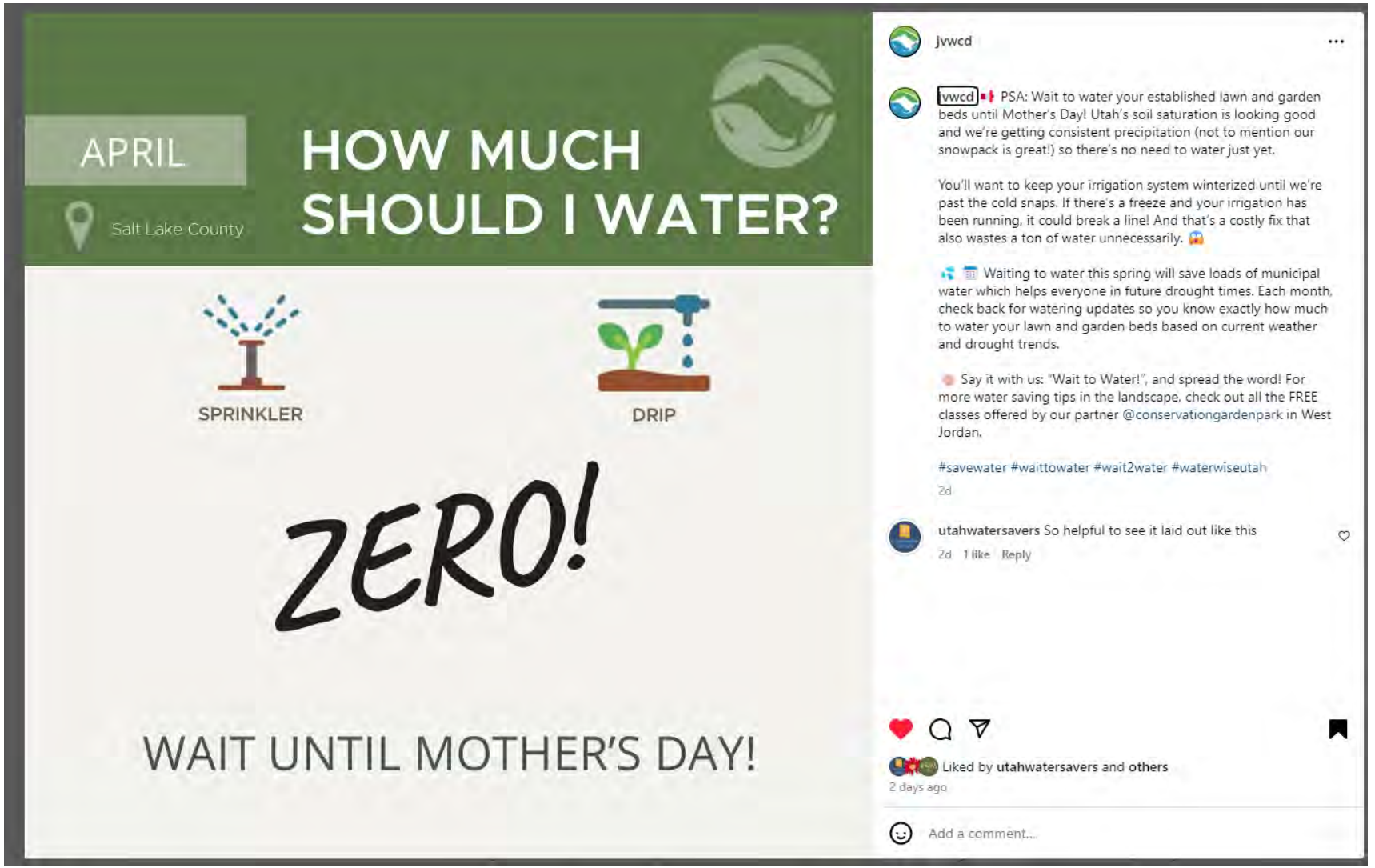
- Celebrate success that have been accomplished by the public
- Educate on how many people have participated in incentive programs

JVWCD Focus

We hope to collaborate with each Member Agency to facilitate consistent messaging across the service area

JVWCD Focus

We hope to collaborate with each Member Agency to facilitate consistent messaging across the service area



Water Efficiency Standards

Status Update

Adoption

Member Agency Adoption of **Water Efficiency Standards**

Thank You!

Member Agencies' collective efforts to incorporate the water efficiency standards into City ordinances has opened the door for millions of dollars of outside funding into the service area and saved a projected $80M in future turf replacement costs.

Water Conservation Programs

Summary of the programs available to Member Agencies and the public

Recent Legislation

2022 – HB 121

2023 – SB 118

$5 million plus an additional $3 million ongoing

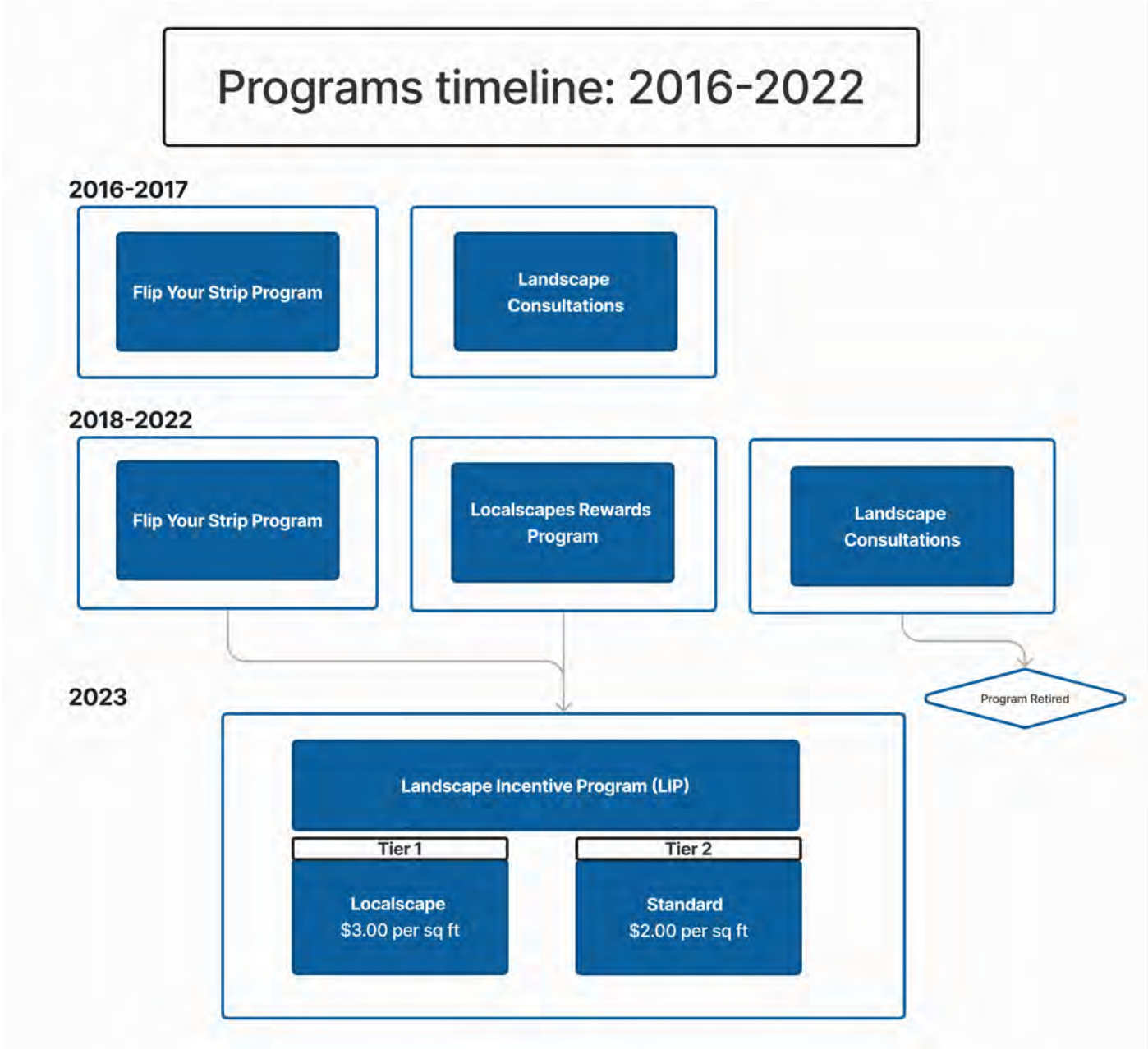
- Provides financial incentives for removing lawn or turf and replacing with water-efficient landscaping
- Division of Water Resources may:
  - Award grants to water conservancy districts for incentive programs
  - Provide incentives directly to landowners in areas without programs
- Eligibility requirements for landowners:
  - Have living lawn or turf
  - Participate voluntarily
  - Property within a municipality or unincorporated area implementing regional-based water use efficiency standards
- Landowners must:
  - Maintain water-efficient landscaping and drip irrigation system
  - Not reinstall lawn, turf, or overhead spray irrigation in the project area
- Division required to establish rules on:
  - Defining water-efficient landscaping
  - Setting maximum incentive amounts
  - Developing regional-based water use efficiency standards

Programs Timeline

2016-2022

Programs Timeline

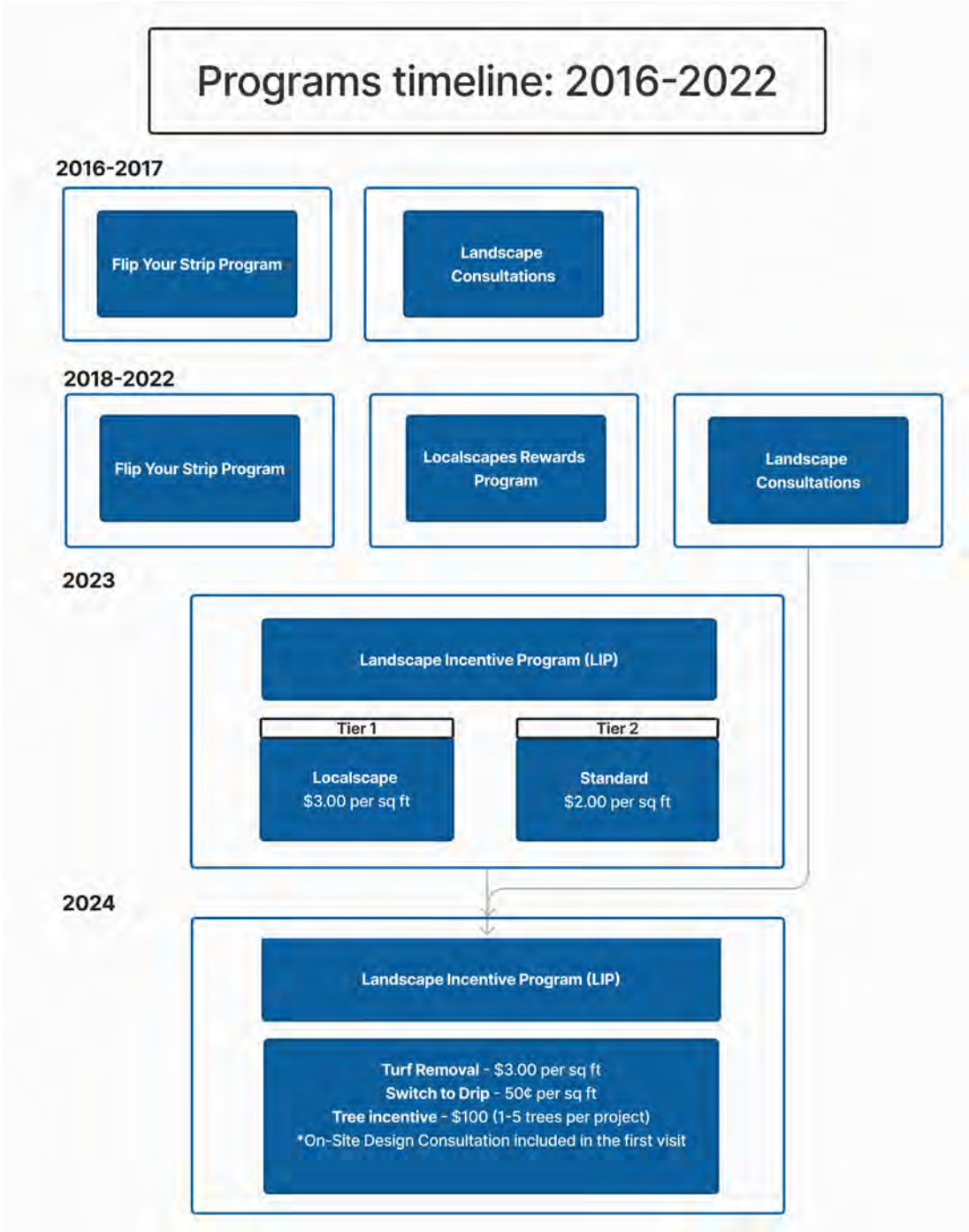
2016-2023



Programs Timeline

2024:

- Unify all programs under a single application for a streamlined and accessible Landscape Incentive Program



2024 Landscape Incentive Program

Add Switch-to-Drip Incentive

- **Eligibility:** Qualifying mature planting beds 200 ft^2 in aggregate minimum
- **Requirements:** Project area must be free of lawn and converted to drip irrigation on a dedicated zone

Funding Source	Landscape Incentive Program
JVWCD	50¢
DWR	TBD

2024 Landscape Incentive Program

Rationale: Switch-to-Drip Incentive

- Accessible retrofit opportunity with immediate water savings
- Motivates homeowners to make bigger changes
- Potential to save as much water as turf removal
- Fraction of the cost and effort

2024 Landscape Incentive Program

Add Tree Incentive

- Add-on to qualifying landscape incentive projects
- $100 per tree, up to five 1" Caliper trees
- Educational material provided on proper tree planting and irrigation

Funding Source	Landscape Incentive Program
JVWCD	$100 - $500 (100%)

2024 Landscape Incentive Program

Rationale: Tree Incentive

- Unintended consequence: tree mortality from turf removal
- Mature trees may struggle with any change to drip irrigation
- Juvenile trees adapt and thrive with deep roots
- Encourage tree planting and proper irrigation
- Enhance public perception and improve landscapes

2024 Landscape Incentive Program

Exclude Artificial Turf from Incentivized Area

Discontinue offering incentives for artificial turf:

- Exclude artificial turf areas from incentive-eligible areas
- Qualifying hardscape and planting bed areas remain eligible

2024 Landscape Incentive Program

Rationale: Exclude Artificial Turf from Incentivized Area

1. Urban Heat Impact
   - Elevated temperatures on artificial turf (80 degrees higher than ambient air temperature)
   - Contributes to urban heat island effect
2. Water Management Challenges
   - Requires watering for cooling
   - Hinders groundwater recharge
3. Chemical and Microplastic Pollution
   - Harmful Chemicals
   - PFAS Contamination of groundwater
   - Volatile Organic Compounds (VOCs)
   - Crumb Rubber Infill Chemicals
   - Microplastic pollution contamination of groundwater and surface water runoff
4. Soil Quality Degradation
   - Soil compaction and microbial disturbance
   - Chemical leaching affecting soil health
5. Recycling and End-of-Life Issues
   - Limited recycling options
   - Continuous environmental impact
6. Lifespan and Longevity
   - Average lifespan of 8-10 years
   - Degradation leads to surface and groundwater pollution

2024 Landscape Incentive Program

Streamline Class Requirement

Streamlined Learning Approach:

- Developing a 5–10-minute video in collaboration with CUWCD
- Covers key Landscape Incentive Program requirements
- Refers participants to resources like Conservation Gardens Park, educational videos, and in-depth classes

Challenges Addressed:

- User confusion about class requirements
- Frustration with multiple new accounts and registrations
- Classes demand 1-2 hours, potentially exceeding expectations
- Some classes cover design and installation information beyond project scopes
- Simplifies the application process and removes barriers to program participation.

2024 Landscape Incentive Program Summary

One Program for all Water-Efficient Landscape Changes

- Streamlined Class Requirement
- Simplified Agreement Process
- Unified Turf Removal Requirements
- Switch-to-Drip
- Tree Incentive
- Design Consultation offered by request

Landscape Incentive Program			
Funding Source	**Turf Removal**	**Switch-2-Drip**	**Tree Incentive**
JVWCD	75¢ (25%)	50¢	$100 (1-5 trees)
CUWCD	75¢ (25%)	----------	----------
DWR	$1.50 (50%)	TBD	----------
Total	**$3.00 ft²**	**50¢ ft²**	**$100-$500**

Member Agency Grant Program

Two Opportunities:

- Funding for Agency Water Conservation Programs
- Funding for Assistance in Adopting Water Efficiency Standards

$50,000 +
$1 per acre-foot of contract

- To assist in funding and implementing water conservation measures, projects, and programs within the Member Agency retail service area.

$50,000 +
$1 per acre-foot of contract

- To assist in funding the potential financial impacts of adopting the Water Efficiency Standards.
- Areas for consideration are staffing, consulting, training, software, equipment, etc. that may be needed as a result.

Strategic WATER MANAGEMENT

Strategic Water Management is a joint effort between JVWCD and eligible commercial, industrial, institutional, and multi-family water users to both save water and meet the unique needs of program participants.

The program offers:

- Water use assessments
- Custom incentives

- Irrigation system upgrades (ex. smart central irrigation controllers, drip conversions, zone adjustments)
- Indoor fixture replacement (ex. toilets, urinals, faucets, showerheads)
- Replacement of water-cooled equipment with new air-cooled equipment (ex. ice machines)
- Enhanced or added water reclamation systems
- Elimination of water intensive industrial processes
- Boiler and steam system upgrades
- Air conditioning condensate capture and reuse
- Cooling tower modifications
- Industrial laundry equipment upgrades
- More efficient reverse osmosis units
- Car wash system and equipment upgrades
- Laboratory and medical equipment upgrades

Conservation Garden Park

(8275 S. 1300 W. West Jordan, UT)

- With more than nine acres of exhibits, pathways and Utah-friendly plants, Conservation Garden Park is Salt Lake County's premier destination for information about water-efficient landscaping. Owned and operated by JVWCD, the Garden is open year-round with free admission to all patrons.
- Classes, tours, educational exhibits, field trips, community events, plant database, and online education.

JORDAN VALLEY WATER

CONSERVANCY DISTRICT

Delivering Quality Every Day®

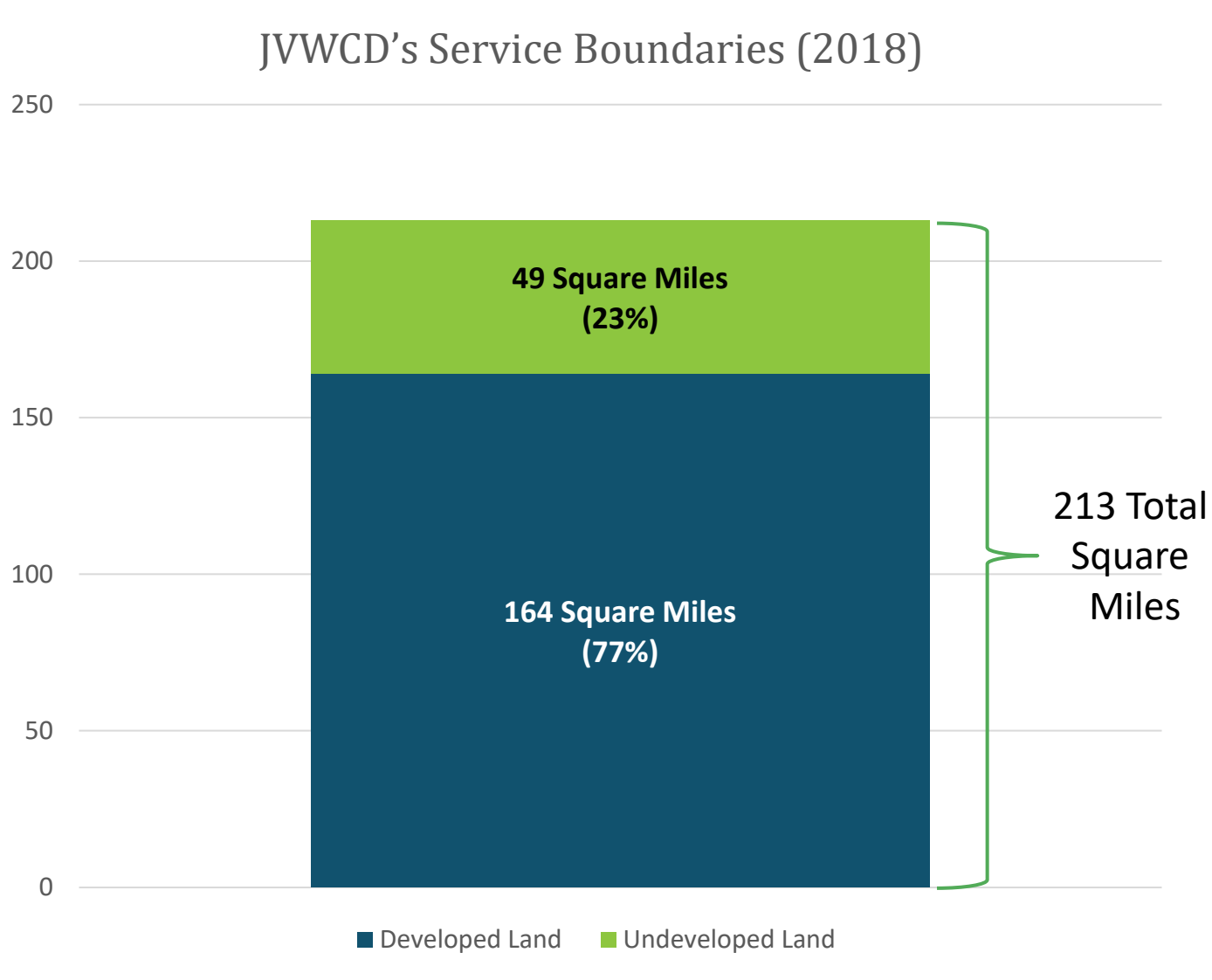
Future Land Development

In 2019, JVWCD staff performed a study to see if JVWCD's current water supply portfolio was sufficient to meet the demands of its existing service boundaries.

The study concluded that there is enough water to meet the needs of JVWCD's existing service area so long as new construction conforms to a series of water efficiency standards.

This water supply has since been categorized as Block 1 water. It excludes the Central Water Project and the future Bear River Development.

A Block 2 water rate was created to reflect the cost of JVWCD's latest water supply, the Central Water Project.



Impact of Water Efficiency Standards

	2019 Budget and Staffing (current)	2030 Budget and Staffing (if water efficiency standards are adopted by 2023)	2030 Budget and Staffing (if no water efficiency standards are adopted)
Total Annual Budget	$1,655,242	$4,090,008	$17,846,925
Full Time Employees	6	9	14
Seasonal Employee	10	12	16
Total Spending (2019-2030)		$34,312,565	$116,487,082

Note: Both 2030 projections use a similar methodology to achieve the 2030 goal. Each conservation program has an estimated level of public participation, staffing time, budgetary cost, and associated water savings for each year through 2030.

JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Key Benefits of Adopting Water Efficiency Standards

- Every land use decision is a water management decision. As land is developed, it creates a perpetual commitment for how water will be used for many decades.
- Reductions in outdoor consumption will result in lower peaking factors, infrastructure costs, and water conservation expenses.
- The cost to retrofit a landscape to be water-efficient is 5 times higher than installing it to be water-efficient from the beginning.
- Water-efficient landscapes are more compatible with Utah's arid climate, are more resilient to droughts, and can more easily adapt to the trending hotter and drier climate conditions in the future.

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Annual Member Agency Meeting
April 16, 2024

JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Water Resource Sustainability and 10-Year Capital Projects Plan

Strategic Focus, Supply and Demand, and Capital Projects Summary

April 16, 2024

Strategic Focus

Water Resource Sustainability

- Adaptability
- Cooperation
- Leadership

7 Water Resource Sustainability

3. Leadership

Play a leadership role among municipal and industrial users by accounting for Great Salt Lake (GSL) in water management decisions and contributing to a healthy lake and community.

Operational Objectives

- Participate in the Great Salt Lake Basin Integrated Plan and implement recommendations in our water management plans.
- Explore feasibility of a net-zero additional depletion on GSL as we accommodate growth.
- Establish a portfolio of sources dedicated to GSL for a fixed period, while meeting future growth and emergency supply needs.

AT OUR CORE
- Foster the community's conscious connection with water
- Forge collaborative planning for a thriving community

What it looks like in action.

District
Invest in alternative water supply strategies and opportunities.

Department/Division
Engage with member agency counterparts to support land use planning.

Individual
Learn about and become an ambassador of water-efficient practices in your community.

JVWCD | Strategic Plan 45

1. Adaptability

Develop a prioritized portfolio of water supply alternatives that will accommodate future demands while accounting for climate change, population growth and other uncertainties.

Operational Objectives

- Define and invest appropriately in supply alternatives that can be implemented for a range of future conditions.
- Develop a water source acquisition strategy for new sources such as saved water from agricultural water optimization.
- Incorporate level of service targets that address climate change and variability.

AT OUR CORE
- Forge collaborative planning for a thriving community
- Enhance our resilience to current threats

2. Cooperation

Collaborate with communities to determine land uses that can be supported by available water supplies and implement demand management practices that drive efficient water use.

Operational Objectives

- Develop a water budget for land development, and monitor consumptive usage for holistic sustainability.
- Influence and support partner watershed councils' efforts to establish pollutant prevention ordinances and permitting.
- Monitor sustained adoption of water efficiency standards at the city level, and regularly evaluate continued relevance.

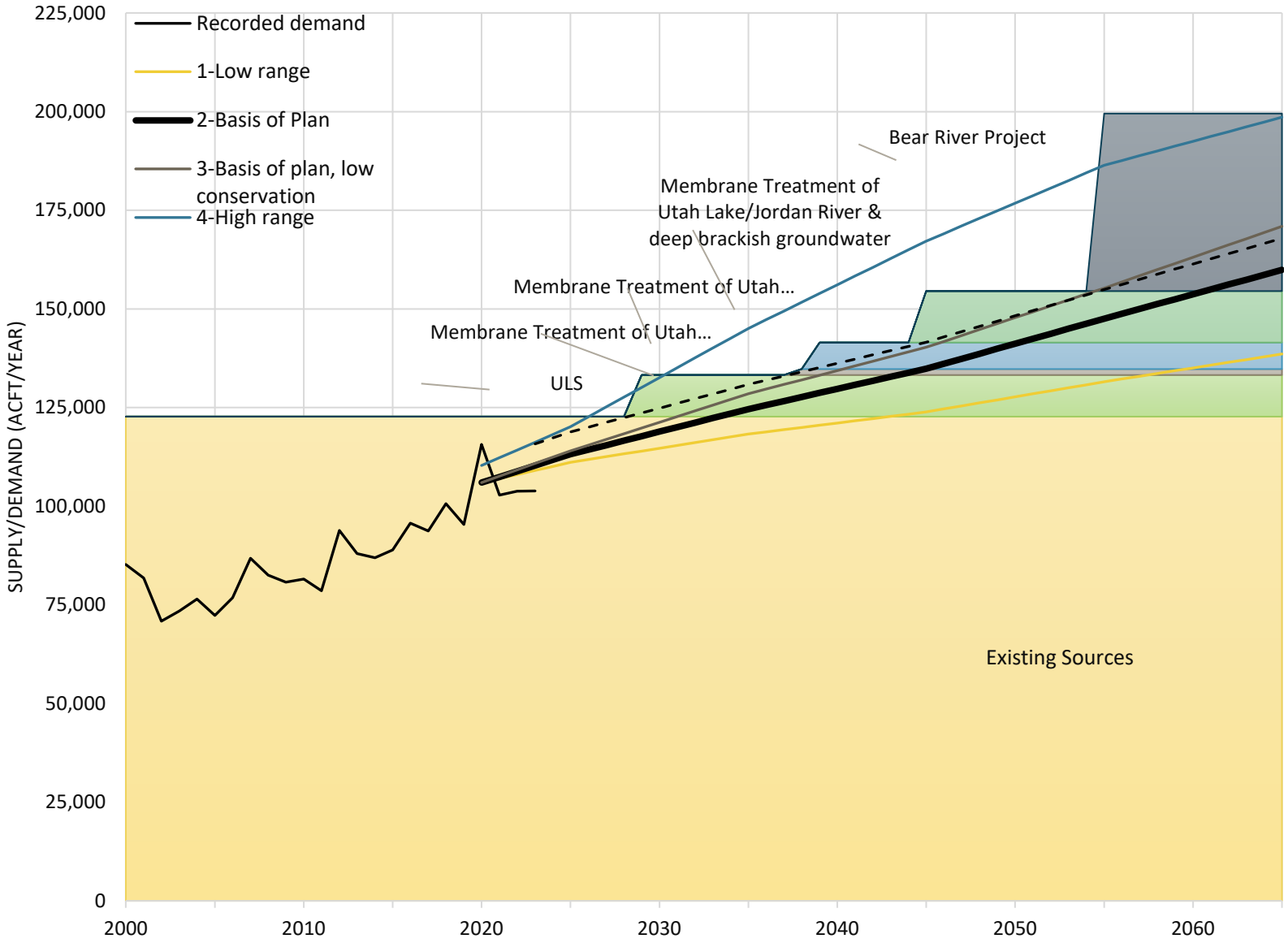
AT OUR CORE
- Forge collaborative planning for a thriving community
- Enhance our resilience to current threats

44

Annual Supply and Demand

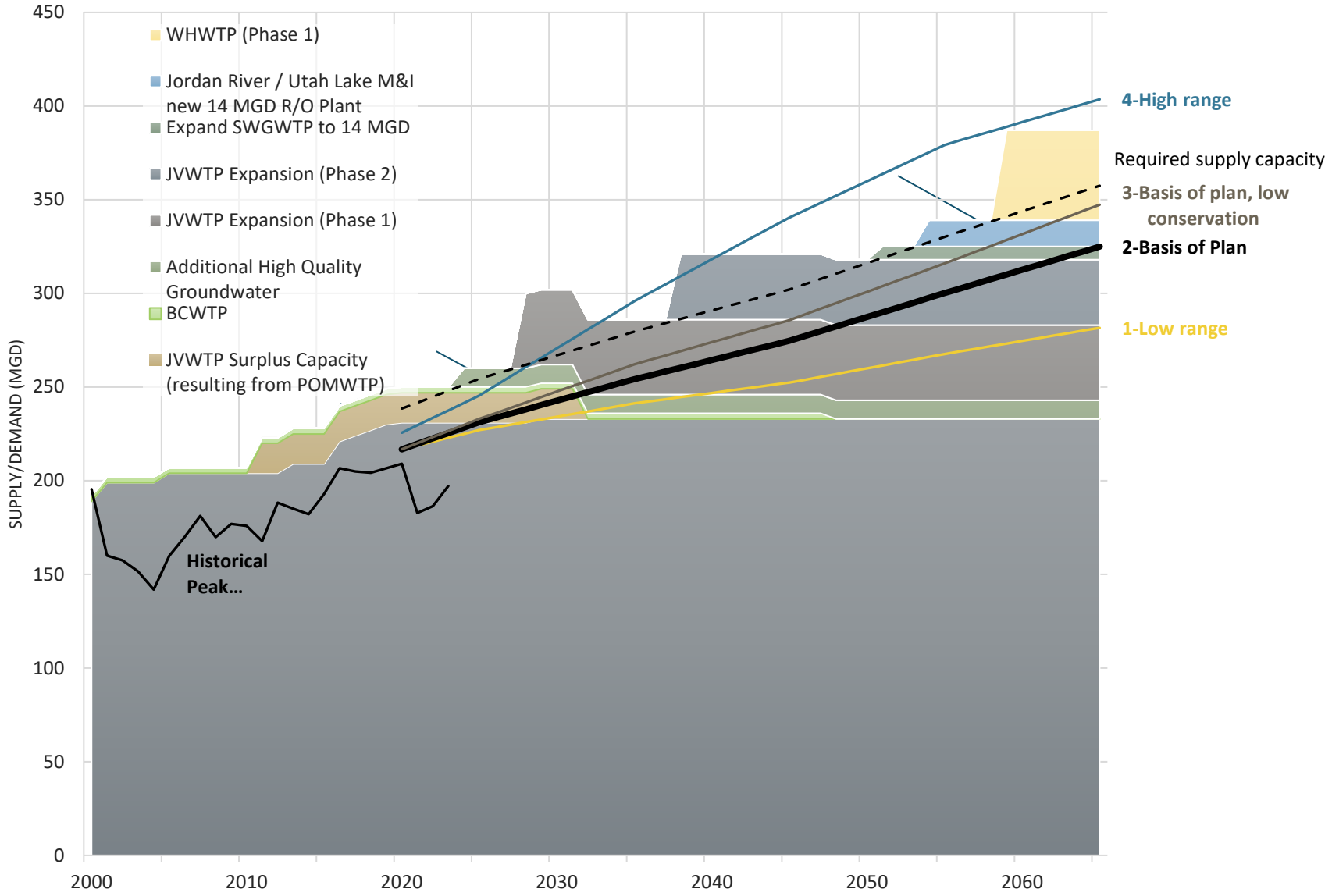
Timing for new Sources:

- ULS Water – 2028
- New SWGWTP Wells – 2038
- SWGWTP Expansion – 2039
- Utah Lake/Jordan River Treatment – 2045
- Bear River Water Development - 2055



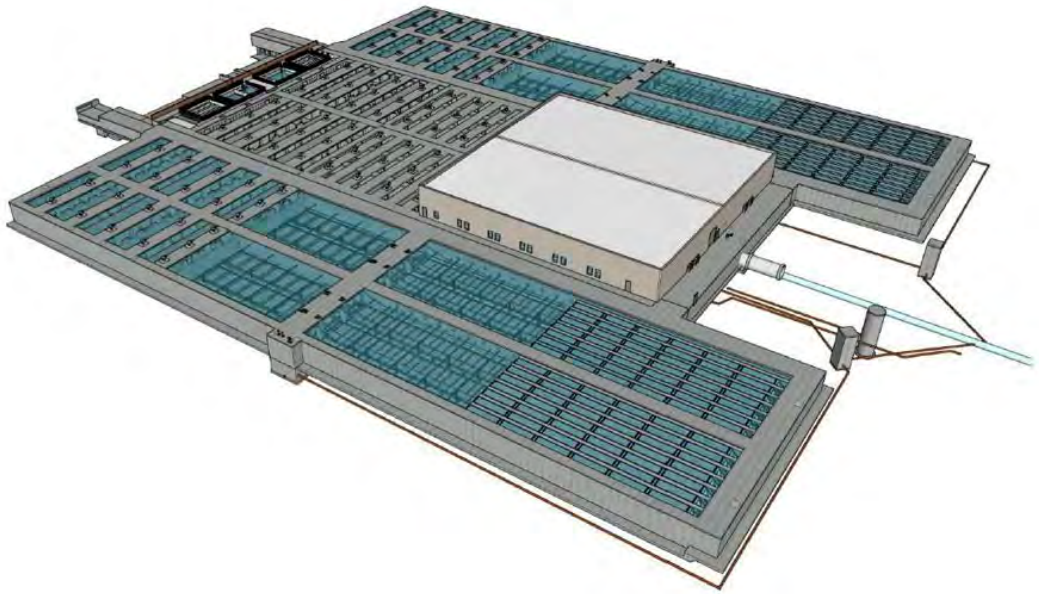
Max Day Supply and Demand

- New wells – 2026
- JVWTP Expansion to 220 MGD – 2026
- JVWTP Expansion to 255 MGD – 2038
- SWGWTP Expansion – 2039
- Utah Lake/Jordan River Treatment – 2045
- West Haven WTP - 2055



JVWTP Expansion

- Phase 1 – Sedimentation Basins 3-6 (180 MGD), Complete
- Phase 2 – Sedimentation Basins 1-2 (220 MGD), Awaiting funding
- Phase 3 – Filter & Chemical Upgrades (220 MGD), 2025
- Phase 4 – Hydraulic Upgrades (255 MGD), 2038



New Supply Projects

- Four new Deep Groundwater Wells, 2024
- Utah Lake/Jordan River Treatability Study, 2024
- Casto Springs Treatment Study, 2025

Conveyance Projects

- Southwest Aqueduct 13400 S. – 11800 S., 2025
- Southwest Aqueduct 11400 S. – 10200 S., 2038
- JA-1 Condition Assessment, Complete
- Jordan Aqueduct Seismic Resiliency Study, 2024
- Jordan Aqueduct Seismic Improvements, 2027
- Vault Upgrade Project, Ongoing

SOUTHWEST AQUEDUCT REACH 2

WORK COMING TO YOUR AREA

Jordan Valley Water Conservancy District (JVWCD) is expanding the Southwest Aqueduct Reach 2 (SWA-2), which is a 66-inch pipeline to add additional water capacity for the growing communities of Bluffdale, Herriman, Riverton, South Jordan, and West Jordan. This project will construct a new segment of the SWA-2 along 3200 West between 11770 South and 13400 South (see reverse for project map).

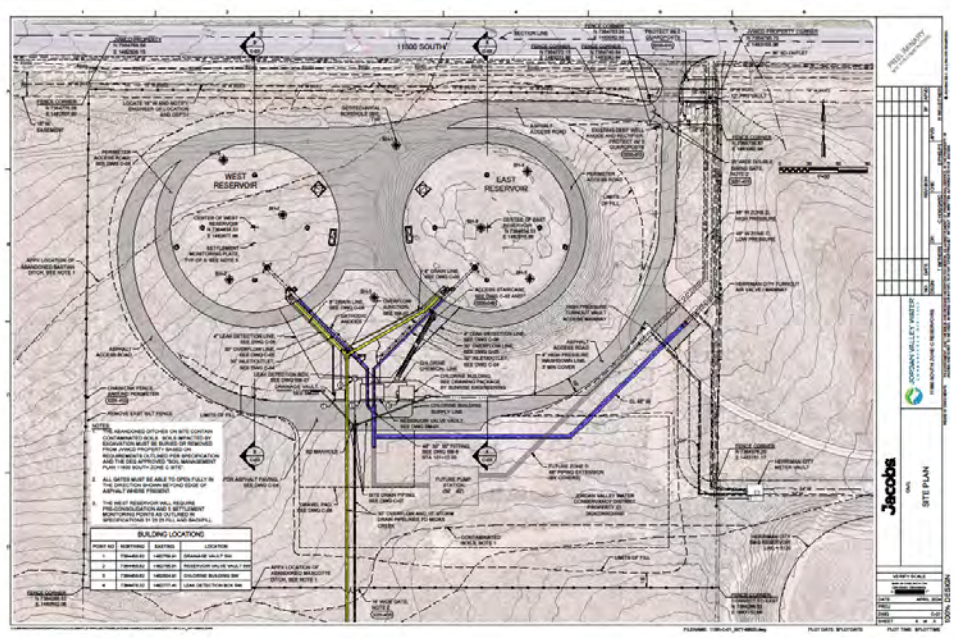
The pipeline will be installed within easements and the public right-of-way along the 3200 West corridor.

Please visit our website to learn more about this project and easement requirements.

CONTACT US
Hotline: 435-254-2700
Email: Info@SWA-Reach2.com
Website: SWA-Reach2.com

Southwest Upgrades

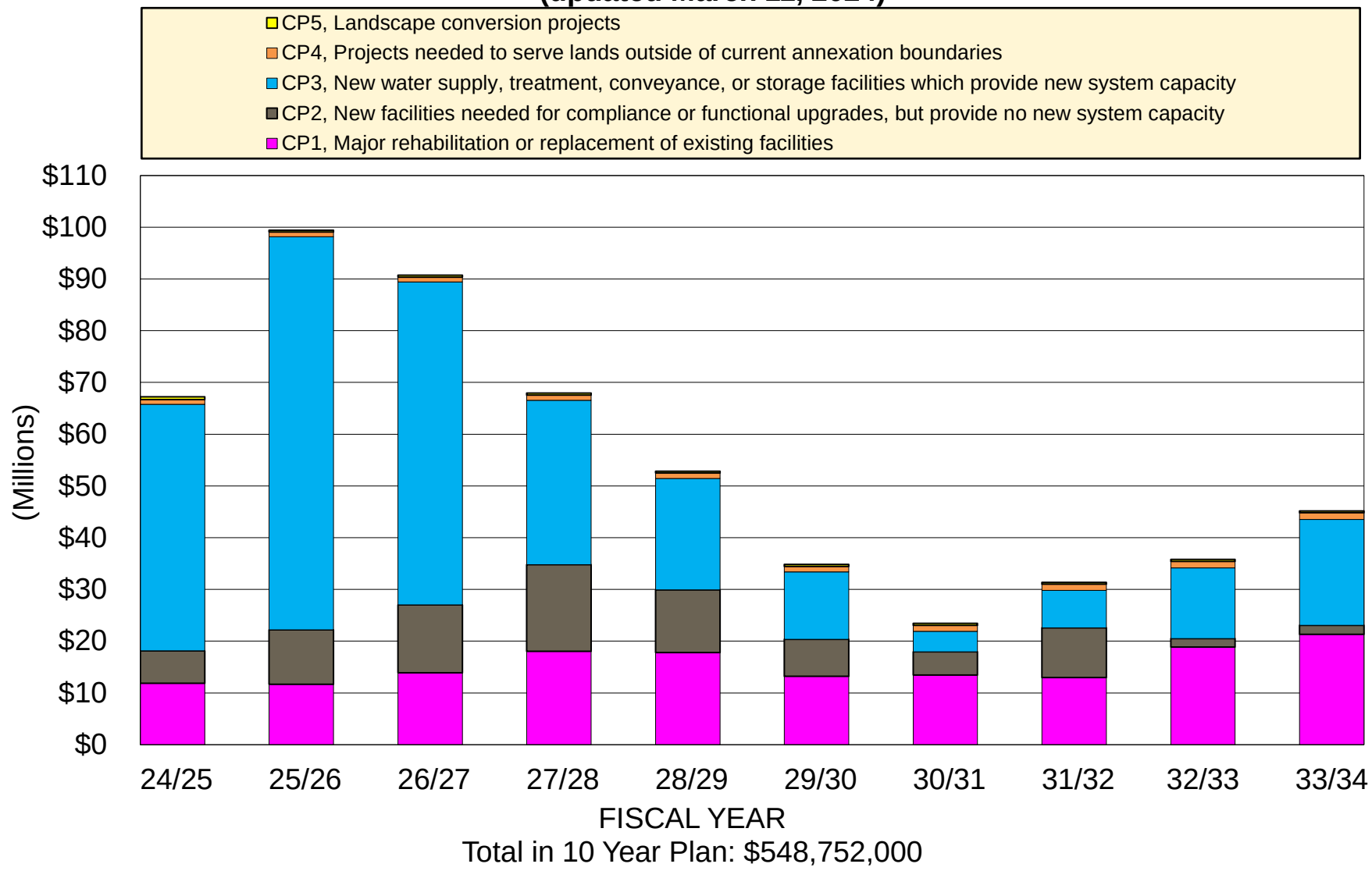
- New 3600 W. 10200 S. Booster Pump Station, Complete
- New 11800 S. Zone C Reservoir, 2024
- 5700 W. 10200 S. Booster Pump Station Upgrades, 2026
- Rosecrest Rd. Capacity Improvements, 2026



North Area Upgrades

- New 5200 W. 6200 S. Reservoir, 2024
- Terminal Reservoir Booster Pump Station Upgrades, 2027
- Generator Upgrade Project, 2025
- 1000 E. Pipeline Capacity Upgrades, 2026

TEN YEAR CAPITAL PROJECTS PLAN SUMMARY
(updated March 11, 2024)



Total in 10 Year Plan: $548,752,000

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Annual Member Agency Meeting
April 16, 2024

JORDAN VALLEY WATER
CONSERVANCY DISTRICT

Financial Plan, Water Rates and Methodology

Annual Member Agency Meeting

David Martin
CFO/Treasurer

April 16, 2024

JORDAN VALLEY WATER
CONSERVANCY DISTRICT

2024 Annual Member Agency Meeting

Financial Plan, Water Rates and Methodology

FISCAL YEAR BUDGET

- Operating and maintenance level of service needs
- Debt payments due for fiscal year
- Funding capital replacement projects and reserves

10-YEAR CAPITAL PROJECTS PLAN

- Water supply and demand projections
- Prioritizing capital projects and estimated costs
- Updated annually

10-YEAR FINANCIAL PLAN

- Future revenue based on water demand projections
- Operating and maintenance expense projections
- Debt service based on current and anticipated debt
- Projected future bond issues

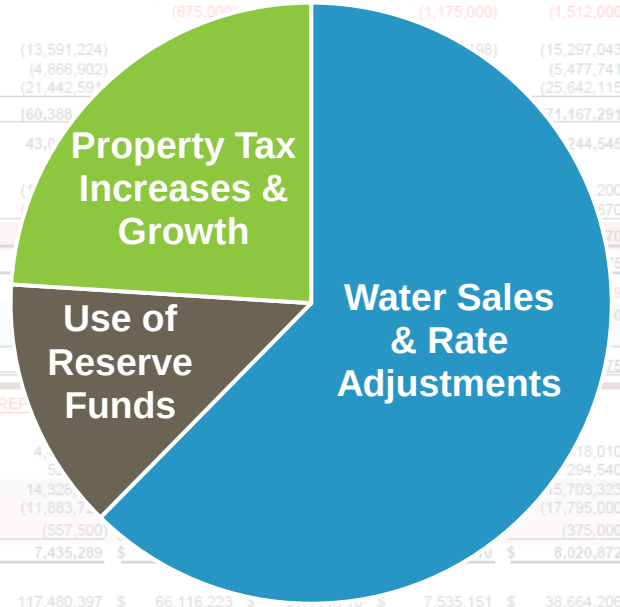
10 YEAR FINANCIAL PROJECTIONS

(March 2024 Update w/ March 2024 Capital Projects Plan projections)

Fiscal Years

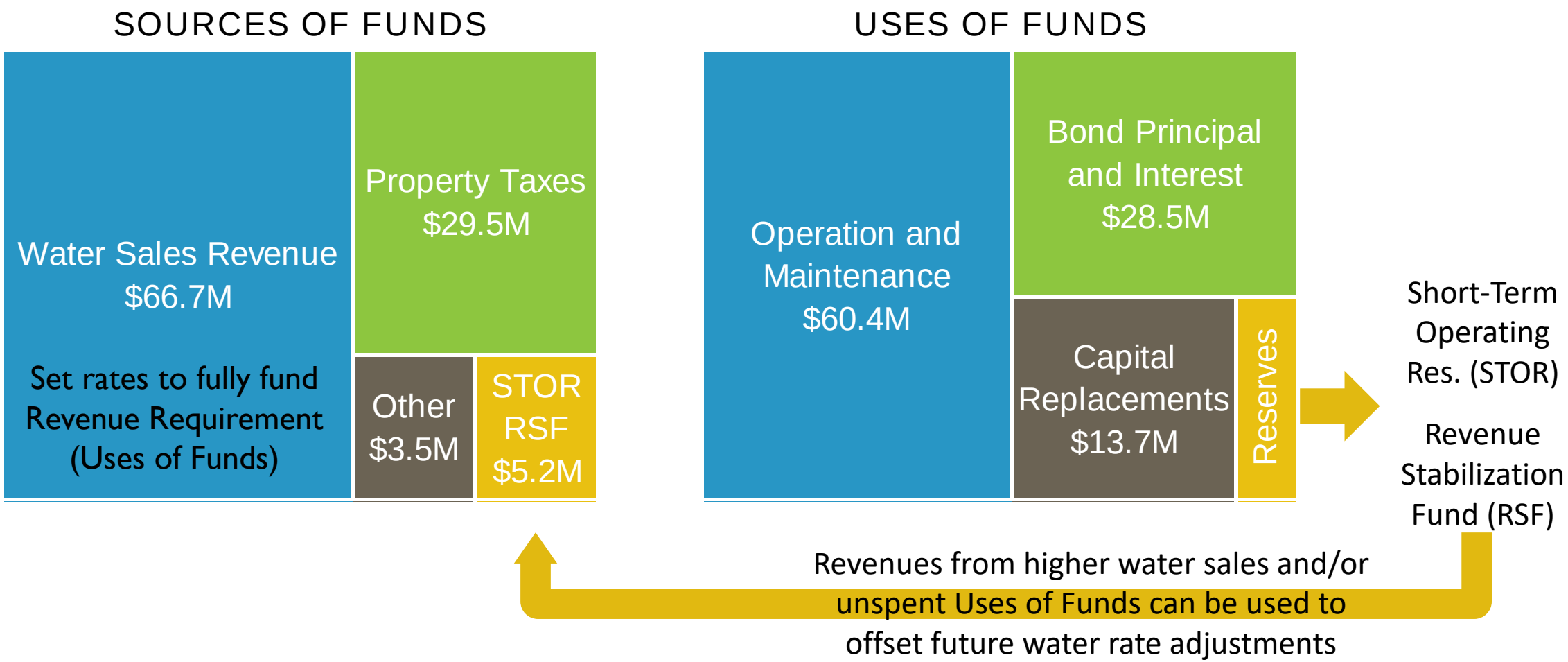
9-Apr-24 2.5% to 5.8% Proposed Rate Increases WITH MULTIPLE Tax Rate Increases		CURRENT FY BUDGETED 2023/2024	PROPOSED BUDGET 2024/2025	2025/2026	2026/2027	2027/2028	2028/2029	2029/2030	2030/2031
Water Delivery Percentage Increase (From the Water Supply Plan)		*0.0%*	*2.0%*	*1.0%*	*1.0%*	*1.0%*	*1.0%*	*1.0%*	*1.0%*
Budgeted Water Deliveries		102,000	104,000	105,040	106,090	107,151	108,223	109,305	110,398
Average Water Rate Increase		5.0%	5.2%	5.8%	5.0%	3.0%	2.8%	2.5%	2.5%
Average Water Rate		$607.65	$639.25	$676.33	$710.15	$731.45	$751.93	$770.73	$790.00
REVENUES:									
Water Sales	Vol*Rate	$ 61,9					244,677	$	87,214,496
Property Taxes	1.8%	28,731,637	29,461,200	32,643,010	33,230,584	36,487,182	37,143,951	37,812,542	41,518,171
Other	1.5%	7,953,800	7,521,7	5,634,535	5,719,5	5,804,6	5,891,902	5,980,281	6,069,985
TOTAL REVENUES		98,665,513	103,423,9				124,411,836	128,037,500	134,802,652
OPERATING EXPENSES:									
Water Purchased	3.2%	(19,449,887)	(20,487,421)	(21,143,018)	(21,819,595)	(22,517,822)	(23,238,392)	(23,982,021)	(24,749,446)
Additional 6,300 AF CUP Water				(675,0		(1,175,000)	(1,512,000)	(1,543,500)	(1,575,000)
ULS Water Supply (16,400 AF)									(3,280,000)
Operating & Maintenance	3.0%	(15,390,816)	(13,591,224)				(15,297,043)	(15,755,954)	(16,228,633)
General & Administrative	3.0%	(4,417,843)	(4,866,902)				(5,477,741)	(5,642,073)	(5,811,335)
Personnel	3.7%	(20,467,172)	(21,442,59				(25,642,115)	(26,890,873)	(28,185,835)
TOTAL OPERATING EXPENSES		(59,725,718)	(60,388				(74,167,291)	(73,814,421)	(79,830,249)
INCOME BEFORE DEBT SERVICE		38,939,795	43,0				244,545	54,223,079	54,972,403
DEBT SERVICE PAID:									
Principal		(12,312,000)	(				200)	(14,742,600)	(15,970,900)
Interest		(13,093,675)	(				670)	(20,580,855)	(20,502,210)
TOTAL DEBT SERVICE		$ (25,405,675)	$				70)	$ (35,323,455)	$ (36,473,110)
PAYGO FROM OPERATIONS		$ 13,534,120	$				75	$ 18,899,624	$ 18,499,293
DEBT SERVICE COVERAGE		1.53					9	1.54	1.51
FROM SHORT-TERM OPERATING RESERVE		2,982,386					0	3,000,000	3,000,000
ADDITIONAL AMOUNT FROM REV STAB FUND		2,681,066						-	-
AVAILABLE FOR PAYGO TRANSFER		$ 19,197,572	$				75	$ 21,899,624	$ 21,499,293
CAPITAL FUNDS BALANCE (CASH BASIS FROM BOARD REPORT)									
REPLACEMENT RESERVE FUND									
Beginning of Year R&R Fund Balance:		$ 7,265,129	$ 4				18,010	$ 8,020,872	$ 10,738,821
Interest Income	3.0%	375,436	5				294,540	240,626	322,165
Transfers from Operations		14,155,949	14,326				15,703,323	15,703,323	16,703,323
CP1 Capital Expenditures (Net)		(17,328,572)	(11,883,7				(17,795,000)	(13,226,000)	(13,435,000)
CP5 Landscape Conversion Projects (Net)		-	(557,500)				(375,000)	(375,000)	(375,000)
End of Year R&R Fund Balance:		$ 4,467,942	$ 7,435,289	$			0	$ 8,020,872	$ 10,738,821	$ 14,329,308
CAPITAL PROJ. FUND & BOND PROCEEDS									
Beginning of Year Capital Funds Balance:		$ 22,572,245	$ 117,480,397	$ 66,116,223	$	$ 7,535,151	$ 38,664,206	$ 5,553,132	$ 14,893,726
Interest Income	3.0%	677,167	2,997,300	1,983,487	2,433,441	226,055	1,159,926	166,594	446,812
Transfers of Impact Fees		205,960	435,000	416,000	416,000	416,000	416,000	416,000	416,000
Transfers from Operations		1,554,301	-	-	-	-	-	-	-
From Sale of Capital Project Assets		16,358,160							
Bond Proceeds		100,000,000	-	100,000,000	-	80,000,000	-	30,000,000	-
CP2-CP4 Capital Expenditures		(23,887,436)	(54,796,474)	(87,401,000)	(76,429,000)	(49,513,000)	(34,687,000)	(21,242,000)	(9,612,000)
End of Year Capital Projects Fund Balance:		$ 117,480,397	$ 66,116,223	$ 81,114,710	$ 7,535,151	$ 38,664,206	$ 5,553,132	$ 14,893,726	$ 6,144,53
END OF YEAR CAPITAL FUNDS BALANCE:		$ 121,948,339	$ 73,551,512	$ 90,830,380	$ 19,342,614	$ 48,482,215	$ 13,574,004	$ 25,632,546	$ 20,473,846

Funding the 10-Year Financial Plan (Operating Budgets)



Budget Process

Revenue Stabilization Fund (RSF)



WATER RATE METHODOLOGY – BIG PICTURE

WATER SYSTEM

- Jordan Valley has developed an extensive water system
- Over $800 million invested in infrastructure and water sources
- Delivers over 100,000 acre-feet of water per year

USERS

- 17 member agencies and retail system of approx. 8,600 customers
- Use of the system differs – small to large wholesale contracts
- Summer extra-capacity usage ranges from 1 to 4 times average use

WATER RATES

- Water rate study performed each year by a consultant
- Costs fairly allocated to users, based on how the system is used
- Water rates developed to generate sufficient revenues

Overview of the Rate Setting Process

Revenue Requirement

Compares the revenue of Jordan Valley to its expenses to evaluate the level of overall rates

O&M Expenses
Debt Service Payments
Capital Replacements
Reserves

Drives the need for overall water rate adjustments

Cost of Service

Equitably (proportionally) allocates the revenue requirement between each member agency and the retail customers

Base-Extra Capacity Method

Peaking Factors measure extra capacity needs

Changes in cost allocations cause adjustments to member agency water rates

Rate Design

Design cost-based rates to meet the revenue needs of Jordan Valley, along with any other rate design goals and objectives

Uniform Wholesale Rates

Tiered Retail Rates

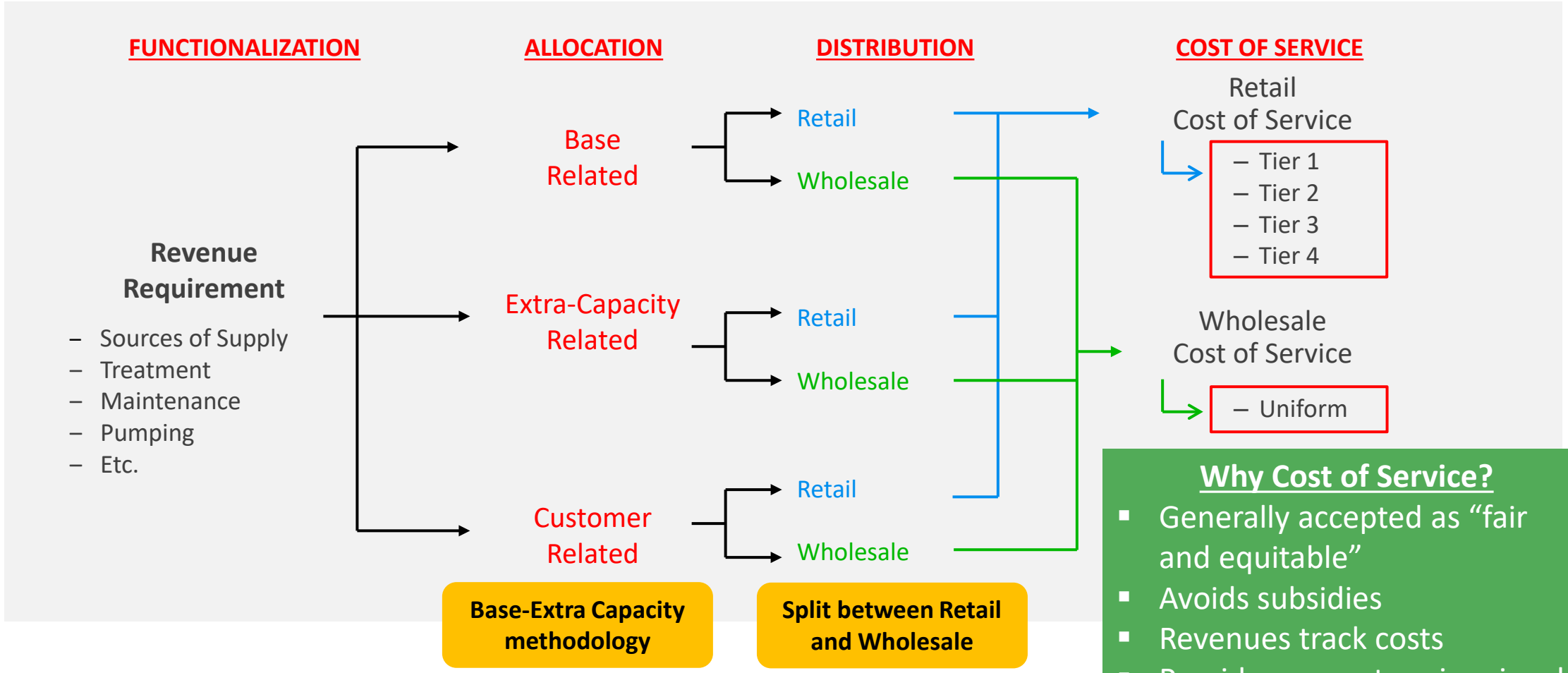
Monthly Base Charge/Flat Fee

REVENUE REQUIREMENT SUMMARY CONCLUSIONS

- Tentatively approved 6.0% overall adjustment to water rates
- No proposed property tax rate increase
- Use $5.2 million of Short-Term Operating Reserve and Revenue Stabilization Fund
- Impacting deficiencies:
  - Borrowing and annual debt service payments
  - Capital replacement funding through rates
  - Inflation to operating expenses

COST OF SERVICE ANALYSIS

SIMPLIFIED OVERVIEW OF A COST OF SERVICE ANALYSIS

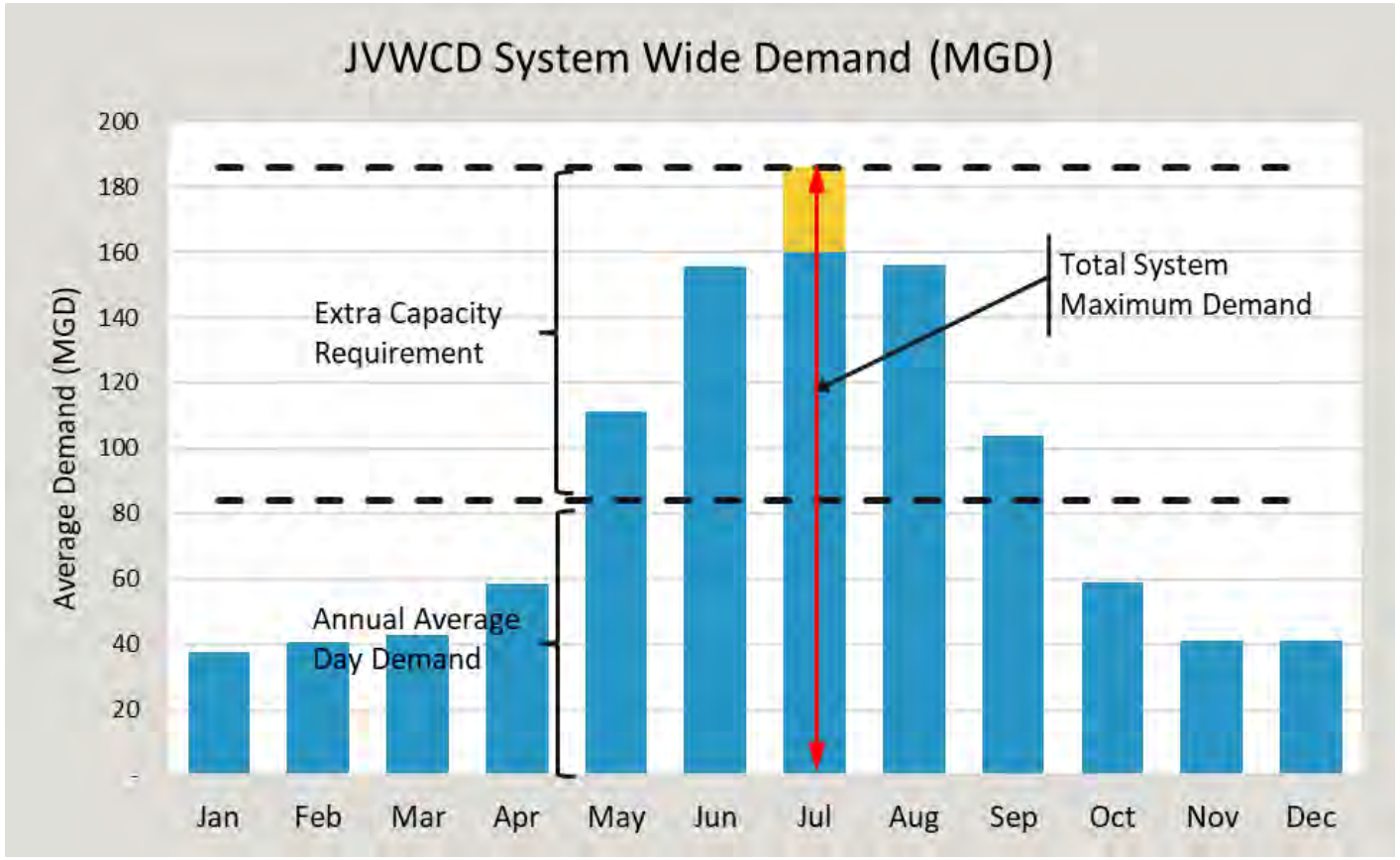


Why Cost of Service?

- Generally accepted as "fair and equitable"
- Avoids subsidies
- Revenues track costs
- Provides accurate price signal

COST OF SERVICE ANALYSIS

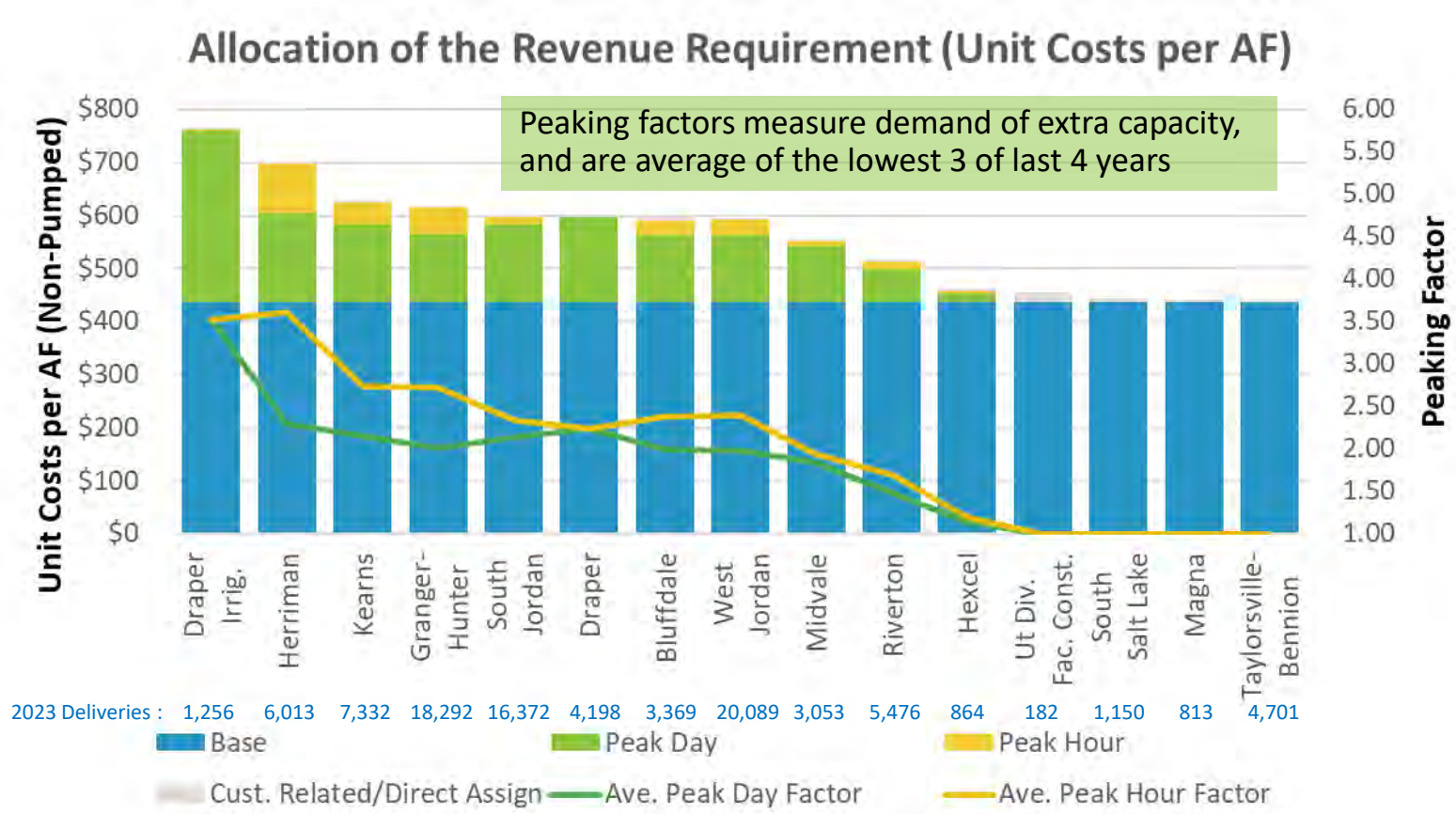
BASE-EXTRA CAPACITY METHOD



	NET REVENUE REQUIREMENT	RATE PER ACRE FOOT
CUST. RELATED & DIRECT ASGN	$1.4 million	Varies
EXTRA HOUR CAPACITY	$3.4 million	$0 - $93
EXTRA DAY CAPACITY	$13.9 million	$0 - $324
BASE	$46.0 million	$436
TOTAL REVENUE REQUIREMENT	$64.8 million	

COST OF SERVICE ANALYSIS

BASE-EXTRA CAPACITY METHOD



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BASE	$46.0 million	$436
TOTAL REVENUE REQUIREMENT	$64.8 million	

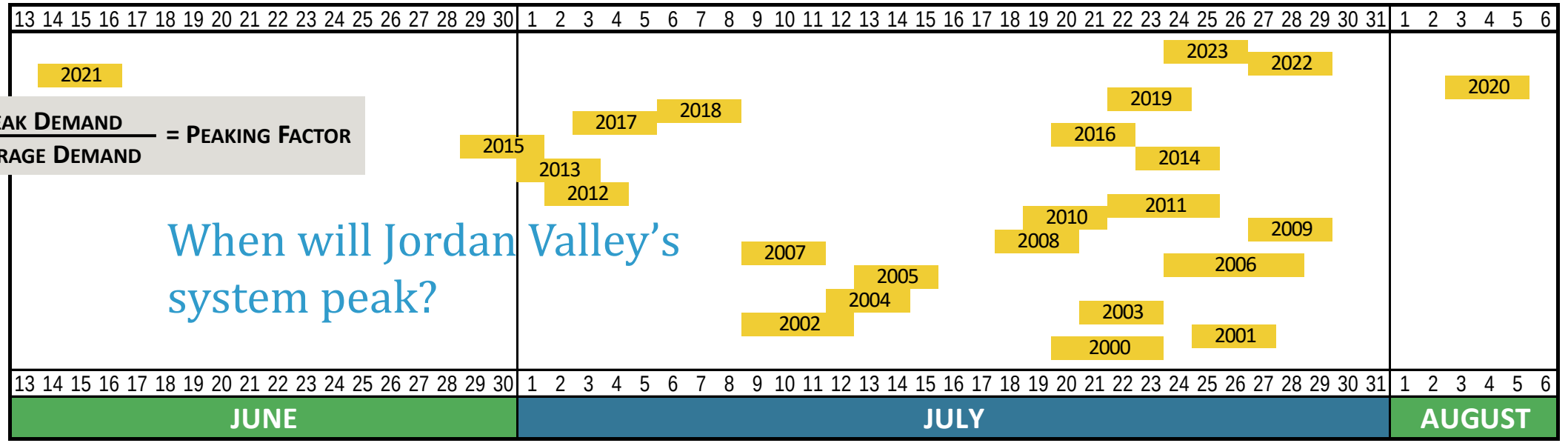
2024 Annual Member Agency Meeting

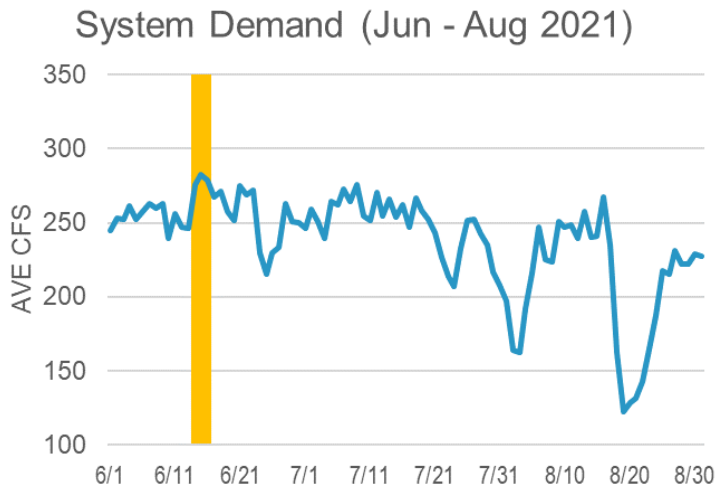
Financial Plan, Water Rates and Methodology

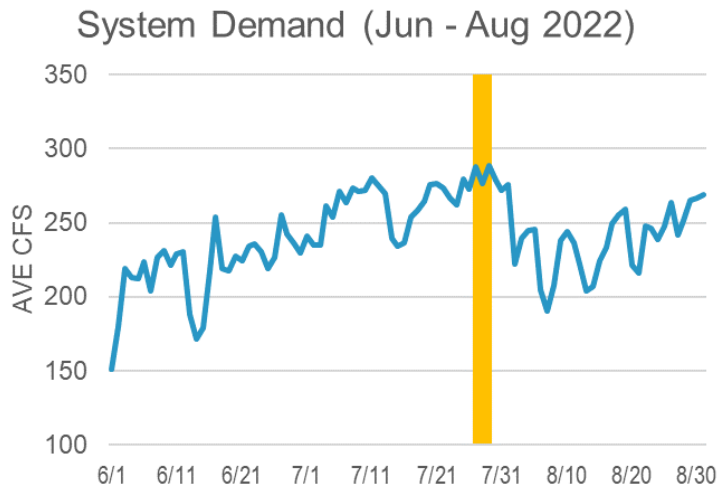
PEAKING FACTORS

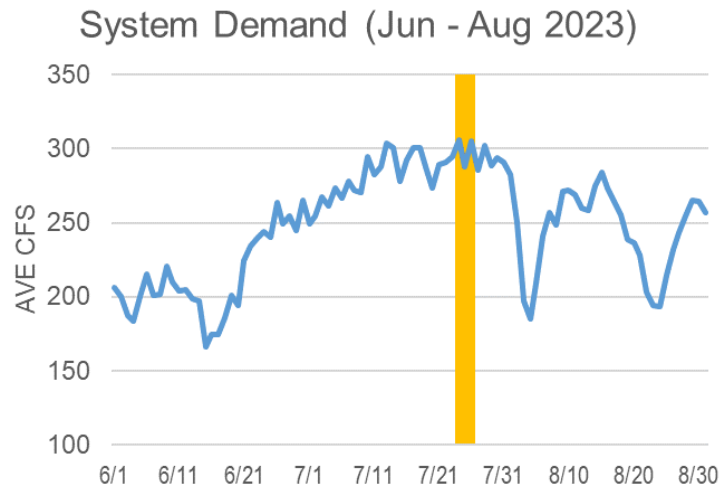
$$\frac{\text{PEAK DEMAND}}{\text{AVERAGE DEMAND}} = \text{PEAKING FACTOR}$$

When will Jordan Valley's system peak?









2024 Annual Member Agency Meeting

2024/2025 Tentative Water Rates

2024/2025 WATER RATES

6.0% OVERALL ADJUSTMENT TO WATER RATES

MEMBER AGENCY (Rate per Acre Foot)	PUMP ZONES	2023/2024 RATES	2024/2025 RATES	$ CHANGE	% CHANGE
Bluffdale	JVWTP	$ 568.28	$ 592.09	$ 23.81	4.2%
Draper City		559.55	597.28	37.73	6.7%
Draper Irrigation		743.26	762.35	19.09	2.6%
Granger-Hunter	B North	581.29	616.30	35.01	6.0%
Herriman	C South, D South	671.14	696.93	25.79	3.8%
Hexcel Corp.	B North	434.26	461.25	26.99	6.2%
Kearns	B North	588.73	624.50	35.77	6.1%
Magna Water	B North	418.54	438.72	20.18	4.8%
Midvale		523.68	551.54	27.86	5.3%
Riverton	C South	487.60	513.76	26.16	5.4%
South Jordan	B North/South, C South, D South	560.44	597.28	36.84	6.6%
South Salt Lake		420.17	440.83	20.66	4.9%
Taylorsville-Bennion	B North	413.91	436.66	22.75	5.5%
Utah Div. of Fac. Constr. Mgmt.		418.10	441.99	23.89	5.7%
West Jordan	B North/South C South, D South	556.27	591.09	34.82	6.3%
BLOCK 2 WATER RATE	Plus Pumping	$ 1,128.52	$ 1,146.44	$ 17.92	1.6%
BCWTP RATE		517.93	531.75	13.82	2.7%

MONTHLY METER BASE CHARGE				
METER SIZE	23/24 RATES	24/25 RATES	$ CHANGE	% CHANGE
4”	$ 25	$ 25	$0	0.0%
6”	50	50	0	0.0%
8”	78	78	0	0.0%
10”	114	114	0	0.0%
12”	168	168	0	0.0%
14”	228	228	0	0.0%
16”	300	300	0	0.0%
18”	378	378	0	0.0%
20”	462	462	0	0.0%
24”	672	672	0	0.0%
30”	1,050	1,050	0	0.0%

PUMP ZONE SURCHARGE				
PUMP ZONE	23/24 RATES	24/25 RATES	$ CHANGE	% CHANGE
B North	$ 22.43	$ 21.07	$ (1.36)	-6.1%
B South	40.36	35.62	(4.74)	-11.7%
C South	56.36	54.64	(1.72)	-3.1%
D South	91.91	85.08	(6.83)	-7.4%
JVWTP	29.58	25.21	(4.37)	-14.8%

2024/2025 Water Rates

Water Rate Design & Remaining Timeframe

- 2024/2025 water rates:
  - Monthly base charge/flat fee
  - Pumping costs are directly assigned (zones)
  - Uniform wholesale rates – Block 1 and Block 2
  - Tiered retail rates

RETAIL SYSTEM (Rate per 1,000 Gallon)	TIER	2023/2024 RATES	2024/2025 RATES	$ CHANGE	% CHANGE
Non-Pumped	Tier 1	$ 1.70	**$ 1.70**	$ 0.00	0.0%
	Tier 2	2.56	**2.58**	0.02	0.8%
	Tier 3	3.84	**4.20**	0.36	9.4%
	Tier 4	4.71	**5.19**	0.48	10.2%

4.6% AVE RATE ADJ.

- Tentative water rates were approved 4/10/2024
- Public hearing is scheduled 5/8/2024 at 6:00 p.m.
- Final water rates to be approved/adopted 6/5/2024
- Effective 7/1/2024

Slides beyond this point are included to provide added explanation and updated information on the water rate setting process, methodology, and the 2024/2025 water rates.

Water Rate Influences

Revenue Requirement

Jordan Valley Water

- Operation & Maintenance budget
- Planning and funding of capital improvements
  - Rate funded
  - Bonds – debt service
- Financing reserve funds
- Property tax revenue and tax rate increases
- Conservation goals

External Influences

- Economy (inflation, recession)
- Drought / Climate change
- Compliance standards
- Legislative changes

Allocation of Costs

Member Agency (Individual)

- Minimum purchase contract
- Actual annual water deliveries
- Extra-capacity demand – peak day/hour flows
- Number of meters and meter capacity
- Conservation efforts

Member Agencies (Group)

- Jordan Valley's system-wide peak (3-day period) is determined by Member Agencies as a group
- One Member Agency's increase/decrease of its peak day/hour factor shifts the cost allocation for the entire group

Water Rate Influences

Revenue Requirement

Jordan Valley Water

- Operation & Maintenance costs
- Planning and funding of capital improvements
  - Rate funded
  - Bonds – debt service
- Financing [illegible]
- Property tax revenue and tax rate increases
- Conservation goals

External Influences

- Economy (inflation, recession)
- Drought / Climate change
- Compliance standards
- Legislative changes

6.0% Average Water Rate Adjustment

Increased debt service costs

No proposed property tax rate increase

Use of Short-Term Operating Reserve and Revenue Stabilization Fund

(prior year revenues used as offset)

Allocation of Costs

Member Agency (Individual)

- Minimum purchase contract
- Actual annual water deliveries
- Extra-capacity [illegible] day/hour flows
- Number of meters and meter capacity
- Conservation goals

Member Agencies (Group)

- Jordan Valley's system-wide peak (3-day period) is determined by Member Agencies as a group
- One Member Agency's increase/decrease of its peak day/hour factor shifts the cost allocation for the entire group

+/- 5% of Average Shifting of peaking factors

Changes in projected water sales

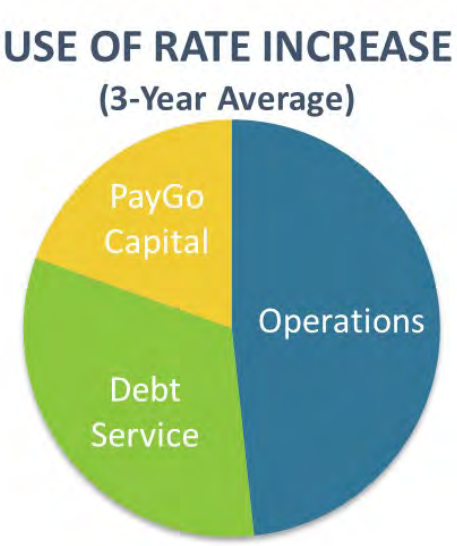
2024 Annual Member Agency Meeting
Financial Plan, Water Rates and Methodology

Revenue Requirement – Overview

Compares revenues to expenses	▪ Determines the level of revenue adjustment necessary ▪ Revenues (rates) need to support operations and capital
Uses prudent financial planning criteria	▪ Adequate funding for renewal and replacement ▪ Maintain prudent reserve levels ▪ Meet debt service coverage ratios (legal requirement)
Reviews a specific time period	▪ Typically a 10-year period for Jordan Valley
Utilizes the “cash basis” methodology	▪ Generally accepted method for municipal utilities ▪ Historical Jordan Valley approach to establish water rates

JORDAN VALLEY'S REVENUE REQUIREMENT – SUMMARY

- Rate revenues projected to be deficient during the 10-year review period
  - Tentatively approved 6.0% overall adjustment to rates followed by 5.8-2.5% thereafter
  - Use of revenue stabilization fund is a one-time reduction to rates
  - Future revenue adjustments may vary depending on actual operational results
- Annual deficiencies are primarily the result of:
  - Increased annual debt service payments
  - Prudent funding of capital through rates
  - Inflationary increases to O&M expenses
  - Maintaining adequate debt service coverage ratios
- An annual adjustment to rates has been Jordan Valley's historical rate-setting philosophy



Cost of Service Analysis

What is cost of service?

- Analysis to equitably allocate the revenue requirement to the various customers (Retail and individual wholesale Member Agencies)

Why cost of service?

- Generally accepted as "fair and equitable"
- Avoids subsidies
- Revenues track costs
- Provides an accurate price signal

Objectives of cost of service

- Determine if subsidies exist
- Develop average unit costs

JORDAN VALLEY'S COST OF SERVICE – SUMMARY

- Updated to reflect current customer characteristics and system operations
- Rate adjustments are within acceptable range based on a 6.0% overall revenue adjustment
  - +/- 5% of the system total
  - Few exceptions, based on changes in peaking factors
- Retail and Member Agency impacts reflect system use and peaking requirements
  - 6.0% adjustment for overall system
  - Wholesale – Member Agency range from 2.6% to 6.7%
  - Retail – retail customers receive 4.6% adjustment
- Pumping costs are directly assigned (zones)

BASE-EXTRA CAPACITY METHOD

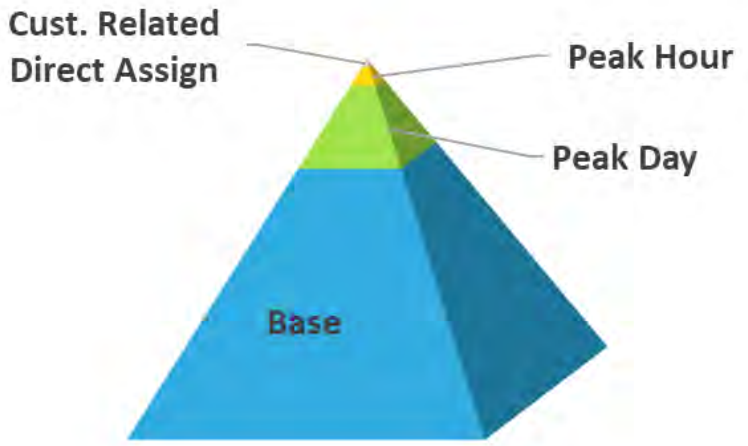
BASE-EXTRA CAPACITY METHOD

Costs of service are separated into primary cost components:

1. Base – Costs associated with service to customers under average load conditions (to meet average demand)

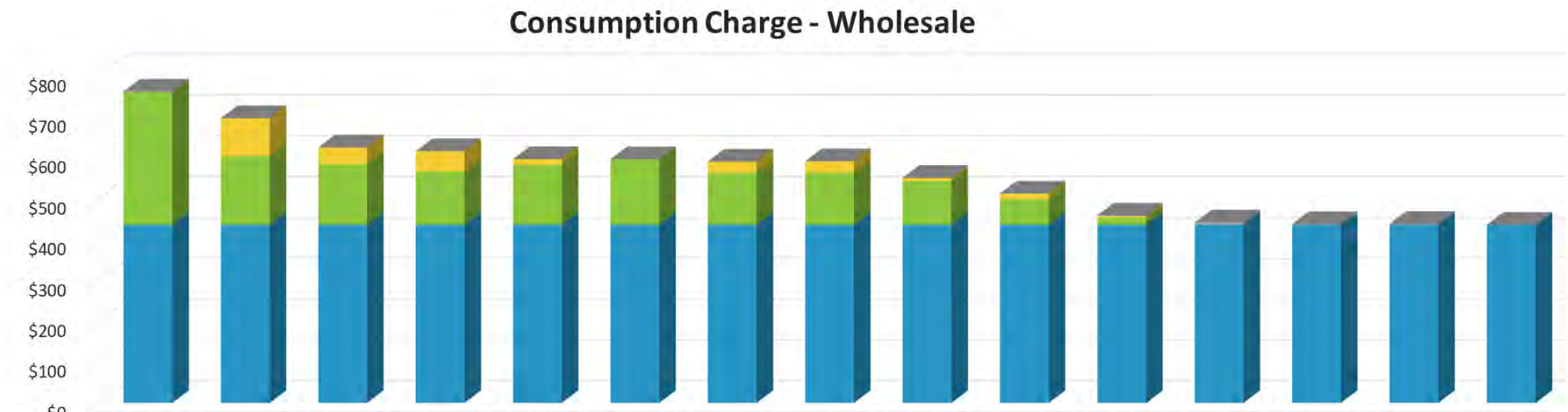
2. Extra capacity (peak day, peak hour) – Costs associated with meeting rate of use requirements in excess of average

3. Customer costs and direct assign – Costs associated with serving customers, irrespective of the amount or rate of water use (allocated based on number of meters or directly assigned)



BASE-EXTRA CAPACITY METHOD

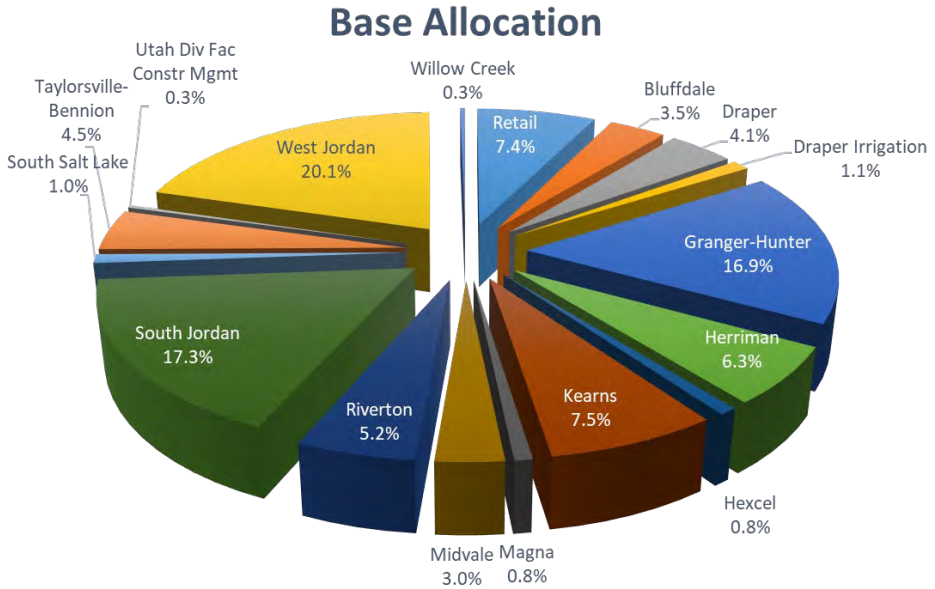
WHOLESALE UNIT COST BY COMPONENT ($/ACRE FOOT)

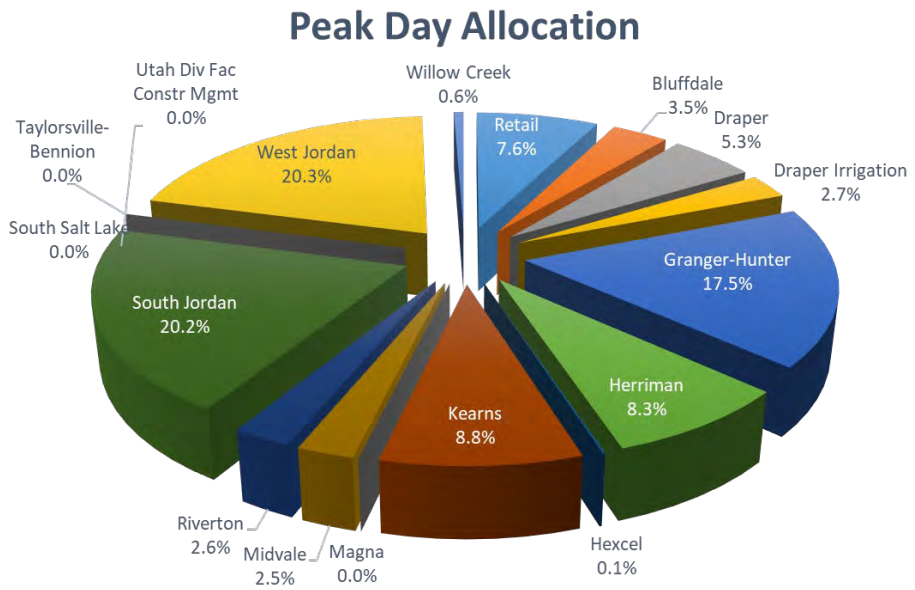


	Draper Irrigation	Herriman	Kearns	Granger-Hunter	South Jordan	Draper City	Bluffdale	West Jordan	Midvale	Riverton	Hexcel Corp.	Ut Div. Fac. Const.	South Salt Lake	Magna Water	Taylorsville -Bennion
Fire/Rev/DA	$1.66	$0.28	$0.24	$0.10	$0.10	$0.43	$0.51	$0.09	$0.59	$0.34	$2.13	$6.10	$1.79	$2.29	$0.39
Extra Hour Capacity	$0.48	$93.16	$41.92	$50.60	$14.53	$0.00	$27.70	$28.73	$7.43	$14.52	$4.29	$0.00	$0.00	$0.00	$0.00
Extra Day Capacity	$323.96	$167.59	$147.52	$129.65	$146.32	$160.19	$126.76	$126.81	$107.11	$61.85	$16.63	$0.00	$0.00	$0.00	$0.00
Base	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63	$435.63

2024 Annual Member Agency Meeting
Financial Plan, Water Rates and Methodology

BASE-EXTRA CAPACITY METHOD

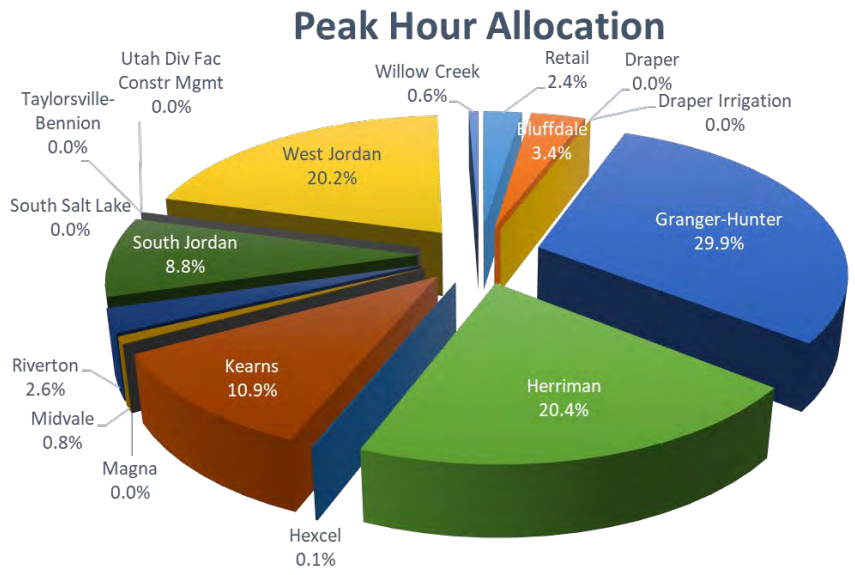




Splitting the Pie

Base Allocation – based on deliveries

Peak Day/Hour Allocation – based on how Jordan Valley's system is used (Peaking Factors)



PEAKING FACTORS

Peaking factors are used to allocate Jordan Valley's system costs related to the delivery of extra-capacity demand

$$\frac{\text{PEAK DEMAND}}{\text{AVERAGE DEMAND}} = \text{PEAKING FACTOR}$$

- Extra-capacity costs are defined as those costs related to meeting demands over and above average (base) demands
  - Peak day extra demand
  - Peak hour demand in excess of peak day demand
- Member Agency's peak demands are measured and then averaged over a 3-day period, when Jordan Valley's system-wide peak demand occurs
- A Member Agency's peaking factor is the ratio of peak uses of water to its average uses of water
- A factor of 2.0 means that peak demand is twice the average

2024 Annual Member Agency Meeting

Financial Plan, Water Rates and Methodology

PEAKING FACTORS

PEAK DAY

PEAK HOUR

	Actual Peak DAY Factor					Average Peak DAY Factor (for FY)		Actual Peak HOUR Factor					Average Peak HOUR Factor (for FY)	
Peak day period:	7/22-7/24	8/3-8/5	6/14-6/16	7/27-7/29	7/24-7/26	*Average of the lowest 3 of last 4 years*		7/22-7/24	8/3-8/5	6/14-6/16	7/27-7/29	7/24-7/26	*Average of the lowest 3 of last 4 years*	
Member Agency	**2019**	**2020**	**2021**	**2022**	**2023**	**23/24**	**24/25**	**2019**	**2020**	**2021**	**2022**	**2023**	**23/24**	**24/25**
Bluffdale	2.59	2.02	2.02	1.92	2.24	1.99	1.99	3.29	3.18	2.53	1.92	2.68	2.54	2.38
Draper	2.70	2.25	2.26	2.22	2.43	2.24	2.24	2.70	2.25	2.26	2.22	2.43	2.24	2.24
Draper Irr.(WaterPro)	4.38	5.26	3.29	3.00	4.26	3.56	3.52	4.61	5.26	3.29	3.01	4.26	3.64	3.52
Granger-Hunter	2.27	2.03	2.01	2.07	1.98	2.04	2.01	3.01	2.64	2.80	2.72	2.89	2.72	2.72
Herriman	2.64	2.19	2.23	2.48	3.27	2.30	2.30	4.29	3.61	3.83	4.10	3.40	3.85	3.61
Hexcel Corp.	1.21	1.00	1.24	1.15	1.30	1.12	1.13	1.21	1.00	1.59	1.19	1.38	1.13	1.19
Kearns	2.46	2.20	2.30	2.04	2.20	2.18	2.15	3.23	2.62	2.65	2.94	3.97	2.74	2.74
Magna Water	1.06	1.00	1.00	1.03	1.00	1.01	1.00	1.06	1.00	1.00	1.06	1.00	1.02	1.00
Midvale	2.14	1.78	1.91	2.11	1.80	1.93	1.83	2.14	1.78	1.91	2.11	3.09	1.93	1.93
Riverton	1.89	1.66	1.50	1.43	1.51	1.53	1.48	2.15	1.77	1.76	1.53	1.82	1.69	1.69
South Jordan	2.67	2.11	2.09	2.21	2.32	2.14	2.14	2.83	2.31	2.28	2.42	2.58	2.34	2.34
South Salt Lake	1.06	1.62	1.00	1.00	1.00	1.02	1.00	1.06	1.62	1.00	1.00	1.00	1.02	1.00
Taylorsville-Bennion	1.00	1.01	1.00	1.00	1.00	1.00	1.00	1.00	1.02	1.00	1.00	1.00	1.00	1.00
Utah Div. of Fac. Const.	1.08	1.00	1.00	1.00	1.65	1.00	1.00	1.08	1.00	1.00	1.00	1.00	1.00	1.00
West Jordan	2.45	1.93	2.02	2.00	2.21	1.98	1.98	2.98	2.29	2.56	2.36	2.52	2.40	2.39
JVWCD Retail System	2.25	1.85	2.20	2.04	2.12	2.03	2.00	2.41	2.03	2.32	2.04	3.23	2.13	2.13

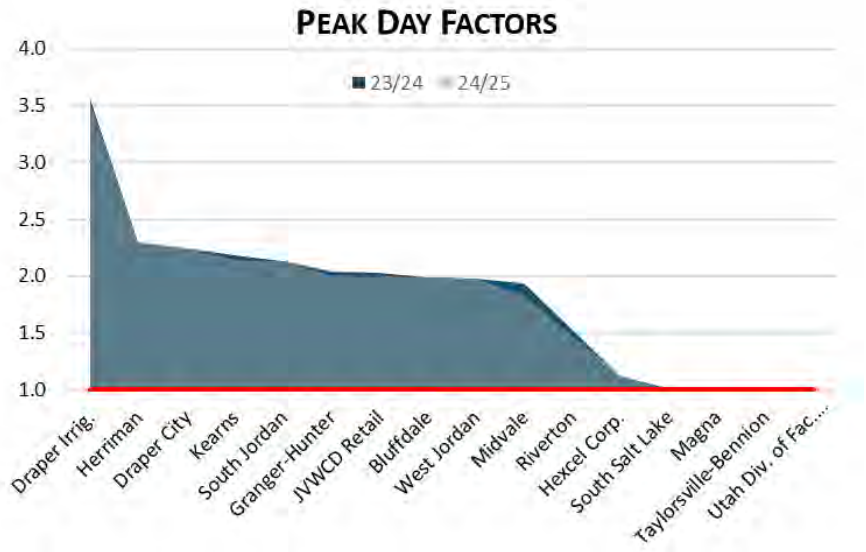
2024 Annual Member Agency Meeting

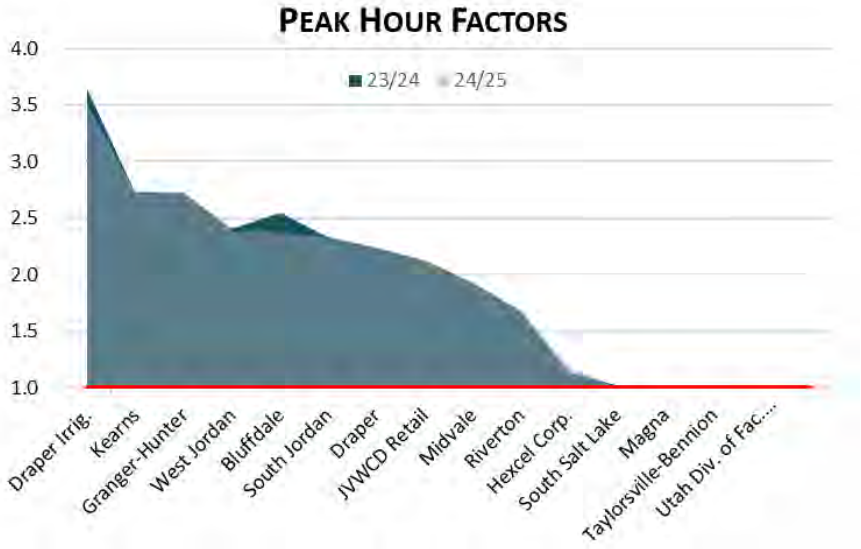
Financial Plan, Water Rates and Methodology

PEAKING FACTORS

PEAK DAY

Peak Day Factor	23/24	24/25
Draper Irrig.	3.56	3.52
Herriman	2.30	2.30
Draper City	2.24	2.24
Kearns	2.18	2.15
South Jordan	2.14	2.14
Granger-Hunter	2.04	2.01
JVWCD Retail	2.03	2.00
Bluffdale	1.99	1.99
West Jordan	1.98	1.98
Midvale	1.93	1.83
Riverton	1.53	1.48
Hexcel Corp.	1.12	1.13
South Salt Lake	1.02	1.00
Magna	1.01	1.00
Taylorsville-Bennion	1.00	1.00
Utah Div. of Fac. Con	1.00	1.00





PEAK HOUR

Peak Hour Factor	23/24	24/25
Herriman	3.85	3.61
Draper Irrig.	3.64	3.52
Kearns	2.74	2.74
Granger-Hunter	2.72	2.72
West Jordan	2.40	2.39
Bluffdale	2.54	2.38
South Jordan	2.34	2.34
Draper	2.24	2.24
JVWCD Retail	2.13	2.13
Midvale	1.93	1.93
Riverton	1.69	1.69
Hexcel Corp.	1.13	1.19
South Salt Lake	1.02	1.00
Magna	1.02	1.00
Taylorsville-Bennion	1.00	1.00
Utah Div. of Fac. Con	1.00	1.00

COST OF SERVICE ANALYSIS - RESULTS

COST OF SERVICE ANALYSIS (COSA) RESULTS – PROPOSED ADJUSTMENT

COSA	15/16	16/17	17/18	18/19	19/20	20/21	21/22	22/23	23/24	Proposed COSA Adj 24/25	10 YR AVE
Average Rate Adjust.	**5.0%**	**4.0%**	**3.5%**	**3.5%**	**1.5%**	**0.0%**	**2.0%**	**3.5%**	**5.0%**	**6.0%**	**3.4%**
Bluffdale	4.5%	2.3%	2.8%	-1.5%	2.2%	1.8%	2.2%	6.6%	0.5%	4.1%	2.6%
Draper City	1.4%	0.7%	2.0%	3.5%	0.1%	1.9%	2.2%	3.8%	5.1%	6.7%	2.7%
Draper Irrigation	4.1%	3.3%	2.8%	-0.4%	3.2%	-0.5%	12.9%	4.4%	-3.7%	2.6%	2.9%
Granger-Hunter	4.4%	5.7%	3.4%	4.7%	1.8%	-2.3%	0.9%	1.6%	4.3%	6.0%	3.1%
Herriman	2.7%	6.1%	3.3%	2.8%	1.7%	-1.2%	1.7%	3.2%	6.4%	3.8%	3.1%
Hexcel	3.4%	1.3%	3.2%	3.9%	2.1%	-1.9%	1.1%	4.8%	3.2%	6.2%	2.7%
Kearns	3.6%	4.0%	2.0%	4.5%	0.8%	-0.3%	3.7%	3.8%	4.8%	6.0%	3.3%
Magna	1.7%	0.6%	1.3%	3.9%	1.0%	-0.5%	1.6%	2.8%	5.4%	4.8%	2.3%
Midvale	2.8%	-0.7%	2.0%	-0.1%	0.9%	8.6%	8.5%	11.5%	4.4%	5.3%	4.3%
Riverton	-0.7%	5.3%	8.3%	2.6%	9.6%	-3.7%	0.1%	1.4%	0.8%	5.3%	2.9%
South Jordan	4.6%	2.9%	3.2%	0.5%	0.3%	-0.1%	1.0%	3.7%	5.2%	6.5%	2.8%
South Salt Lake	3.4%	1.4%	3.2%	8.3%	2.9%	-5.0%	5.6%	-1.9%	2.8%	4.9%	2.6%
Taylorsville-Bennion	0.8%	0.8%	1.7%	2.9%	1.3%	-0.3%	1.4%	2.8%	4.7%	5.5%	2.2%
Utah Div. of Fac. Const.	2.9%	2.0%	1.6%	2.0%	0.0%	-0.5%	1.7%	2.7%	5.1%	5.6%	2.3%
West Jordan	6.1%	3.5%	1.7%	3.5%	-0.3%	-0.6%	1.3%	2.5%	4.9%	6.2%	2.9%
Retail System	8.6%	3.1%	5.4%	4.1%	1.0%	2.2%	1.0%	3.5%	7.2%	4.6%	4.1%

JORDAN VALLEY WATER CONSERVANCY DISTRICT

Annual Member Agency Meeting
April 16, 2024

Legislative Issues

Alan Packard
General Manager
April 16, 2024

Water Related or Local District Bills

The 2024 general legislative session included introduction of a record number of water-related bills, including:

- HB 11: Water efficient Landscaping Amendments (passed)
- HB 13: Infrastructure Financing Districts (passed)
- HB 35: Metro Township Modifications (passed)
- HB 62: Utah Water Ways Amendments (passed)
- HB 65: Active Transportation and Canal Trail Amendments (did not pass)
- HB 74: Utility Relocation Cost Sharing Amendments (passed)

Water Related or Local District Bills, cont.

- HB 242: Water Usage Date Amendments (did not pass)
- HB 243: Riparian Amendments (did not pass)
- HB 249: Utah Legal Personhood Amendments (passed)
- HB 275: Water Amendments (passed)
- HB 280: Water Related Changes (passed)
- HB 306: Residential Housing Amendments (did not pass)
- HB 330: Unincorporated Areas Amendments (passed)
- HB 401: Water Usage Amendments (did not pass)

Water Related or Local District Bills, cont.

- HB 448: State Water Program Reporting Requirements (did not pass)
- HB 453: Great Salt Lake Revisions (passed)
- HB 472: Water Revisions (did not pass)
- HB 520: Fallow Land Amendments (passed)
- HB 535: Water Conservation Modifications (did not pass)
- HB 584: Economic Interruption Amendments (passed)

Water Related or Local District Bills, cont.

- SB 18: Water Modifications (passed)
- SB 39: Water Shareholder Amendments (passed)
- SB 118: Water Efficiency Amendments (did not pass)
- SB 125: Secondary Water Amendments (passed)
- SB 135: Advanced Air Mobility Amendments (passed)
- SB 145: Utility Easements Amendments (passed)
- SB 195: Golf Course Amendments (did not pass)
- SB 203: Drinking Water Amendments (did not pass)

Water Related or Local District Bills, cont.

- SB 211: Generational Water Infrastructure Amendments (passed)
- SB 242: Utah Lake Modifications (passed)
- SB 259: Requirements for Districts Providing Services (passed)
- SB 270: Utah Lake and Great Salt Lake Study Amendments (passed)

Water Related or Local District Bills, cont.

HB 11: Water Efficient Landscaping Amendments – (passed)

Sponsor: Doug Owens

Summary: Requires new government buildings to limit overhead spray irrigation to active recreation areas only.

Water Related or Local District Bills, cont.

HB 280: Water Related Changes – (passed)

Sponsor: Rep. Casey Snider

Summary: Water Development Coordinating Council to prioritize water projects requesting state funding. Funding mechanism to be studied (may be an end user fee or a tax).

Water Related or Local District Bills, cont.

SB 118: Water Efficiency Amendments – (did not pass)

Sponsor: McKell

Summary: Establishes a developer incentive fund (with the same provisions as landscape incentive program) to pay developers to install new water efficient landscaping.

Water Related or Local District Bills, cont.

SB 211: Generational Water Infrastruture Amendments – (passed)

Sponsor: Adams

Summary: Creates a Water District Water Development Council to coordinate generational water projects in the state and the office of an Agent to seek importation of water into the state from other states.

Water Related or Local District Bills, cont.

SB 259: Requirements for Districts Providing Services – (passed)

Sponsor: Cullimore

Summary: General clean up for special districts language. Allows Jordan Valley to hold hearings for changing trustee division boundaries.

PREPARE 60
SECURING UTAH'S ECONOMIC FUTURE

2022 Summary

prepare60.com

More than 90% of Utah's population lives within the four largest water conservancy districts' service areas. The districts are committed to protecting existing water resources, using them wisely, and providing for the future.

365
days worked

264 Billion
gallons of water delivered

$3 Million
issued in water conservation rebates or grants

$225 Billion
gross domestic product protected

3 Million
people served

92,400
water quality tests performed

$12.9 Billion
value of facilities protected and maintained

1.7 Million
jobs supported

CENTRAL UTAH WATER CONSERVANCY DISTRICT

JORDAN VALLEY WATER CONSERVANCY DISTRICT

WEBER BASIN WATER CONSERVANCY DISTRICT

WASHINGTON COUNTY WATER CONSERVANCY DISTRICT

JVWCD Contacts

Functions	Primary Contact	Alternate Contact
Finance, water rates, property taxes, budgets, and bonding	Dave Martin	
Water deliveries, service disruptions, and pressure issues	Matt Hinckley	Shazelle Terry
Water quality, water treatment, and laboratory services	Jon Hilbert	Shazelle Terry
Emergency response and planning	Jeff King	Shazelle Terry
Construction projects	Travis Christensen	Shane Swensen
Water supply and infrastructure planning	Travis Christensen	Shane Swensen
Water conservation programs and grants	Courtney Brown	Jacob Young
SCADA and telemetry	Jason Brown	Jacob Young
Water use data collection and member agency web portal	Jacob Young	Clifton Smith
Communications, outreach, social media, news, and community relations	Kelly Good	Jacob Young
Executive topics and issues	Alan Packard	Jacob Young Shazelle Terry

Questions/Comments