

SUMMARY 2013/2014 *of* **OPERATIONS**



JORDAN VALLEY WATER
CONSERVANCY DISTRICT

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Whenever possible, data for the fiscal year were used in this report. However, in cases where fiscal year data were not available or feasible to use, we have listed data from the calendar year.

DEFINITIONS FOR THIS PUBLICATION

AF = Acre feet

ASR = Aquifer storage & recovery (treated surface water pumped into the underground aquifer, then retrieved for use at a later date)

CFS = Cubic feet per second

cfu/ml = Colony-forming units (bacteria) per milliliter

CT = Concentration x time (for chlorination)

Feet Above/Below Compromise = Utah Lake level above or below “Compromise Elevation,” established by a 1986 agreement between landowners surrounding Utah Lake and water right owners. When the Utah Lake level exceeds Compromise Elevation, the radial gates at the Utah Lake Outlet Structures must be fully opened.

FTE = Full-time employee(s)

FY = Fiscal Year

GWR = Groundwater Rule

HAA = Haloacetic acid

HPC = Heterotrophic plate count

JVWCD = Jordan Valley Water Conservancy District

JVWTP = Jordan Valley Water Treatment Plant

M&I = Municipal and Industrial

MG = Million gallons

MGD = Million gallons per day

mg/L = Milligrams per liter

MSL = Mean sea level

MWDSLS = Metropolitan Water District of Salt Lake & Sandy

NTU = Nephelometric turbidity units

OM&R = Operations, Maintenance & Replacement

PEA = Poly-electrolyte Anionic (anionic polymer)

PEC = Poly-electrolyte Cationic (cationic polymer)

PAC = Powdered Activated Carbon

PRWUA = Provo River Water Users Association

SCADA = Supervisory Control and Data Acquisition (a computer-based system for remotely monitoring and controlling water systems)

SERWTP = Southeast Regional Water Treatment Plant

SWGTP = Southwest Groundwater Treatment Plant

SWJVGWP = Southwest Jordan Valley Groundwater Project

TDS = Total dissolved solids

THM = Trihalomethane

TOC = Total organic carbon

UFRV = Unit filter run volume

a- Provo River sources
 b- Weber, Duchesne and Provo
 River sources
 c- Weber River sources

Municipal & Industrial water supplies (acre-feet)	FY 13/14	FY 12/13	FY 11/12	FY 10/11
Jordanelle Reservoir (Central Utah Project) ^a	34,351	56,484	41,502	41,711
Deer Creek Reservoir (Provo River Project) ^b				
storage	4,385	788	12,140	3,477
extra allotment	0	0	11,634	5,903
leases & purchases	0	0	0	0
temporary Provo River storage	0	0	0	0
MWD surplus (Little Cottonwood Creek)	0	0	0	0
Upper Provo River reservoirs ^a	1,891	0	1,876	2,623
Echo Reservoir ^c	2,673	1,295	2,982	185
Provo River (direct flows)	19,835	11,642	3,897	8,620
Weber River (direct flows)	839	0	0	0
Local Wasatch streams	1,094	1,783	4,165	2,566
Bingham Canyon Water Treatment Plant	3,490	3,941	3,620	N/A
SWGWTP Feedwater (wells)	5,080	N/A	N/A	N/A
SL Valley Groundwater (wells)	19,294	17,206	12,924	15,250
Subtotal for M&I	92,932	93,139	94,740	80,335
Irrigation water supplies				
Jordanelle Reservoir (Central Utah Project) ^a	0	57	34	23
Deer Creek Reservoir (Provo River Project) ^b				
storage	0	0	3,706	6,062
extra allotment	0	0	1,785	301
leases & purchases	0	0	0	0
temporary Provo River storage	0	0	0	0
Upper Provo River reservoirs ^a	0	0	0	0
Echo Reservoir ^c	0	0	17	0
Provo River (direct flows)	3,214	0	17,047	7,962
Weber River (direct flows)	0	0	0	0
Utah Lake	26,664	31,562	12,065	15,115
Subtotal for irrigation	29,878	31,619	34,654	29,463
TOTAL ALL SUPPLIES	122,810	124,758	129,394	109,798
M&I water treated or transported for other agencies	3,369	3,241	4,999	5,384
TOTAL ALL WATER	126,179	127,999	134,393	115,182

All deliveries in acre feet	FY 13/14	FY 12/13	FY 11/12	FY 10/11
Bluffdale City	1,835	1,787	1,780	1,615
Copperton	2	1	0	0
Draper City	3,604	3,770	3,693	3,151
Granger-Hunter Improvement District	19,702	20,738	21,443	17,123
Herriman City	3,577	3,576	3,273	2,772
Hexcel Corporation	775	716	719	720
Kearns Improvement District	7,821	8,578	8,265	7,746
Magna Water Company	867	816	834	760
Midvale City	168	167	166	69
Riverton City	610	586	800	443
City of South Jordan	13,557	14,594	14,482	11,801
City of South Salt Lake	1,490	1,297	1,262	1,069
Taylorville-Bennion Improvement District	4,501	4,525	5,300	4,554
Utah State Department of Corrections	590	531	598	641
WaterPro, Inc. (treated)	1,152	1,890	1,382	1,009
WaterPro, Inc. (raw)	989	N/A	N/A	N/A
West Jordan City	18,538	18,124	18,226	16,119
White City Water Improvement District	0	0	0	0
Willow Creek Country Club	314	404	391	309
TOTAL WHOLESAL	79,105	82,100	82,614	69,943
Jordan Valley WCD retail area	8,596	9,356	9,465	8,716
JWCD treatment plant use & loss ^a	1,894	1,134	2,108	1,204
JWCD distribution system & other non-revenue water ^b	2,348	549	553	472
SUBTOTAL FOR DELIVERIES, USE & LOSS	92,932	93,139	94,740	80,335
Irrigation & raw water delivered				
Utah State Department of Public Safety	13	5	10	8
Welby Jacob Water Users Company	29,865	31,557	34,610	28,508
SUBTOTAL FOR IRRIGATION & RAW WATER	29,878	31,619	34,654	29,463
TOTAL DELIVERED WATER	122,810	124,758	129,394	109,798
M&I water treated or transported				
Metropolitan Water District of Salt Lake & Sandy ^c	3,369	3,212	4,967	5,379
SUBTOTAL FOR TREATED OR TRANSPORTED WATER	3,369	3,241	4,999	5,384
TOTAL WATER DELIVERED, TREATED OR TRANSPORTED	126,179	127,999**	134,393**	115,182**

*- Standby water delivery contract.

a- Treatment plant losses calculated based on plant use and evaporation for both JWTP and SERWTP. Includes SWGWP by-product flow.

b- Hydrant and main line flushing, main line breaks, leaks, reservoir cleaning and irrigation of landscaping at Jordan Valley sites. 2013/2014 includes losses that were not included in previous years.

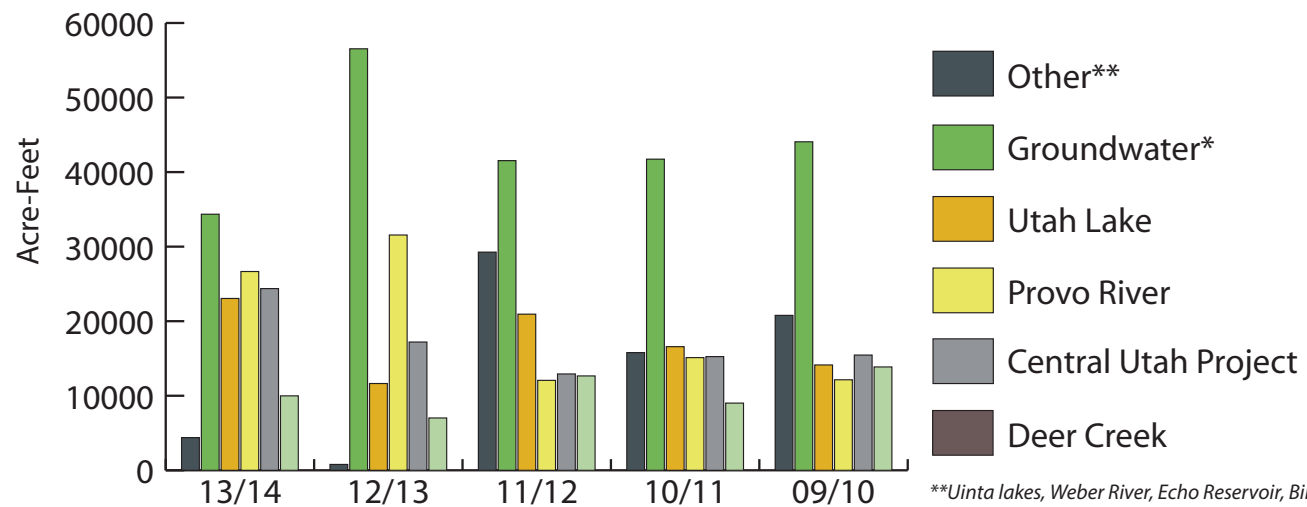
c- This total includes Jordan Valley water exchanged at 11400 South and east-side water exchanged at 2100 South.

**- Total reflects treated or transported water that is no longer shown in this report.

WS/WQ 5-YR SUPPLY HISTORY

	13/14	12/13	11/12	10/11	09/10
Deer Creek Reservoir					
Storage	4,385	788	15,846	9,581	13,222
Extra allotment	0	0	13,419	6,204	7,561
Leases and purchases	0	0	0	0	0
Temporary Provo River storage	0	0	0	0	0
Subtotals:	4,385	788	29,265	15,785	20,783
Central Utah Project	34,351	56,541	41,536	41,734	44,065
MWDSLS surplus (Ltl Ctnwd Crk)	0	0	0	0	0
Provo River	23,049	11,642	20,944	16,582	14,131
Uinta lakes	1,891	0	1,876	2,623	2,233
Weber River	839	0	0	0	673
Echo Reservoir	2,673	1,295	2,999	185	5,274
Utah Lake	26,664	31,562	12,065	15,115	12,143
Groundwater	19,294	17,206	12,924	15,250	15,457
Groundwater (SWGWTP)	5,080	N/A	N/A	N/A	N/A
Bingham Canyon WTP	3,490	3,941	3,620	3,641	3,457
Wasatch mountain streams	1,094	1,783	4,165	2,566	2,227
TOTALS: ^a	122,810	124,758	129,394	109,840	116,986

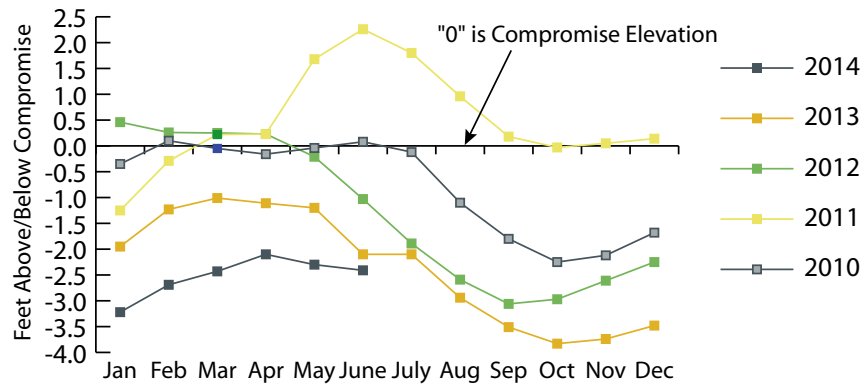
a) Does not include transported water as shown on previous page



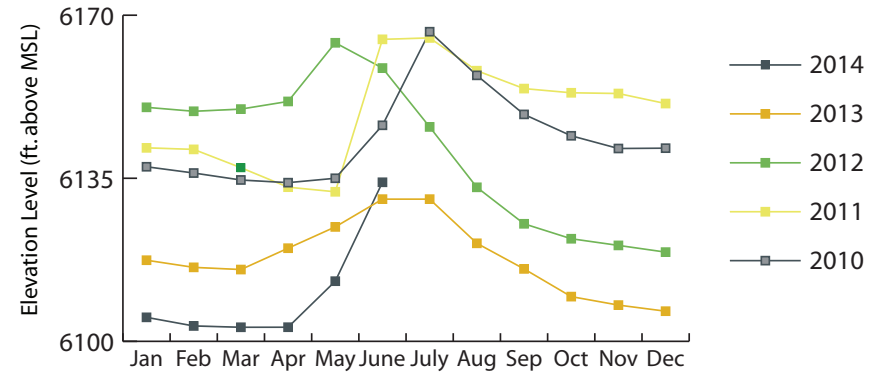
**Uinta Lakes, Weber River, Echo Reservoir, Bingham Canyon Water Treatment Plant, and Wasatch mountain streams.

*Includes SWGWTP groundwater.

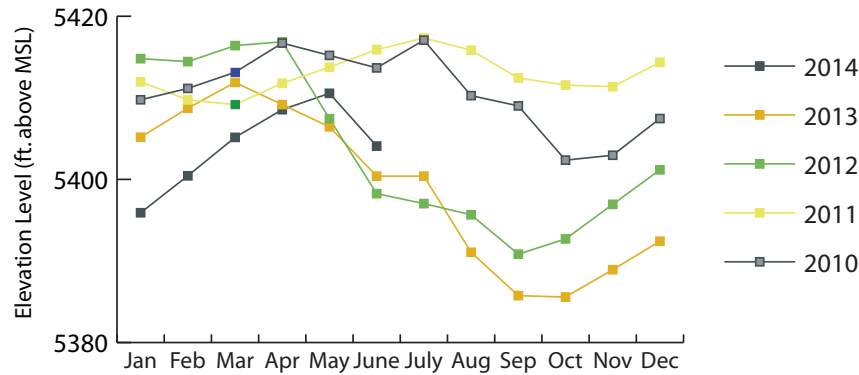
5-Year History of Utah Lake Levels

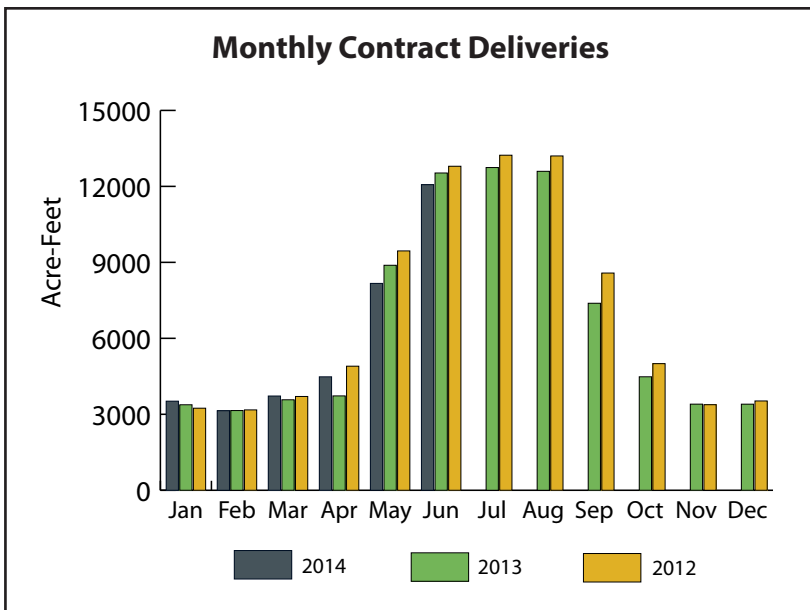
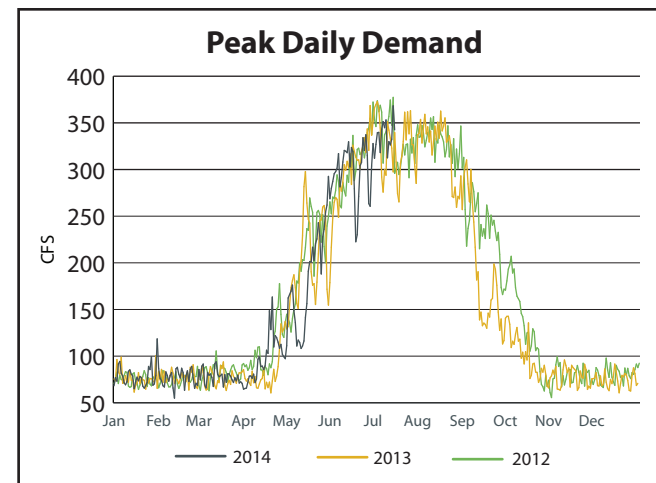
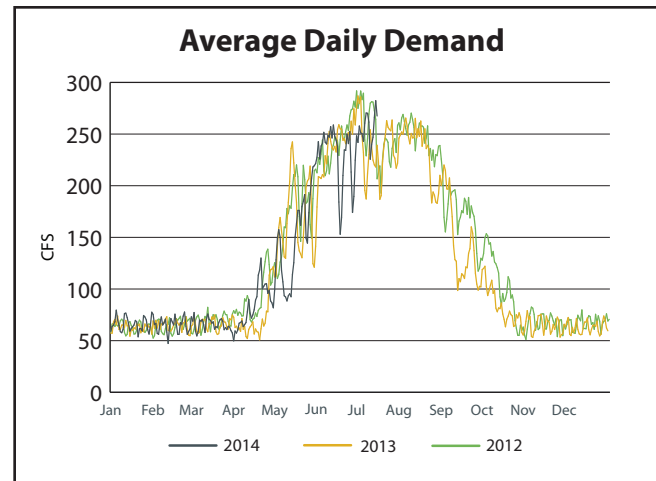
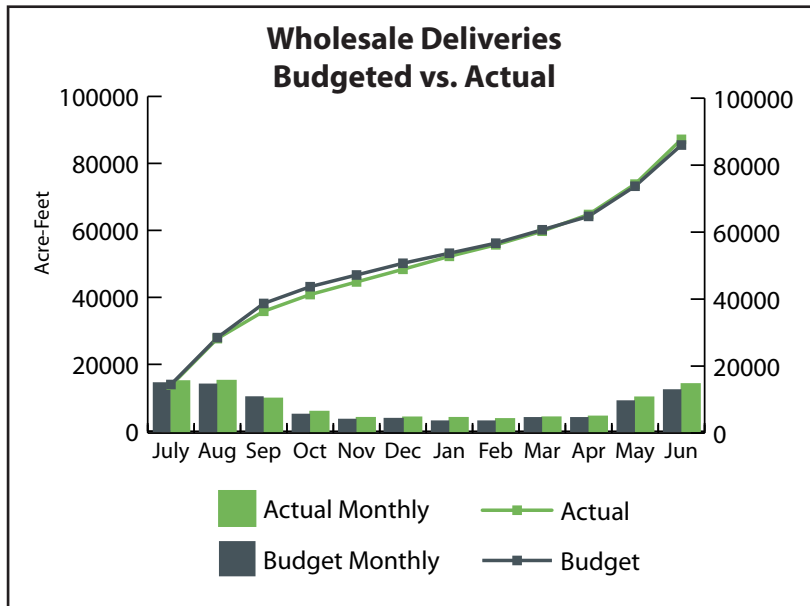


5-Year History of Jordanelle Reservoir Levels

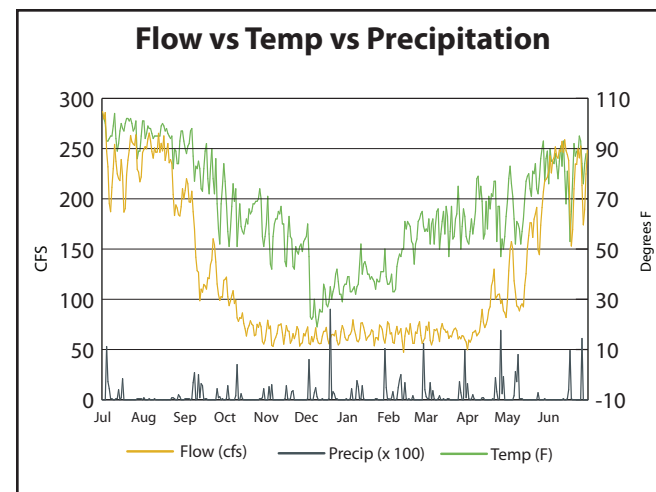


5-Year History of Deer Creek Reservoir Levels





Contract deliveries are made to Jordan Valley Water's 17 wholesale member agencies.

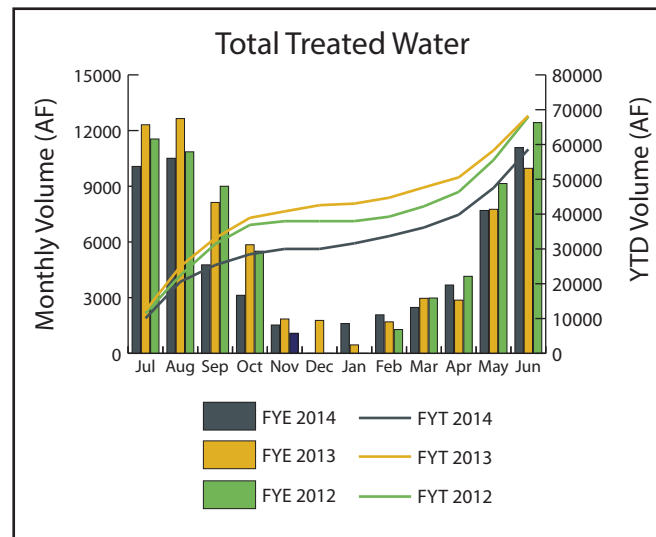


	JVWTP	SERWTP	SWGWTP	TOTALS
<u>General information</u>	<u>13/14</u>	<u>13/14</u>	<u>13/14</u>	<u>13/14</u>
Rated capacity (MGD)	180	20	7	207
Capacity using standby power (MGD)	180	20	0	200
Maximum daily effluent flow (MGD)	155	15	5	168
Average daily flow during operation (MGD)	60	9	4	73
Percent of fiscal year in operation	87	65	79	
<u>Plant production (acre-feet)</u>				
Total flow into plant	59,254	6,882	5,080	71,216
Plant use & loss	(639)	(108)	(1,147)	(1,894)
Total treated water to distribution or injected	58,614	6,774	3,933	69,322
Combined total treated water to system (acre-feet):				69,322
<u>Direct Treatment O&M costs</u>				
Personnel	\$1,285,749 ^a	\$415,275	\$291,250	\$1,992,274
Chemicals	\$1,279,615	\$175,284	\$135,331	\$1,590,230
Utilities	\$257,231	\$108,287	\$413,790	\$779,308
Other	<u>\$222,911</u>	<u>\$88,123</u>	<u>\$231,341</u>	<u>\$542,375</u>
Total treatment expenses	\$3,045,506	\$786,969	\$1,071,712	\$4,904,187
Treatment O&M cost per acre-foot	\$52	\$116	\$272	\$71

a) Personnel costs for JVWTP include operators, treatment admin, lab, compliance and maintenance staff.

Jordan Valley Water Treatment Plant

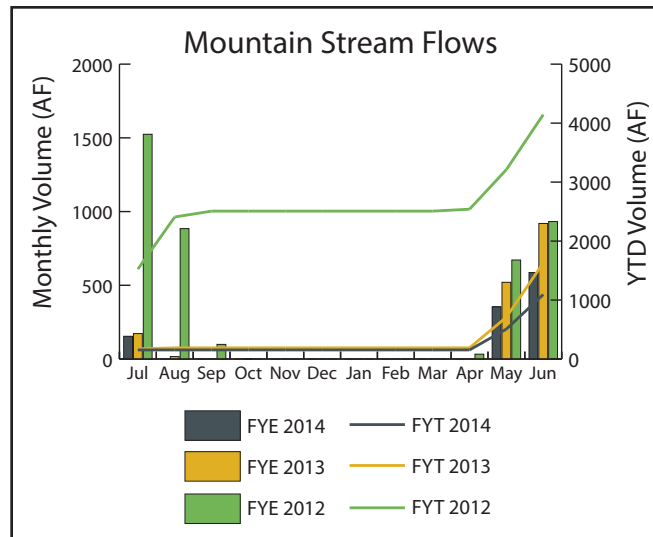
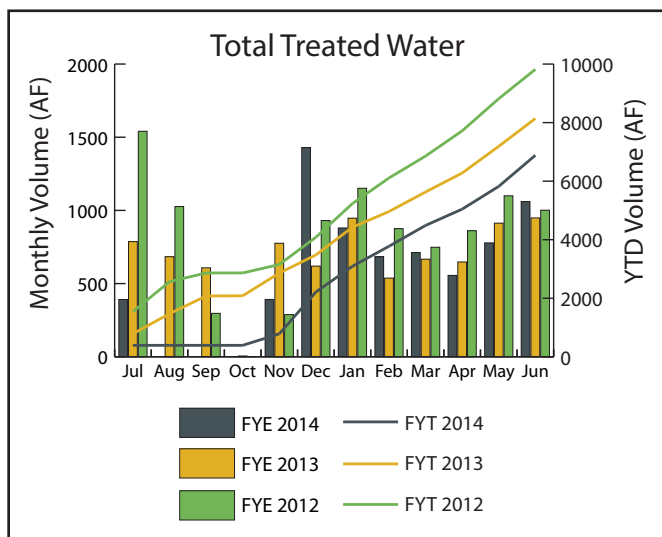
JVWTP is a conventional-process treatment plant with a rated capacity of 180 million gallons per day (MGD). Source water for the treatment plant is conveyed from the Provo River at the Olmsted Diversion, through the Jordan Aqueduct. Provo River water may also be diverted at the Murdock Diversion near the entrance of Provo Canyon, and conveyed through the Provo River Aqueduct. JVWTP is operated by Jordan Valley Water on behalf of itself and Metropolitan Water District of Salt Lake & Sandy. The plant is owned 2/7 by MWDSL and 5/7 by JVWCD.



Gaps in graph data indicate the plant was off-line.

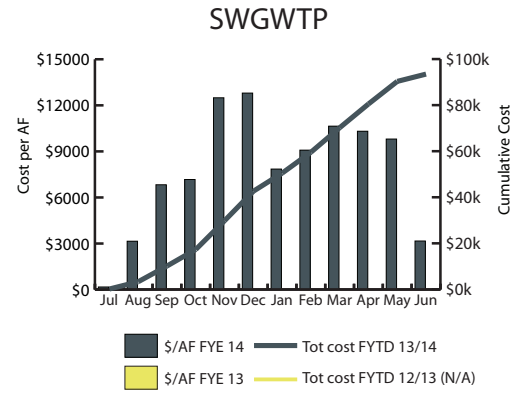
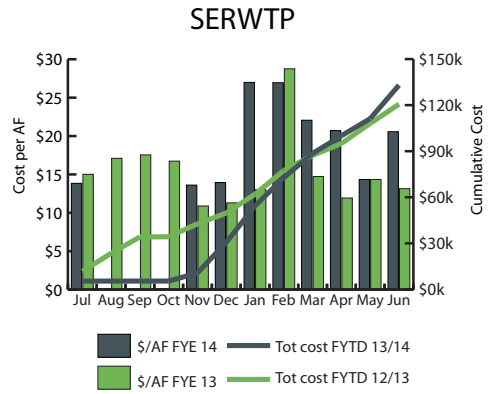
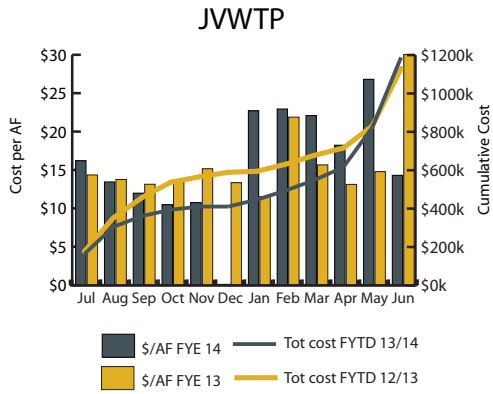
Southeast Regional Water Treatment Plant

With a rated capacity of 20 MGD, SERWTP uses a unique process of high rate clarification to quickly settle suspended solids. The source water for the treatment plant is obtained from multiple sources. A portion of the water is conveyed through the Salt Lake Aqueduct, with the intake located at the base of Deer Creek Dam. The remaining portion of source water comes from snow pack runoff collected into the Draper Diversion from five mountain streams: South Fork, Middle Fork, Bells Canyon, Rocky Mouth, and Big Willow.

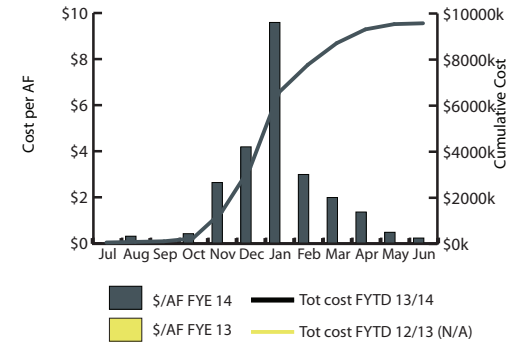
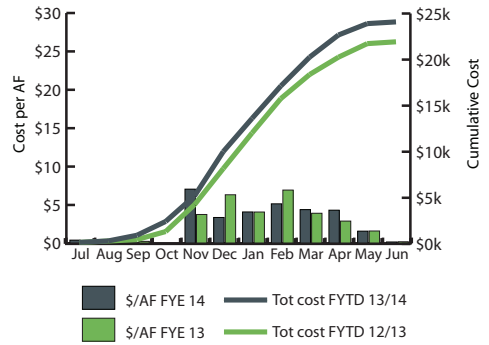
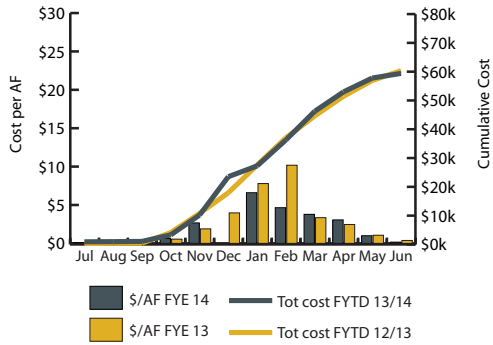


Gaps in graph data indicate the plant was off-line.

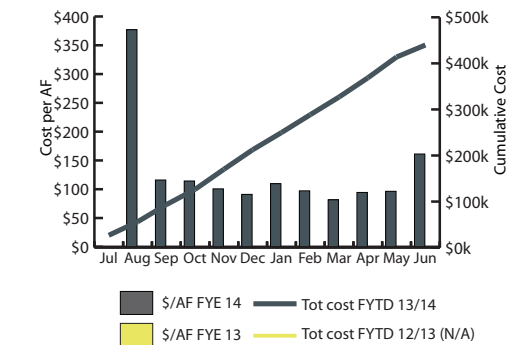
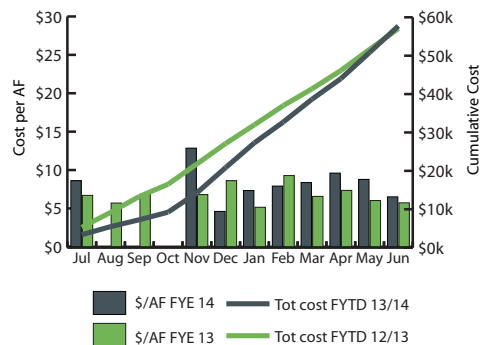
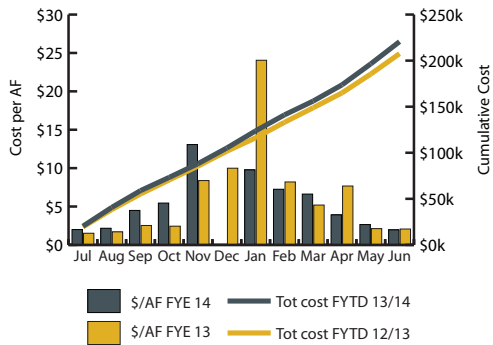
Chemical Costs



Natural Gas Costs



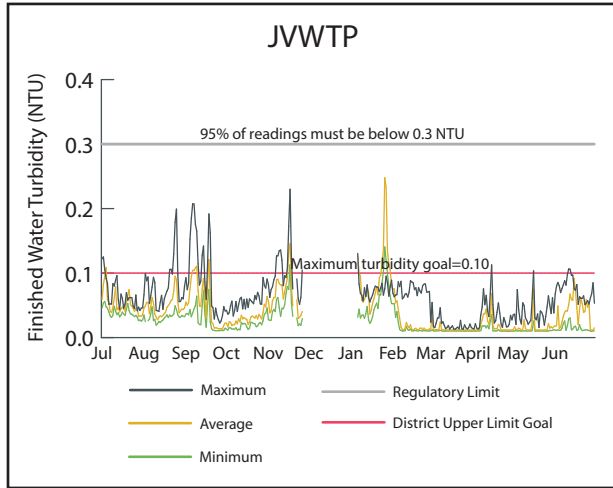
Power Costs



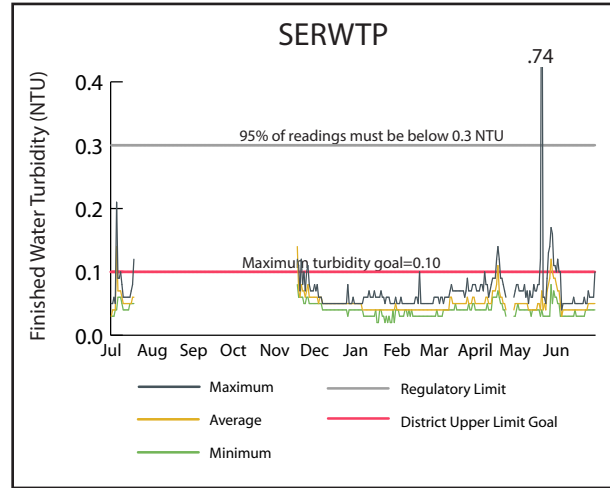
TREATMENT

COSTS

Turbidity

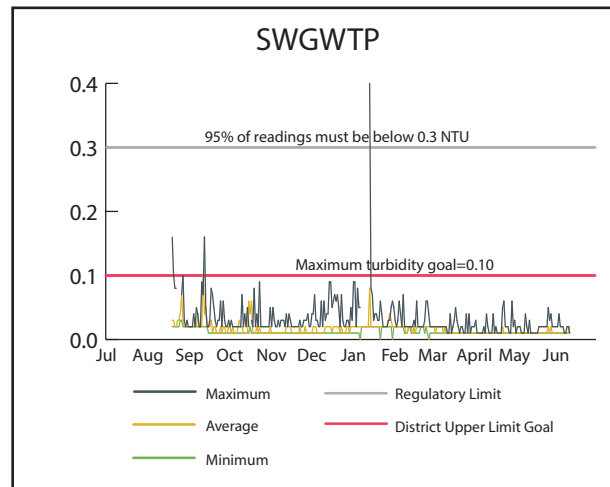


Avg finished water turbidity for the year:	0.04 NTU
Maximum finished water turbidity:	0.23 NTU
Goal achieved for the year:	89.2%
Best record for days in operation under 0.10 NTU:	432
Days of operation below 0.10 NTU:	18



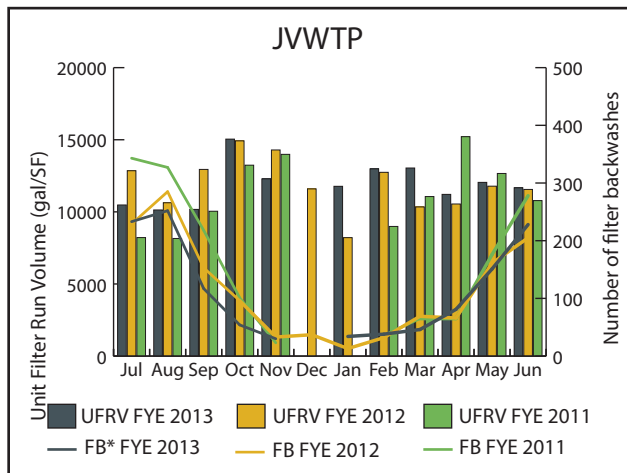
Avg finished water turbidity for the year:	0.05 NTU
Maximum finished water turbidity:	0.74 NTU
Goal achieved for the year:	92%
Best record for days in operation under 0.10 NTU:	732
Days of operation below 0.10 NTU:	218

Current regulations for surface water require combined effluent turbidity to be below 0.3 NTU 95 percent of the time, and to never exceed 1.0 NTU. There are also requirements for individual filters. The Partnership for Safe Water has set a finished water turbidity goal of 0.1 NTU, which JWVTP and SERWTP have adopted and typically meet.

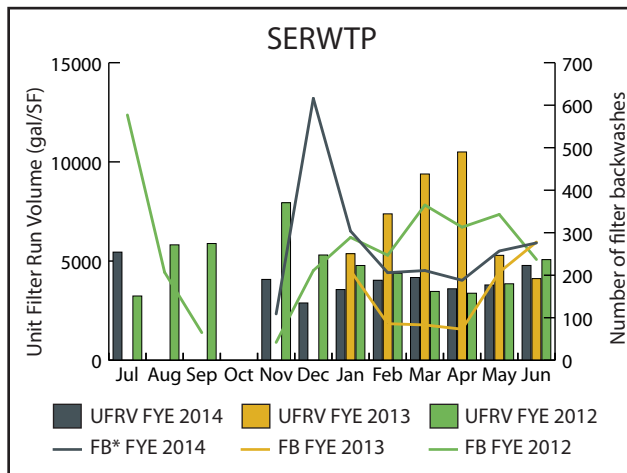


Avg finished water turbidity for the year:	0.03 NTU
Maximum finished water turbidity:	0.40 NTU
Goal achieved for the year:	98.0%
Best record for days in operation under 0.10 NTU:	N/A
Days of operation below 0.10 NTU:	283

Filter Performance



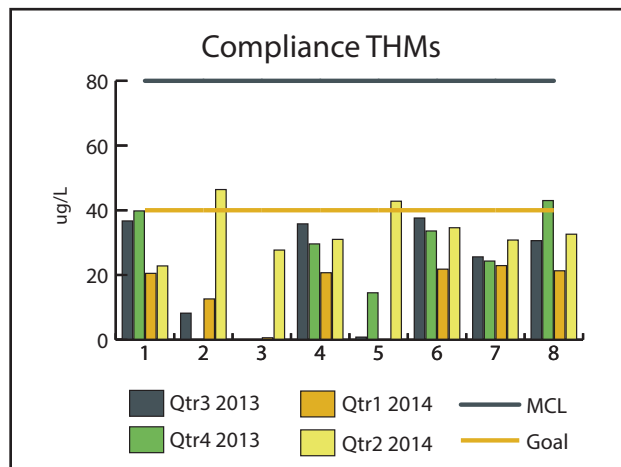
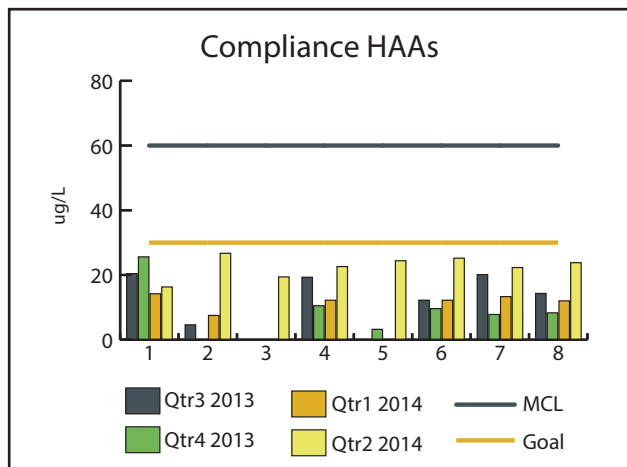
FYE 2014 average UFRV: 11,894 gal/sf *FB=filter backwashes
 FYE 2013 average UFRV: 11,868 gal/sf
 FYE 2012 average UFRV: 11,235 gal/sf



FYE 2014 average UFRV: 7,008 gal/sf *FB=filter backwashes
 FYE 2013 average UFRV: 4,829 gal/sf
 FYE 2012 average UFRV: 5,209 gal/sf

Unit Filter Run Volume (UFRV) is a measure of the volume of water per area of filter as a means to determine filter efficiency. Typically a UFRV of 5000 gal/SF or more is considered good. Operations personnel are currently working several filter surveillance projects to improve overall efficiency at both the JVWTP and SERWTP. The graphs below also show a comparison of the average number of filter backwashes per month. Typically higher UFRVs will correspond to fewer backwashes unless the filter becomes inefficient due to process disruptions, water quality, or other contributing factors.

DBP Compliance



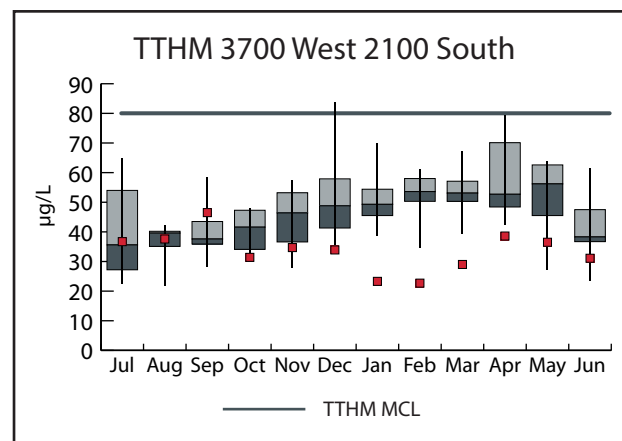
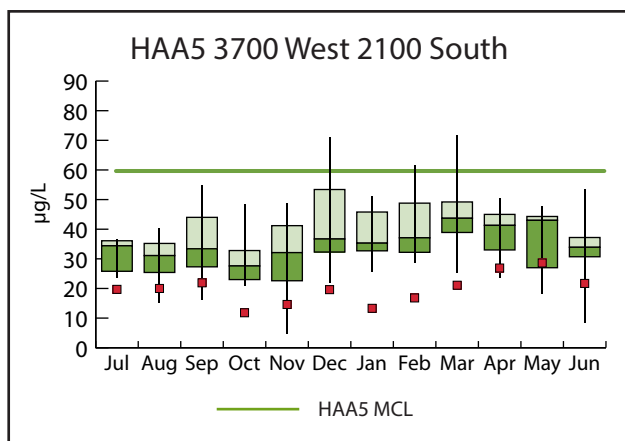
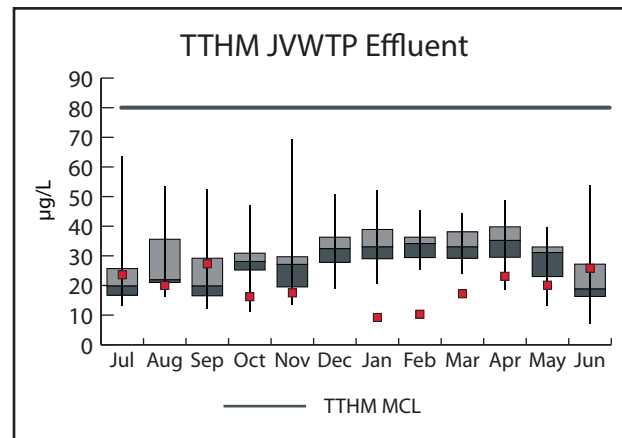
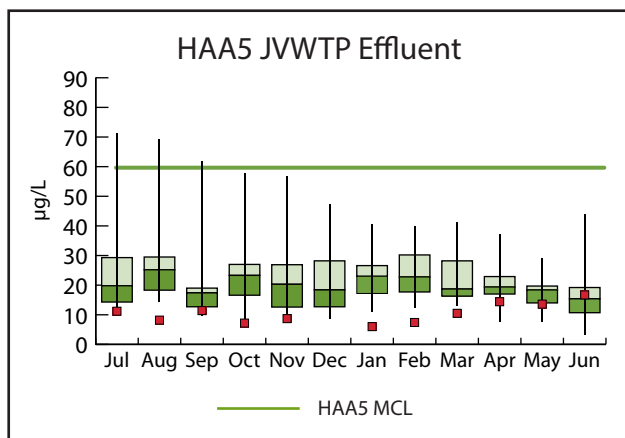
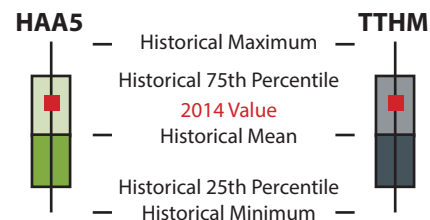
The Stage 2 DBP Rule requires Jordan Valley Water to be below the MCL for THMs and HAAs at each of eight representative sties in the distribution system. However, JVWCD has established a more stringent goal of staying lower than 50 percent of the MCL at each location.

- TESTING LOCATIONS:**
- 1- 13800 S. Pony Express Rd.
 - 2- 700 W. 11400 South
 - 3- 10730 S. 1300 East
 - 4- 3700 W. 2100 South
 - 5- 3610 S. 1000 West
 - 6- 6000 W. 4700 South
 - 7- 5700 W. 10200 South
 - 8- 13953 S. Lookout Peak Dr.

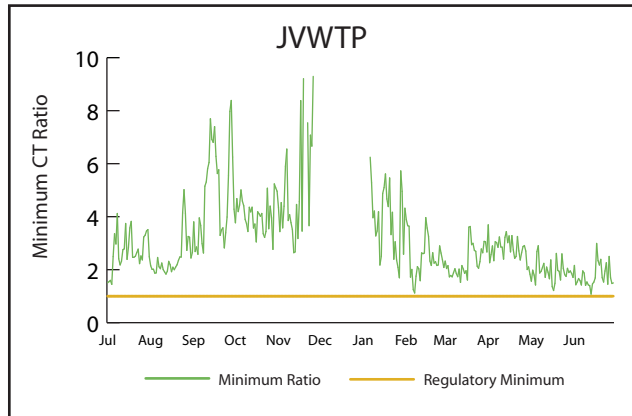
Effect of Chlorine Dioxide on DBPs

Disinfection-By-Products (DBPs) are formed when a disinfectant, such as chlorine, is in contact with naturally occurring organic matter in water. DBP levels generally continue to increase as the water travels out into the distribution system and into the consecutive systems of our member agencies. Though there is no MCL for DBPs leaving a treatment plant, the Treatment Department has established a goal of 40 ug/L for TTHMs and 30 ug/L HAA5 leaving the effluent of both treatment plants. The ability to use chlorine dioxide as the primary disinfectant came online at JWTP in March 2012. This disinfection enhancement lowers the DBP formation within the plant and therefore

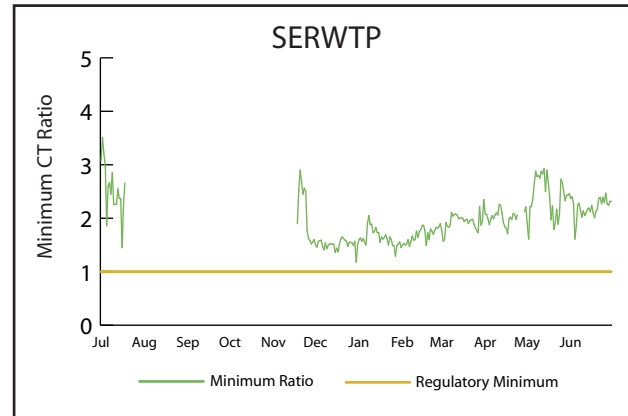
helps our member agencies comply with DBP requirements in their systems.



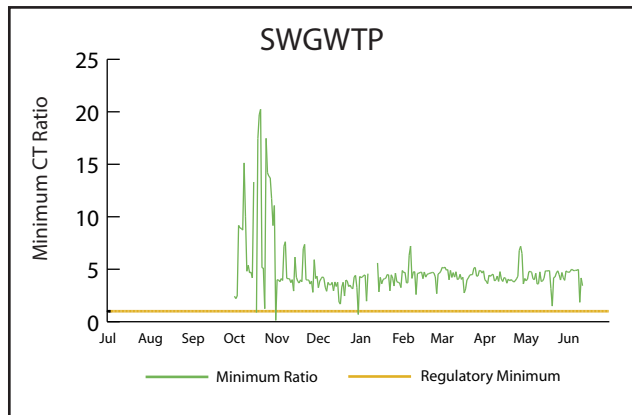
Minimum CT Ratio



Average CT ratio for the year: 3.08
 Minimum CT ratio for the year: 1.08



Average CT ratio for the year: 2.01
 Minimum CT ratio for the year: 1.18



Average CT ratio for the year: 4.78
 Minimum CT ratio for the year: 0.13

Chlorine Disinfection

Concentration x time (CT) is a measure of disinfection effectiveness which varies with water temperature, pH and disinfectant. Current regulations require sufficient CT to achieve 99.9 percent inactivation of Giardia and 99.99 percent inactivation of viruses. Compliance is determined by a CT ratio which compares the amount of CT achieved to the amount required. A minimum CT ratio of 1.0 and a chlorine residual of 0.2 mg/L is required.

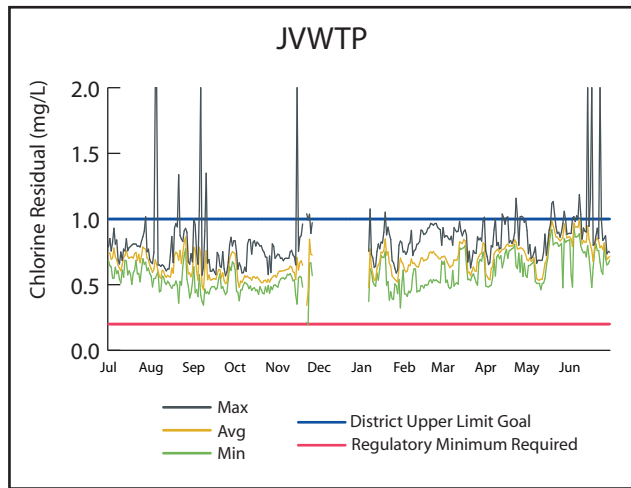
Total Coliform Rule & Chlorine Residuals

The overall quality of the water provided by Jordan Valley Water Conservancy District to its customers is governed by compliance to the Safe Drinking Water Act and its components.

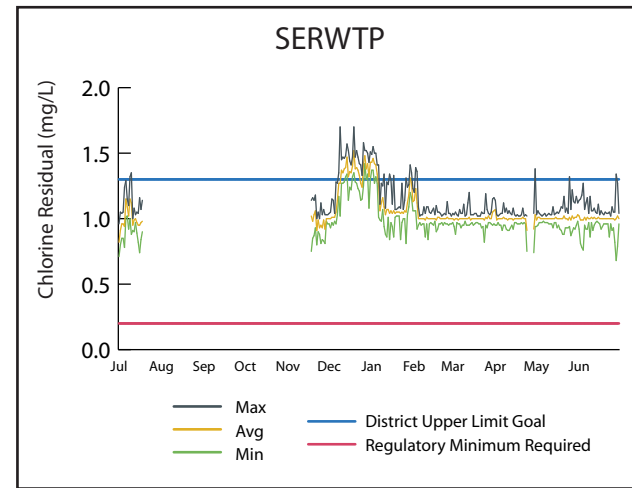
Month	Samples analyzed*	% Samples total coliform positive	# Samples fecal coliform positive	# HPC Samples Taken	#GWR Samples Taken	Free Chlorine Residual		
						Avg (mg/L)	Max (mg/L)	Min (mg/L)
July	103	0	0	2	55	0.47	1.29	0.01
August	99	0	0	6	7	0.38	0.96	0.02
September	107	0	0	11	14	0.35	1.01	0.00
October	111	0	0	5	0	0.48	0.94	0.01
November	104	0	0	11	5	0.50	1.17	0.00
December	108	0	0	0	0	0.64	1.62	0.06
January	118	0	0	11	0	0.66	1.47	0.00
February	124	0	0	1	0	0.74	1.42	0.01
March	132	0	0	0	0	0.73	1.19	0.21
April	113	0	0	0	0	0.73	1.37	0.24
May	122	0	0	0	0	0.71	1.17	0.01
June	119	0	0	8	0	0.65	1.25	0.00
Totals	1360	0	0	55	81			

* The number of samples collected and tested depends on the population served.

Chlorine Residual



Average residual for the year: 0.68 mg/L
 Maximum residual: 2.00 mg/L
 Minimum residual: 0.20 mg/L
 Goal achieved for the year: 96%



Average residual for the year: 1.05 mg/L
 Maximum residual: 1.88 mg/L
 Minimum residual: 0.60 mg/L
 Goal achieved for the year: 96%

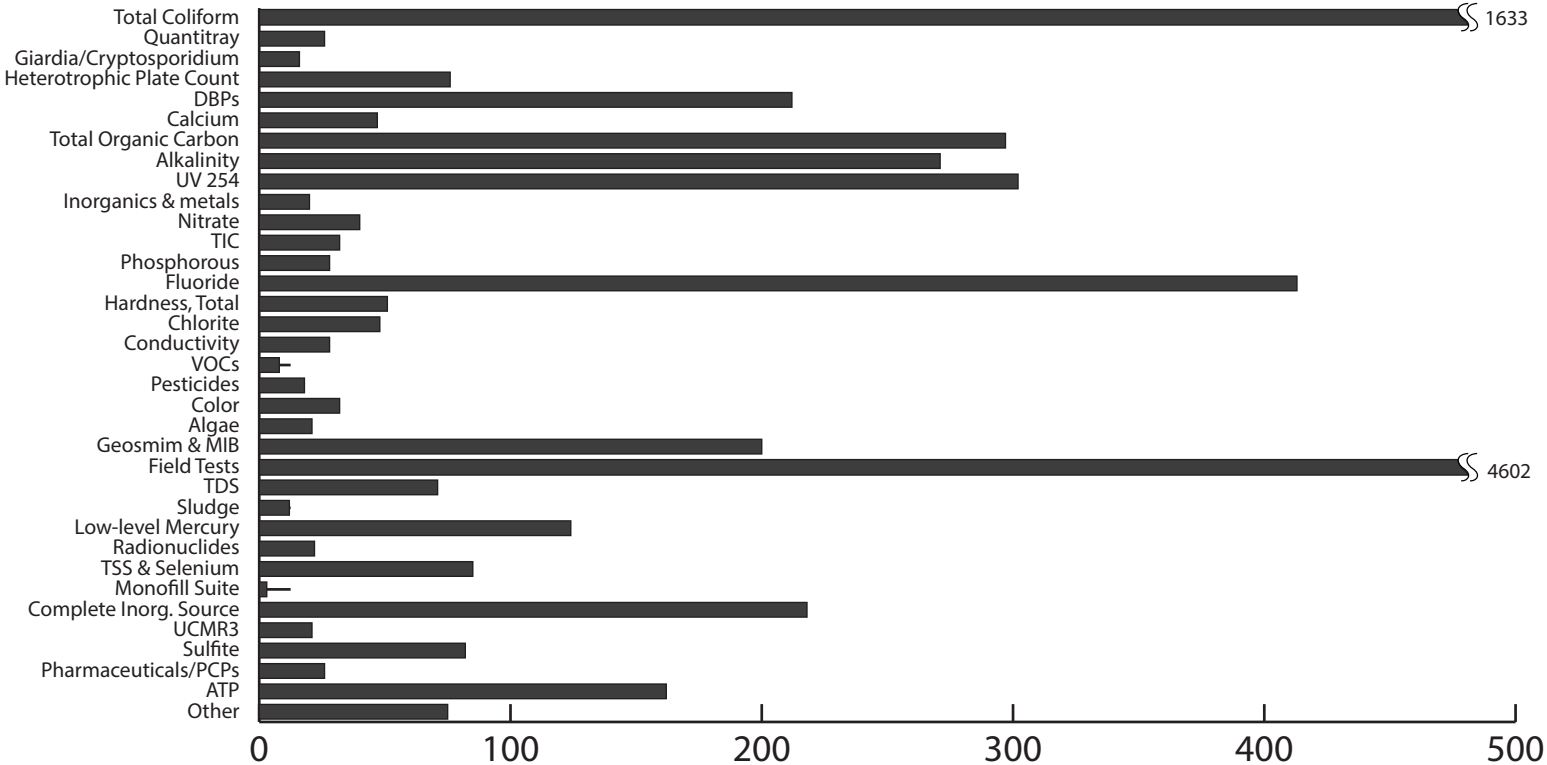
Total Samples Collected

Sampling sites include JWWT, SERWTP, SWGWTP, distribution system, mountain streams, Jordan & Provo Rivers, and various sites in response to customer calls.

Total samples collected for FYE 2014: 9,322

Data includes samples collected by Operations and Compliance Section personnel.

- Wet Chemistry = pH, Alkalinity, Conductivity, Turbidity, TDS, Hardness, Color.
- Radionuclides = Radium 226 & 228, Gross Alpha, Gross Beta.
- "Other" = Nitrite sample for injection activity and sludge sample.



FLUORIDE

TREATMENT

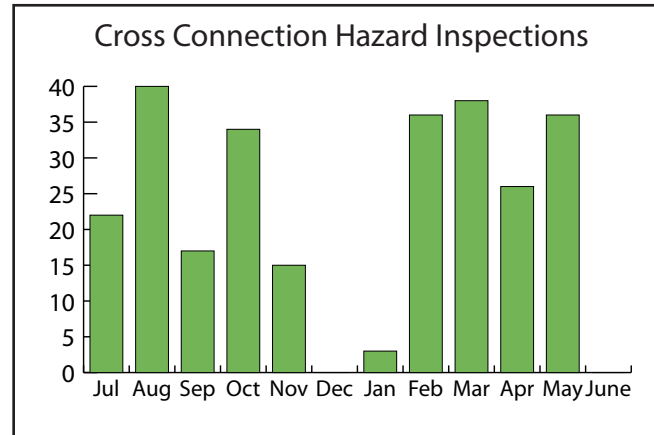
Monthly Average	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	AVG	
On-line Analyzers	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	
JVWTP	0.70	0.76	0.84	0.82	0.85	*	0.77	0.78	0.76	0.76	0.77	0.79	0.78	
SERWTP	0.70	0.62	0.60	0.59	0.70	0.68	0.68	0.67	0.66	0.63	0.62	0.64	0.65	
SWGWTP	*	**	**	0.72	0.65	0.64	0.66	0.64	0.63	0.62	0.65	0.66	0.65	
1145 E. Webster Dr. Well	*	*	*	*	*	*	*	*	*	*	*	*	*	
1453 E. 9400 S. Well	0.82	0.79	0.76	0.79	0.77	0.84	*	*	ANW	**	*	*	0.79	
1500 E. 8600 S. Well	0.64	0.67	0.66	0.69	0.68	0.82	0.60	0.47	0.53	0.56	0.57	0.43	0.61	
1850 E. Newbury Dr. Well	0.70	0.73	0.75	*	*	*	**	*	*	0.82	0.81	*	0.76	
Well Field Collection Station	No Mix	ANW	0.57	0.35	0.56	0.68	0.50	0.52	ANW	0.44	0.38	0.38	0.49	
275 E. Carol Way Well	**	*	*	*	*	*	*	*	*	*	*	*	*	
1028 E. College St. Well	*	*	*	*	*	*	*	*	*	*	*	*	*	
4670 S. 1590 E. Well	**	**	**	**	*	*	*	*	*	*	*	*	*	
1364 E. 6400 S. Well	0.81	0.84	0.84	0.81	*	0.81	0.83	*	*	*	*	0.97	0.85	
8574 S. Moniter Dr. Well	*	*	*	*	0.77	0.87	0.95	*	*	*	*	*	0.87	
1330 E. 8200 S. Well	0.76	0.80	0.87	**	0.88	0.79	0.80	*	*	*	*	*	0.82	
1300 E. 7000 S. Well	0.51	0.49	0.64	0.70	0.72	0.81	0.59	0.42	0.45	0.59	0.58	0.55	0.59	
9390 S. Solena Way Well	*	*	*	*	*	*	*	*	*	*	*	*	*	
1100 E. 4500 S. Well	0.46	**	**	**	*	*	*	*	*	*	*	*	0.46	
10730 S. 1300 E. Pump Sta.	0.59	0.60	0.56	0.73	0.74	0.76	0.56	0.51	0.60	0.65	0.65	0.62	0.63	
250 E. 11400 S.	0.58	0.61	0.55	0.63	0.74	0.73	0.58	0.48	0.58	0.63	0.64	0.65	0.62	
1200 E. 9400 S.	0.19	0.26	0.48	0.62	0.70	0.83	0.70	0.43	ANW	0.58	0.45	0.32	0.50	
8200 S. 1300 E.	0.74	0.84	0.85	0.73	0.67	0.66	0.57	0.44	0.55	0.61	0.53	0.50	0.64	
300 E. 4500 S.	0.37	0.36	0.43	0.50	0.82	0.78	0.71	0.65	0.64	0.74	0.72	0.73	0.62	
9000 S. on JA-2	0.67	0.58	0.77	0.73	0.75	0.72	0.69	0.78	0.75	0.80	0.79	0.74	0.73	
Terminal Reservoir	0.78	0.74	0.74	0.78	0.78	0.74	0.76	0.75	0.75	0.75	0.75	0.72	0.75	
3200 W. 6200 S.	0.80	0.73	0.78	0.71	0.80	0.75	0.70	0.67	0.70	0.75	0.75	0.75	0.74	
Pony Express Vault	0.65	0.60	0.66	0.68	0.73	0.67	0.75	0.74	0.70	0.77	0.68	0.63	0.69	
Grab Samples														
2310 Alta Canyon Dr.	0.54	0.77	0.59	0.86	0.81	0.98	0.88	0.64	0.56	0.62	0.59	0.38	0.69	
2640 Wren Road	0.68	0.71	0.64	0.80	0.74	0.71	0.74	0.76	0.77	0.72	0.60	0.63	0.71	
1348 E. 5360 S.	0.49	0.67	0.85	0.68	0.83	0.89	0.73	0.57	0.62	0.63	0.64	0.82	0.70	
6565 S. 1300 W.	0.89	0.80	0.98	0.68	0.84	0.59	0.83	0.86	0.69	0.64	0.63	0.76	0.76	
Monthly System Avg	0.64	0.66	0.70	0.69	0.75	0.76	0.71	0.62	0.64	0.67	0.64	0.63		
													YTD Combined System AVG	0.68

Notes: Bolded values represent sites and/or fluoride feeders that were offline at various times throughout the month, yet representative of system water, so they are included as a monitoring site.
 *= well or site offline, **= well online but fluoride feed off, ANW = Analyzer Not Working.

Cross Connection Hazard Surveys Completed

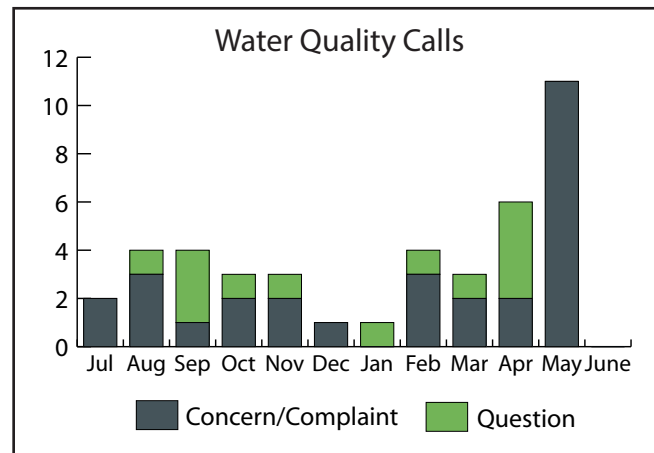
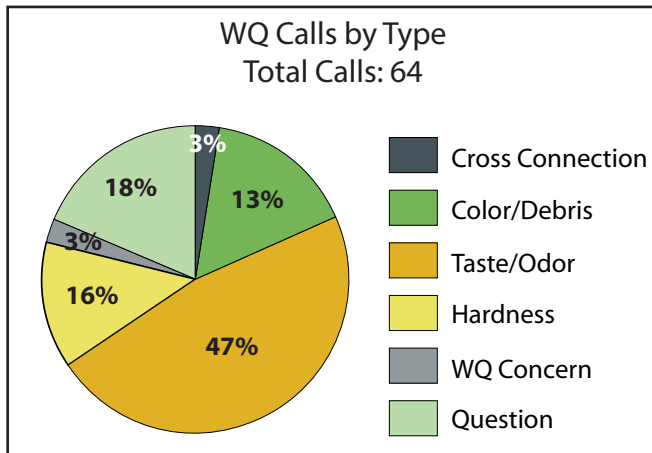
The District has an active cross connection control program. This program includes onsite inspections of industrial sites as well as the tracking of backflow device testing and public education. Below is a summary of this program's activities.

Annual Inspection Schedule		
Facility Type	# of Locations	Frequency
Jordan Valley Water facilities	68	1-5 years
Water treatment plants	3	
Well houses	35	
Pump stations	13	
Reservoirs	17	
Backflow assemblies tested	78	Annually
Commercial & Non-residential	1736	1-5 years
Actions Completed FYTD		
Inspections completed	267	
Backflow test reports received	533	



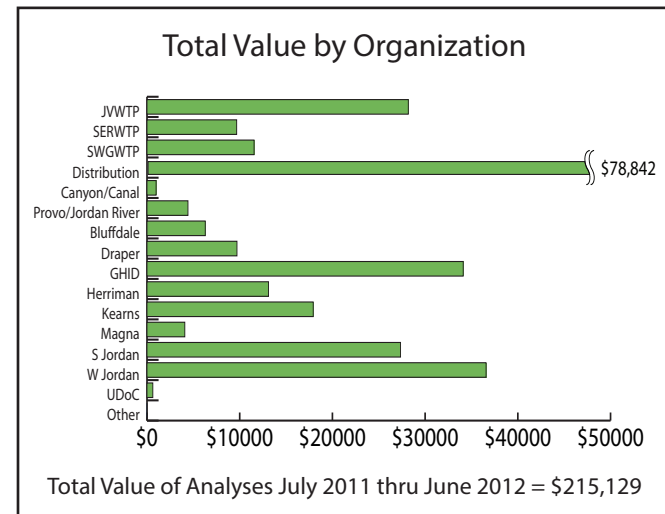
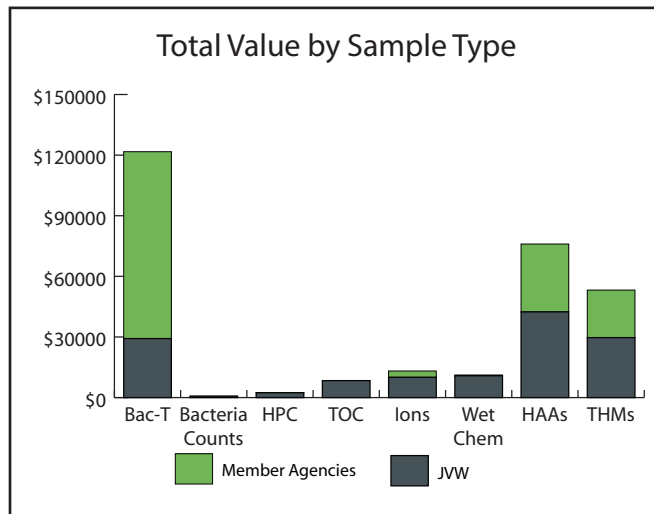
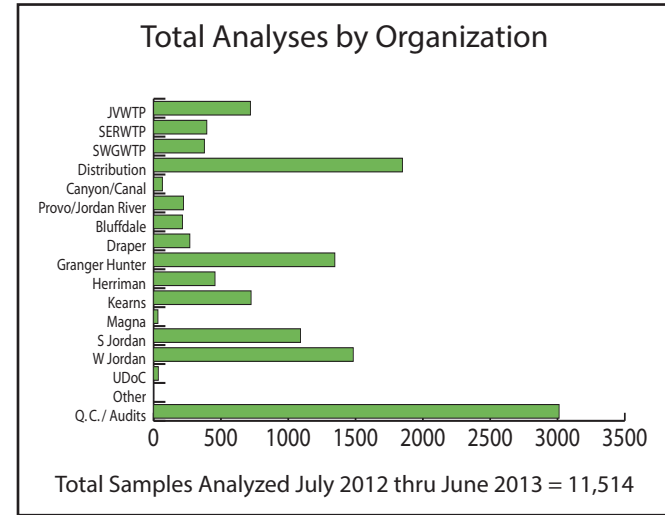
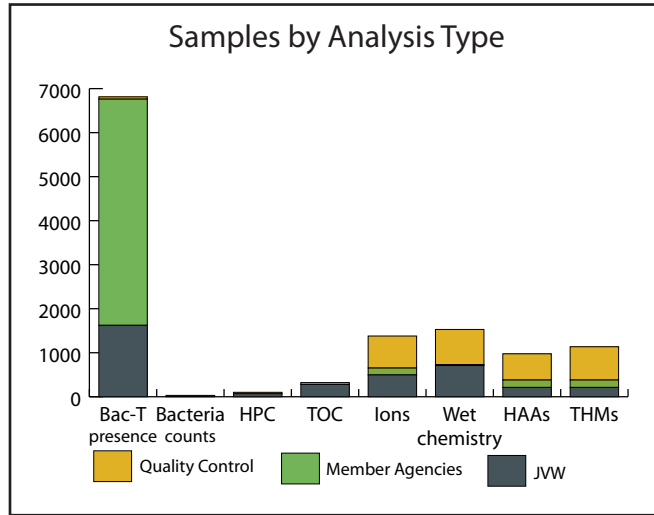
Customer Call Data

The public perceives water quality as the look, taste and feel of the water. The experience a resident receives when he calls in with a concern, question or complaint about the water determines the District's credibility in the community. These calls are logged and tracked in a database which allows us to determine response time and trends. A summary of the types of calls received is below.

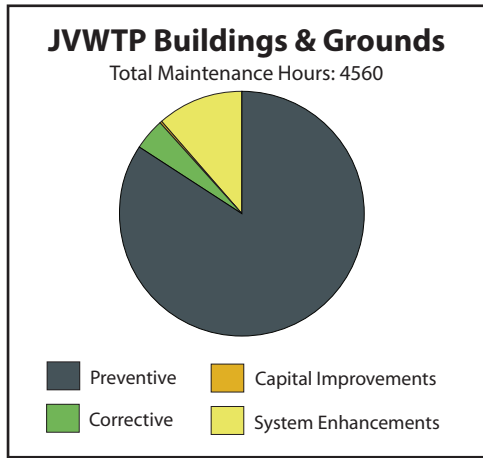
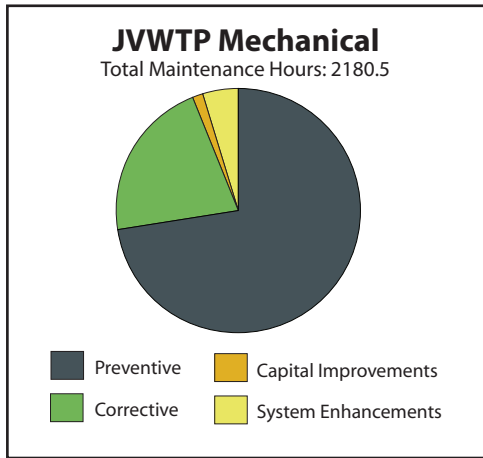


The Laboratory (Lab) provides analysis services and general support for several departments of the District. This allows the District to lower the budget required for outside analysis and provide customized service. While it is not feasible for the Lab to run every test required for the District's various monitoring programs, it does maintain

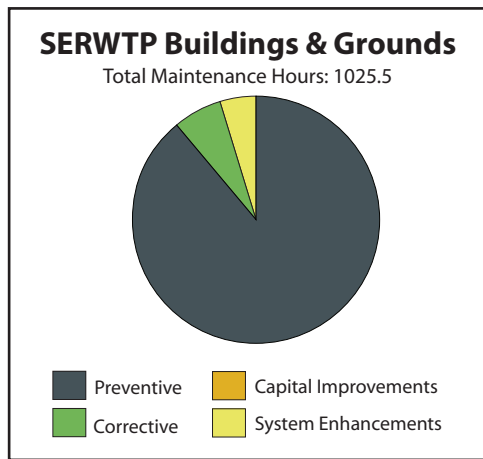
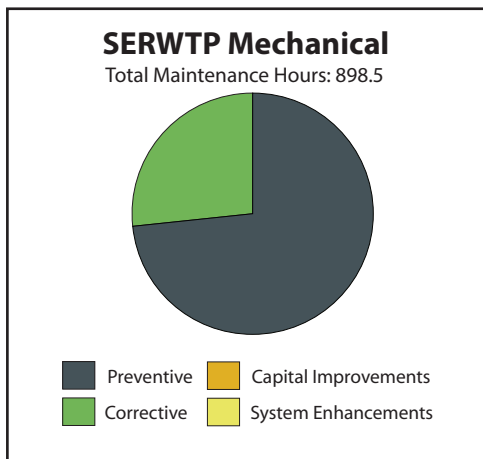
certification for the analyses that represent the largest load. The Lab also provides analytical services for many of the District's member agencies at discounted prices.



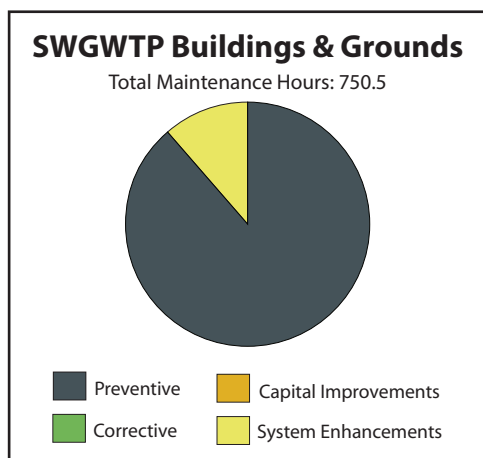
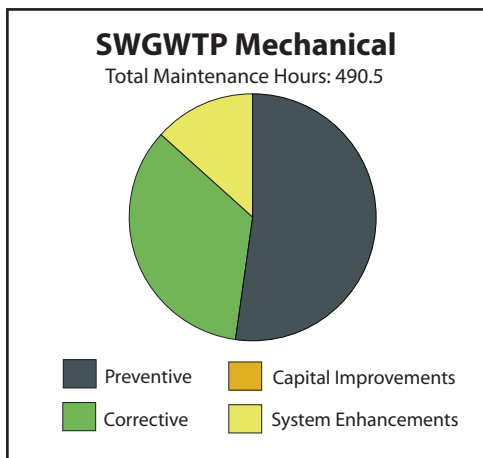
JVWTP



SERWTP



SWGTP



Optimizing maintenance is a primary goal for the Treatment Department. The objective of increasing preventive maintenance and improving the reliability of all equipment is to reduce the risk and liability of safety concerns, maintain an adequate inventory and reduce overtime.

WELLS

DISTRIBUTION

	Location	Well Capacity (cfs)	Flow rate w/standby generation (cfs)	Avg Flow Rate (cfs)	Days of Operation	2013-14 Annual Production (AF)	2012-13 Annual Production (AF)	2011-12 Annual Production (AF)	Total Power Cost	Average Cost/AF	Water Level (feet above pump)		
											Max	Min	Avg
1	2500 E. Creek Rd	5.35		2.66	87.30	460.00	1,367.50	1,990.80	\$ 30,273.70	\$ 65.81	52	49	50
2	1787 E. Creek Rd	5.01			0	0	0	0	\$ 2,230.99	\$ 0.00	103	103	103
3	7751 S. 1300 East	4.01		2.50	121.50	583.60	360.30	140.30	\$ 46,373.59	\$ 79.46	80	55	74
4	7750 S. 1000 East	3.11		2.10	93.40	386.20	95.80	28.40	\$ 33,848.03	\$ 87.64	114	77	102
5	8200 S. 1000 East	2.01			0	0	0	0	\$ 0.00	\$ 0.00	98	91	94
6	7700 S. 700 East	5.57		3.40	51.00	340.50	464.50	586.80	\$ 27,046.32	\$ 79.43	116	108	112
7	8201 S. 700 East	2.23		1.92	118.60	442.10	201.00	127.90	\$ 31,382.39	\$ 70.98	133	113	119
8	1200 E. 9400 South	1.78			0	0	0	0	\$ 1,895.81	\$ 0.00	91	84	88
9	1364 E. 6400 South	6.00		3.49	161.10	1,103.10	1,723.50	1,724.90	\$ 61,102.86	\$ 55.39	93	63	80
10	8651 S. 1300 East	4.00			0	0	0	0	\$ 263.77	\$ 0.00	83	83	83
11	8184 S. 1330 East	7.00		6.94	171.90	2,363.90	1,706.80	260.70	\$ 167,907.37	\$ 71.03	121	94	104
12	1307 E. 6860 South	4.70			0	0	0	0	\$ 1,320.52	\$ 0.00	N/A	N/A	N/A
13	9125 S. 500 West	2.01			0	0	0	0	\$ 1,174.20	\$ 0.00	90	90	90
14	2090 E. 8600 South	2.45			0	0	0	0	\$ 2,139.33	\$ 0.00	56	56	56
15	1500 E. 9400 South	9.50		9.35	175.30	3,219.70	268.30	0	\$ 241,182.98	\$ 74.91	86	71	81
16	1530 W. 14600 South	4.46		3.30	93.40	614.20	168.30	0	\$ 35,762.42	\$ 58.23	73	56	64
17	300 E. 4500 South	0.70			0	0	0	0	\$ 773.54	\$ 0.00	117	117	117
18	9390 S. Solena Way	4.80			0	0	34.40	0	\$ 488.59	\$ 0.00	68	65	66
19	2300 E. 9800 South	4.12		3.21	91.70	583.10	291.70	6.30	\$ 64,789.09	\$ 111.11	88	63	75
20	1155 E. Webster Dr.	6.50		7.89	1.10	16.80	323.90	31.10	\$ 18,921.50	\$ 1,126.28	69	55	64
21	9003 S. Quail Hollow	2.20		2.13	76.60	323.10	724.00	609.90	\$ 32,141.31	\$ 99.48	124	91	104
22	1600 E. Siesta Drive	9.60		6.91	99.80	1,344.00	4,404.80	1,779.20	\$ 104,600.40	\$ 77.83	115	84	92
23	1526 E. 8600 South	8.50		8.47	105.70	1,767.90	498.70	32.70	\$ 143,760.51	\$ 81.32	109	94	102
24	8518 S. 960 East	6.00		5.50	73.20	803.60	1,033.80	1,581.90	\$ 59,038.46	\$ 73.47	117	80	100
25	1159 E. 4500 South	2.20		1.32	120.10	316.20	365.00	217.20	\$ 22,594.64	\$ 71.46	142	122	126
26	1850 E. Newbury Dr.	8.90		5.62	116.00	1,296.70	415.90	238.60	\$ 134,037.20	\$ 103.37	95	37	66
27	275 E. Carol Way	2.89		1.53	17.20	53.90	0	0	\$ 11,263.10	\$ 208.96	224	211	217
28	4670 S. 1590 East	3.78		2.76	97.00	517.90	151.70	0	\$ 30,589.96	\$ 59.07	264	256	262
29	1028 E. College Dr.	4.01			0	0	0	0	\$ 1,650.65	\$ 0.00	231	231	231
30	1784 E. Creek Rd	7.13		6.66	82.30	1,085.30	3,204.90	1,803.40	\$ 89,035.96	\$ 82.04	230	202	222
31	8578 S. Moniter Dr.	8.00		8.21	59.20	964.40	0	1,398.40	\$ 73,084.87	\$ 75.78	83	47	56
32	Prison Well*	0.89		0.65	188.00	249.92	252.34	224.56	\$ **	\$ *	N/A	N/A	N/A
Totals/Averages:		148.52	N/A	4.56	95.88	18,586.20	17,804.80	12,557.50	\$ 1,470,674.06	\$ 78.48			

*Owned by the Utah State Department of Corrections (not included in Totals/Avgs). Power costs paid by the Utah State Department of Corrections.
 Note: Cost per AF and water levels are a fiscal year average; all information based on a "power read" month.

DISTRIBUTION BOOSTER PUMPS

	Location	Current Capacity (cfs)	Flow rate w/standby generation (cfs)	Total Horse-power	Average Dynamic Lift (feet)	Average Flow Rate (cfs)	2013-14 Annual Production (AF)	2012-13 Annual Production (AF)	2011-12 Annual Production (AF)	Total Power Cost	Average Cost/AF	Days in Operation
1	4706 Naniloa Drive	12		300	N/A		0	0	0	\$1,174.94	\$0.00	0
2	4500 S. 4800 West	49	10.5	1625	200	13.18	3,891.40	4,122.90	3,065.10	\$97,191.86	\$24.98	260
3	6200 S. 3200 West	46	13.8	1500	180	14.79	8,590.60	13,369.60	13,257.30	\$180,425.74	\$21.00	337
4	3600 W. 10200 South	45		1900	350	7.43	6,374.40	5,552.20	4,221.90	\$309,135.83	\$48.50	365
5	5700 W. 10200 South	22		750	240	5.18	3,688.62	2,430.70	1,274.70	\$114,759.43	\$31.11	343
6	5820 S. 3800 West	25		650	180	9.95	976.10	3,315.00	2,869.80	\$31,939.80	\$32.72	85
7	110 E. 11400 South	24	5.0	1200	320	8.65	84.10	857.20	749.20	\$7,615.12	\$90.55	13
8	11574 S. 2580 East	4		170	260		0	0	0	\$0.00	\$0.00	0
9	15305 S. 3200 West	8		400	280	6.10	400.68	421.09	404.31	\$11,620.59	\$29.00	365
10	3145 W. 11400 South	42		900	110	7.66	811.80	4,823.10	5,743.48	\$25,332.83	\$31.21	43
11	10730 S. 1300 East	22		400	100	9.09	4,852.62	928.70	430.60	\$59,804.43	\$12.32	140
12	13400 S. 3300 West	30		2400	495	9.91	3,078.00	2,908.40	1,819.00	\$156,615.35	\$50.88	152
13	3200 W. 11800 South	36	28.0	3000	495	12.25	5,986.60	5,316.20	7,939.60	\$314,992.50	\$52.62	207
14	6924 Old Bingham Hwy	20	10.0	800	280	6.50	448.90	225.28	30.79	\$36,194.43	\$80.63	30
Totals/Averages:		385	67.3	15,995	268	9.22	39,183.82	44,270.37	41,805.78	\$1,346,802.85	\$34.34	195

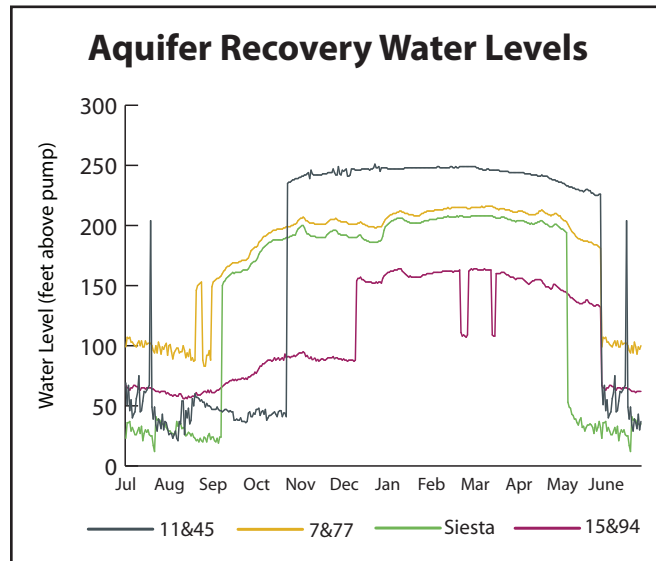
Note: Cost per AF is a fiscal year average; all information based on a "power read" year.

	Injected for underground storage (acre-feet)		108th So. (north flow)	Total	Net Saved ^a	Total Well Production
	33" System	16" System				
Jul						4,654.57
Aug						4,377.71
Sep						3,165.47
Oct						1,509.76
Nov						1,260.72
Dec						1,582.97
Jan			342.57	342.57	342.57	988.29
Feb			498.32	498.32	498.32	229.72
Mar			584.21	584.21	584.21	166.57
Apr			470.83	470.83	470.83	116.28
May	42.30	61.96	467.78	572.04	510.08	146.83
June			607.74	607.74	607.74	1,093.92
Yearly Totals	42.30	61.96	2,971.45	3,075.71	3,013.75	19,292.81*

**These totals are based on calendar months, not power months.*

ASR Water Quality Summary

Monitoring and reporting for the Aquifer Storage & Recovery (ASR) project is regulated by the Division of Water Quality's Underground Injection Control permitting process. The water injected at each of the injection wells comes from either the JVWTP or SERWTP and meets all drinking water regulations since the water is injected directly from the distribution system.



This graph shows a year's sample of ground water levels at four District wells. We have been monitoring well levels to see if the aquifer is recovering. Natural recovery occurs in the winter, with more drawdown in the summer.

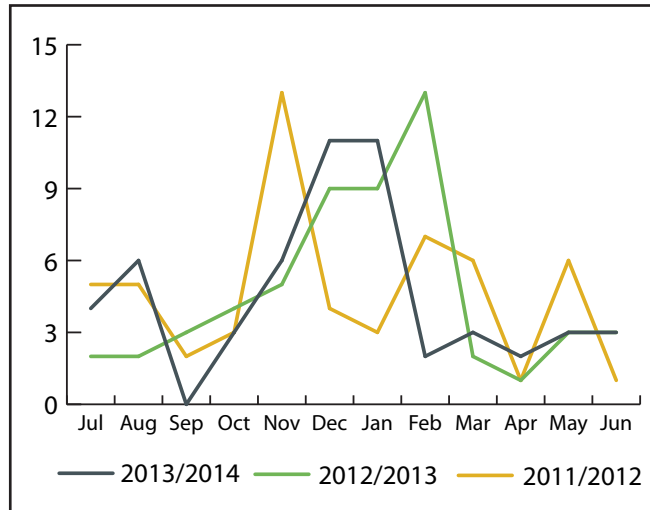
Vehicle Summary

= Admin
 = Dist
 = Treat
 = W.S.
 =IT/Elec

VEH#/YR	MAKE & MODEL	END ODOM	GALLONS USED	MILES DRIVEN	MPG	MAINT. COSTS FYTD
103 - 2008	Chev 4x4 Trailblazer	73,818	590.8	9,835	16.65	\$ 227.01
104 - 2007	Toyota Camry	73,917	313.2	8,558	27.33	\$ 177.10
105 - 2001	Chevy Impala	79,108	176.73	3,879	21.95	\$ 233.14
106 - 2004	Chevy 4x4 Tahoe	78,883	681.5	8,549	12.54	\$ 98.86
107 - 2003	Chevy 4x4 Tahoe	131,137	336.0	5,320	15.83	\$ 110.91
110 - 1999	Chevy 4x4 Tahoe	120,317	597.5	8,368	14.01	\$ 430.43
111 - 2005	Chevy Impala	70,637	418.4	8,924	21.33	\$ 192.94
112 - 1999	Ford Taurus	103,204	151.6	3,070	20.26	\$ 635.10
115 - 2000	Ford Taurus	92,761	140.9	2,631	18.38	\$ 65.25
117 - 2005	Chevy 4x4 Tahoe	122,876	259.9	3,822	14.71	\$ 75.63
118 - 2008	Ford Expedition 4x4	117,054	1,018.6	14,301	14.04	\$ 1,427.23
201 - 1998	Chevy 1/2 Ton 4x4	49,555	1,244.8	16,936	13.61	\$ 101.20
202 - 1999	Chevy 1/2 Ton 4x4	37,296	706.6	9,666	13.68	\$ 636.91
203 - 2001	Chevy Ventura Van	48,135	358.1	4,988	13.93	\$ 140.53
204 - 1999	Chevy 4x4 Blazer	89,616	419.1	8,261	19.71	\$ 566.18
206 - 2004	Chevy Ventura Van	121,439	478.1	8,453	17.68	\$ 392.72
211 - 2003	Chev 1/2 Ton pkup	86,552	392.3	4,923	12.55	\$ 131.81
219 - 2003	Chv 1/2 Ton Ext 4x4	132,748	155.7	1,780	11.43	\$ 175.17
223 - 2006	Chv 1/2 Ton Ext 4x4	119,624	1,083.2	14,500	13.39	\$ 161.76
225 - 2000	Chv 1/2 Ton pickup	144,806	544.9	9,456	17.35	\$ 208.17
227 - 2001	Chv 1/2 Ton Ext 4x4	139,225	530.5	7,587	14.30	\$ 694.32
228 - 2009	Chv 3/4 Ton Ext 4x4	58,066	871.5	10,696	12.27	\$ 102.19
229 - 2009	Chv 3/4 Ton Ext 4x4	48,167	851.0	10,325	12.13	\$ 94.64
234 - 2002	Chv 1/2 Ton Ext 4x4	148,443	698.2	9,878	14.15	\$ 122.10
235 - 2004	Chv 1/2 Ton pickup	101,117	619.80	9,713	15.67	\$ 497.68
236 - 2005	Chv 3/4 Ton Ext 4x4	106,619	1,114.6	11,157	10.01	\$ 376.26
237 - 2005	Chv 1/2 Ton pickup	87,948	1,057.7	12,617	11.93	\$ 225.06
238 - 2005	Chv 1/2 Ton Pickup	75,100	423.1	5,034	11.90	\$ 567.39
239 - 2005	Chevy Colorado 4x4	106,005	285.7	5,105	17.87	\$ 166.69
245 - 2003	Chevy 3/4 CB 4x4	115,781	743.23	8,484	11.41	\$ 216.05
246 - 2008	Chv 3/4 Ton Ext 4x4	48,819	742.9	8,350	11.24	\$ 67.73
247 - 2008	Chv 3/4 Ton Ext 4x4	62,119	1,511.2	15,507	10.26	\$ 100.29
248 - 2008	Chv 3/4 Ton Ext 4x4	61,276	1,122.4	14,770	13.16	\$ 62.37
249 - 2008	Chv 3/4 Ton Ext 4x4	94,711	1,678.0	15,184	9.05	\$ 254.85
250 - 2006	Chv 1/2 Ton Ext 4x4	144,326	1,215.0	16,329	13.44	\$ 755.32
251 - 2006	Chevy 1 Ton 4x4	78,798	900.7	9,801	10.88	\$ 545.24
252 - 2007	Chv 3/4 Ton Ext 4x4	120,433	840.1	8,987	10.70	\$ 628.09
253 - 2007	Chv 1/2 Ton pickup	96,008	855.6	10,471	12.24	\$ 147.07
254 - 2007	Chevy 3/4 Ton 4x4	54,904	922.4	9,151	9.92	\$ 147.37
255 - 2008	Chv 3/4 Ton Ext 4x4	90,497	1,855.2	21,069	11.36	\$ 645.21
256 - 2008	Chv 3/4 Ton Ext 4x4	66,335	857.2	9,798	11.43	\$ 133.67
257 - 2008	Chv 1/2 Ton Pickup	50,502	637.3	9,996	15.68	\$ 73.98
258 - 2008	Chv 1/2 Ton Pickup	67,757	889.8	9,838	11.06	\$ 404.57
259 - 2008	Chv 1/2 Ton Ext 4x4	41,143	861.9	7,516	8.72	\$ 112.99
260 - 2008	Chv 3/4 Ton Ext 4x4	94,890	1,326.7	17,072	12.87	\$ 623.61
261 - 2009	Chv 1/2 Ton Ext 4x4	91,905	2,097.4	27,711	13.21	\$ 323.13
300 - 2004	Ford F550 DESL	49,208	563.7	4,803	8.52	\$ 427.14
301 - 2008	Ford F550 Svc Truck	82,959	2,114.0	13,040	6.17	\$ 765.86

VEH#/YR	MAKE & MODEL	END ODOM	GALLONS USED	MILES DRIVEN	MPG	MAINT. COSTS FYTD
302 - 2003	Ford F550 DESL	122,083	1,236.1	10,717	8.67	\$ 223.88
306 - 2007	Ford F450 DESL	75,200	1,312.3	9,279	7.07	\$ 1,165.10
308 - 2008	Ford F550 Svc Truck	68,082	1,914.3	11,513	6.01	\$ 497.13
309 - 2006	Ford F550 DESL	74,855	1,088.1	7,493	6.89	\$ 942.72
310 - 1997	Fd F350 Dump desl	104,034	421.2	4,143	9.84	\$ 748.28
311 - 2009	Dodge 5500 Dump	39,100	980.7	8,156	8.32	\$ 628.05
312 - 1999	Chevy HD 3500 svc	141,531	795.1	8,517	10.71	\$ 187.46
313 - 2008	Dodge RAM 5500	61,114	1,149.3	9,392	8.17	\$ 269.70
406 - 1999	Intl 4900 Dump desl	65,915	504.8	2,746	5.44	\$ 1,139.87
409 - 2004	Intl 4400 Dump desl	38,253	579.7	3,025	5.22	\$ 373.51
410 - 2009	NAT 7600 Dump	26,830	1,359.30	4,665	3.43	\$ 301.33
411 - 2009	NAT 7600 Dump	24,328	1,288.9	3,618	2.81	\$ 232.94
700 - 2011	Dodge Nitro SE 4x4	43,636	772.2	14,311	18.53	\$ 50.58
701 - 2011	Ddg 1/2 Ton Ext 4x4	43,294	1,067.2	14,075	13.19	\$ 548.77
702 - 2011	Ddg 1/2 Ton Ext 4x4	35,620	828.9	11,780	14.21	\$ 44.81
703 - 2014	Ford 1/2 Ton Ext PU	4,081	222.0	3,313	14.92	\$ 24.37
704 - 2014	Ford Explorer 4x4	5,385	232.9	5,190	22.28	\$ 0.00
2013-14 TOTALS:			54,007.5	610,132	11.30	\$22,847.42
2012-13 TOTALS:			54,102.2	615,138	11.37	\$41,889.83
2011-12 TOTALS:			57,506.2	663,313	11.53	\$32,845.31

Pipeline Breaks



Total main line breaks for 2013/2014 = 54
 Total main line breaks for 2012/2013 = 56
 Total main line breaks for 2011/2012 = 56
 Total main line breaks for 2010/2011 = 59

New Retail Connections

Month	All connections are made by contractors								Totals
	3/4"	1"	1.5"	2"	3"	4"	6"	8"	
July	1								1
August									
September	8	1	1		1				11
October	1								1
November	33				1				34
December	1								1
January									
February	2	1							3
March	2								2
April	8								8
May	1							1	2
June									
Totals	57	2	1		2			1	63

Total new retail connections for 2013/2014 = 63
 Total new retail connections for 2012/2013 = 23
 Total new retail connections for 2010/2011 = 13
 Total new retail connections for 2009/2010 = 14

Retail System Connections Information

Retail service connections	2013/2014	2012/2013	2011/2012	2010/2011	2009/2010
Residential (single family or duplexes)	7,778	7,723	7,695	7,665	7,664
Large water users* ("900" accounts)	834	837	843	835	834
Active retail connections as of year end	8,612	8,560	8,538	8,500	8,498
Fire lines	277	260	240	240	240
TOTAL CONNECTIONS	8,889	8,820	8,778	8,740	8,738
Increase/decrease in active retail connections	69	42	38	02	49

*Large water users include apartments and commercial & industrial businesses.

Inspections/Locations Summary

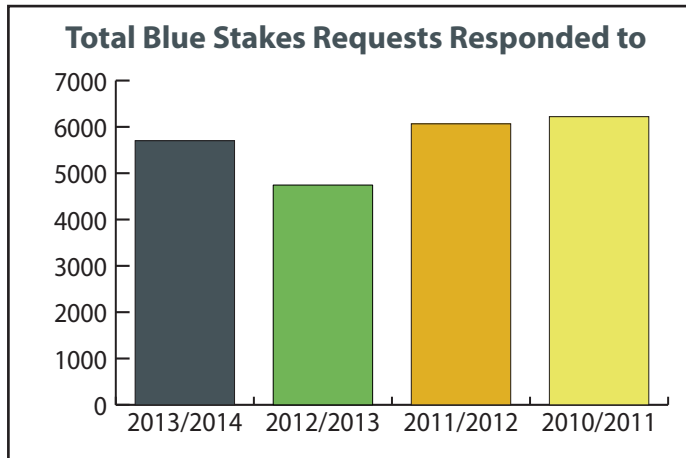
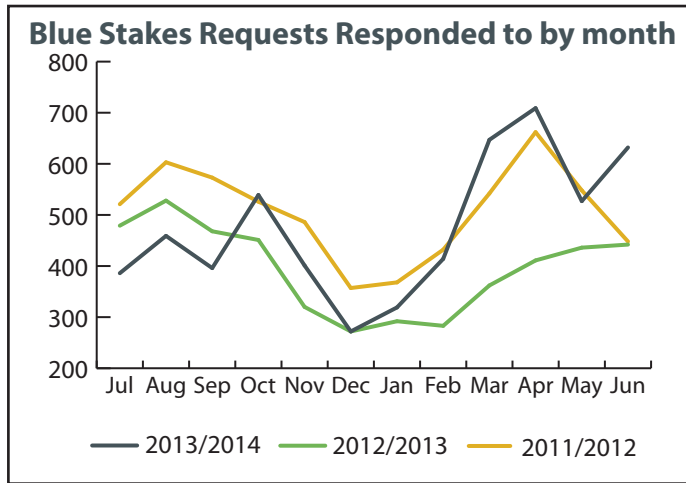
	Blue Stakes Requests	Water Crossings	Sewer Crossings	Storm Drain Crossings	Gas Crossings	Power/Com Crossings
July	386			2	12	3
Aug	459	5		1	6	
Sept	396		1	4	2	3
Oct	539	9		3	1	5
Nov	401	6	6	4	4	15
Dec	272			2	1	5
Jan	319			2	6	4
Feb	414	3			8	8
Mar	647	2	1	2	6	25
Apr	709	1	2	1	25	6
May	527	2	2	1	2	2
Jun	632	2	2	1	14	5
Totals	5701	30	14	23	87	81

	Fire Lines Installed	Hydrants Installed	Connections Installed*	Hot Taps Performed	Scheduled Shutdowns**
July				1	2
Aug		1		1	
Sept		1	10	4	2
Oct		3	1	3	3
Nov		2	34	4	3
Dec			1		
Jan					
Feb			3		
Mar			2		3
Apr		1	8	1	4
May			2		
Jun					
Totals	0	8	15	14	7

*All connections installed by contractor; all 3/4"

**Scheduled shutdowns are shutdowns that are anticipated and notice can be given to affected customers ahead of time.

Blue Stakes Summary



Pipeline/Valve Summary

Pipe diameter	Pipe length (linear ft.)	Miles of pipe	# of Valves
2 inch	200	0.04	77
3 inch - 4 inch	35,707	6.76	235
6 inch	354,585	67.16	1,210
8 inch	190,623	36.10	542
10 inch	55,694	10.55	130
12 inch	81,506	15.44	162
14 inch	12,801	2.42	18
16 inch	139,417	26.40	78
18 inch	25,553	4.84	16
20 inch - 21 inch	46,333	8.78	33
24 inch	120,660	22.85	79
27 inch	18,535	3.51	3
30 inch	80,463	15.24	43
33 inch	83,198	15.76	6
36 inch	33,286	6.30	3
42 inch	200	0.04	13
48 inch	26,059	4.94	21
54 inch	5,280	1.00	12
60 inch	500	0.09	2
66 inch	51,216	9.70	3
72 inch	73,920	14.00	5
78 inch	79,041	14.97	5
Totals	1,514,777	286.89	2,696
Total fire hydrants			1,352

Updated 8/12/13

Update includes:

- Bungalow at 13th (1320 E Galaxy Dr.)
- The Grove at Cottonwood (1300 East 5970 South)
- 500 East Pipeline Replacement (4500 South/3900 South)
- 700 West Pipeline Replacement (3300 South/Carlisle Park Ln.)

Conservation Garden Park

Plans are underway to update the garden master plan for expansion into all remaining undeveloped areas. Since the Garden's inception, annual attendance has continued to increase. In 2001, only 3,000 people visited the Garden. In 2013, 30,000 walked its paths.

Community Outreach

Staff has increased the Garden's presence on Facebook, Twitter, and Blogger. Partnerships have been formed with KSL's popular Studio 5 program and the weekly "Spaces" section of the Deseret News and Salt Lake Tribune.

Conservation Department Public Outreach:

Category	Number of Events	
	2012-2013	2013-2014
Garden Tours	133	175
Facility Use	26	93
Booths	9	18
Classes	83	85
Media Appearances	12	31
Presentations	15	17

QWEL Program



Jordan Valley Water has partnered with Utah State University and the Utah Nursery and Landscape Association (UNLA) to introduce the Qualified Water Efficient Landscaper Program (QWEL). The training consists of 20 hours of in-class learning about materials, installation and maintenance practices of waterwise landscapes. Graduates are tested and certified by UNLA and a network of partners who promote QWEL-certified landscapers to the general public.

Member Agency Grant Program

Member Agencies interested in funding assistance for water conservation programs submit proposals outlining their projects, including costs and anticipated potential water savings. Five agencies are participating in the current grant cycle:

- Granger Hunter Improvement District
 - Conservation calendars
 - Promotional materials
 - High water user targeting
 - WVC "Idea House" relandscaping
- City of West Jordan
 - Conservation Plan update
 - High water user comparison report
- Taylorsville-Bennion Improvement District
 - Conservation Plan update
 - Reservoir site landscape improvements
- South Jordan City
 - Rebate program for toilets, waterwise plants, and indoor fixtures
 - Conservation website
 - Conservation scholarship
- Kearns Improvement District
 - Toilet and showerhead replacement program

Jordan Valley Water requires ongoing reporting and water use tracking from participating agencies.

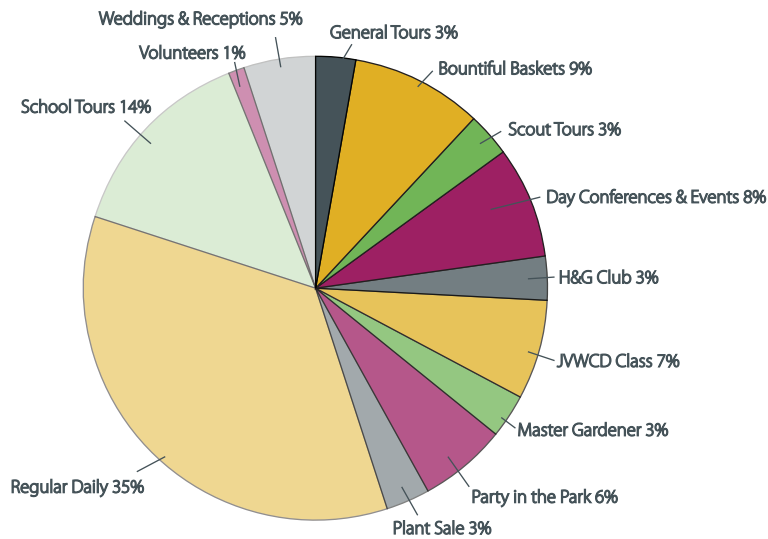
Waterwise Landscaping Classes

Water-efficient landscape classes are generally free to the public and topics are geared toward home owners. Class schedules are distributed each year throughout Jordan Valley Water's service area and are available online at ConservationGardenPark.org.

Landscaping Classes:

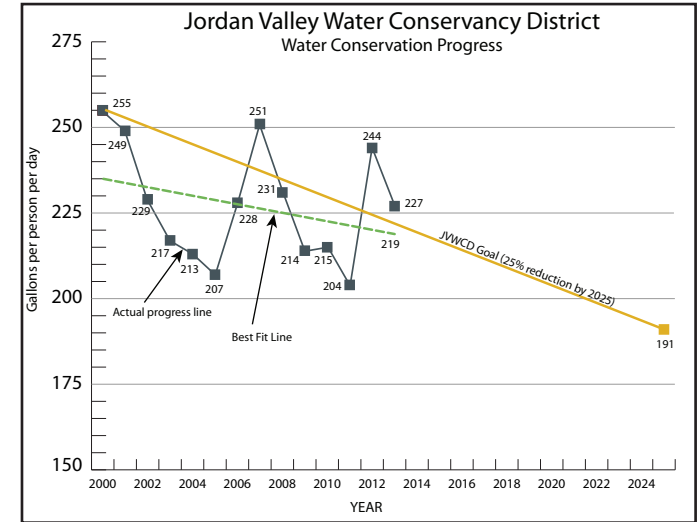
Year	Number of Classes	Total Attendance	Avg # of Participants
2006	14	411	29
2007	21	474	23
2008	18	518	29
2009	23	501	22
2010	20	377	19
2011	19	818	43
2012	23	921	40
2013	35	1,525	44

Garden Attendance



Water Conservation Goal

Jordan Valley Water has a long term goal to decrease per capita water usage 25% by 2025. While this number tends to fluctuate from year to year based on weather conditions, a gradual decline in the average of all years combined shows that conservation progress is being made.



Capital Projects

A summary of the projects which were completed by the Engineering Department in 2013-2014 are shown on Jordan Valley Water's web site under "Engineering Projects" (<http://www.jvwcd.org/public/projects.aspx>). The Completed Project Reports for 2013-2014 are listed on the right side of the site. SWJVGWP means Southwest Jordan Valley Groundwater Project, and JA-4 means Jordan Aqueduct Reach 4.

Projects completed this year include:

- 11400 S 3200 W site improvements
- 7618 S 700 E Well storm drain
- Admin building seismic upgrades
- Distribution building seismic upgrades
- Distribution pipeline replacement
- Education Center at Conservation Garden Park
- Jordan Narrows & JA-4 improvements
- SWJVGWP byproduct pipeline Ph II & III



Photos, clockwise from top left:

- Repairing aging distribution pipelines along 500 East
- Installing byproduct pipeline near Great Salt Lake
- Magnetic flowmeters in JA-4

Property Acquired FY 2013/2014

Property Location	Size	Project	Total Acquisition Costs
Salt Lake County	2,499 acres	CPP (Central Pipeline Project)	\$138,255

Water Rights Acquired 2013/2014

	Yield (Acre Feet)
Utah Lake Irrigation Stock	0
Jordan River Rights	0
Provo River Irrigation Stock	0

Safety Track 2013-2014

Jordan Valley Water Conservancy District Safety Track Summary

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYT
Lost time injuries	0	0	0	0	0	0	0	0	0	0	1	0	1
OSHA recordable injuries	0	0	1	0	0	0	1	2	0	0	1	0	5
Vehicle crashes	2	0	0	0	0	0	2	1	1	0	1	2	9

Days since last Lost Time Injury: **46** (5/15/14)
Days since last Vehicle Crash: **3** (6/27/14)

Best record for Lost Time Injury: **648**
Best record for Time Without a Vehicle Crash: **178**

Fiscal Year Totals			
12/13	11/12	10/11	09/10
0	1	2	1
5	6	2	5
10	9	16	9

Distribution Department Safety Track Summary

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYT
Lost time injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
OSHA recordable injuries	0	0	0	0	0	0	0	2	0	0	0	0	2
Vehicle crashes	0	0	0	0	0	0	1	1	0	0	0	1	3

Days since last Lost Time Injury: **376** (6/19/13)
Days since last Vehicle Crash: **3** (6/27/14)

Best record for Lost Time Injury: **1,058**
Best record for Time Without a Vehicle Crash: **427**

Fiscal Year Totals			
12/13	11/12	10/11	09/10
0	1	0	1
3	5	0	2
5	4	10	6

Treatment Department Safety Track Summary

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYT
Lost time injuries	0	0	0	0	0	0	0	0	0	0	1	0	1
OSHA recordable injuries	0	0	1	0	0	0	0	0	0	0	1	0	2
Vehicle crashes	1	0	0	0	0	0	1	0	1	0	0	0	3

Days since last Lost Time Injury: **46** (5/15/14)
Days since last Vehicle Crash: **97** (3/25/14)

Best record for Lost Time Injury: **1,365**
Best record for Time Without a Vehicle Crash: **676**

Fiscal Year Totals			
12/13	11/12	10/11	09/10
0	0	1	0
2	0	1	1
3	0	2	0

Water Supply Department Safety Track Summary

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYT
Lost time injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
OSHA recordable injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
Vehicle crashes	0	0	0	0	0	0	0	0	0	0	0	1	1

Days since last Lost Time Injury: **1,904** (1/25/11)
Days since last Vehicle Crash: **14** (6/16/14)

Best record for Lost Time Injury: **3,389**
Best record for Time Without a Vehicle Crash: **1,044**

Fiscal Year Totals			
12/13	11/12	10/11	09/10
0	0	0	0
1	0	0	1
2	4	2	2

Administration, IS, and Conservation Safety Track Summary

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYT
Lost time injuries	0	0	0	0	0	0	0	0	0	0	0	0	0
OSHA recordable injuries	0	0	0	0	0	0	1	0	0	0	0	0	1
Vehicle crashes	1	0	0	0	0	0	0	0	0	0	1	0	2

Days since last Lost Time Injury: **1,246** (1/25/11)
Days since last Vehicle Crash: **48** (5/13/14)

Best record for Lost Time Injury: **2,719**
Best record for Time Without a Vehicle Crash: **2,544**

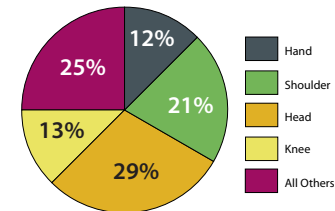
Fiscal Year Totals			
12/13	11/12	10/11	09/10
0	0	1	0
0	1	1	1
0	1	2	1

2013/2014 OSHA Recordable Injuries^a

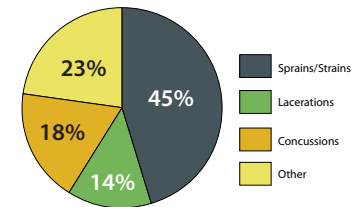
Date	Type of Injury	Light duty restriction (days)	Days away from work	Total PTD (Workers Comp)	Dept
9/10/13	Eye Abrasion	0	0	\$201	Treat
1/15/14	Neck Strain	0	63	\$473	IS
2/1/14	Chest Strain	0	41	\$383	Dist
2/5/14	Finger Laceration	0	33	\$628	Dist
5/15/14	Concussion	7	6	N/A ^b	Treat
Total	5	7	143	\$1,685	

a- Any work-related death, or any injury or illness that involves loss of consciousness, restricted work activity or job transfer, days away from work, or medical treatment beyond first aid.
 b- Strategic Staffing employee. Workers Comp for Strategic Staffing paid for this claim.
 PTD = Paid to date.

OSHA Recordable Injuries 09/10-13/14



By body part

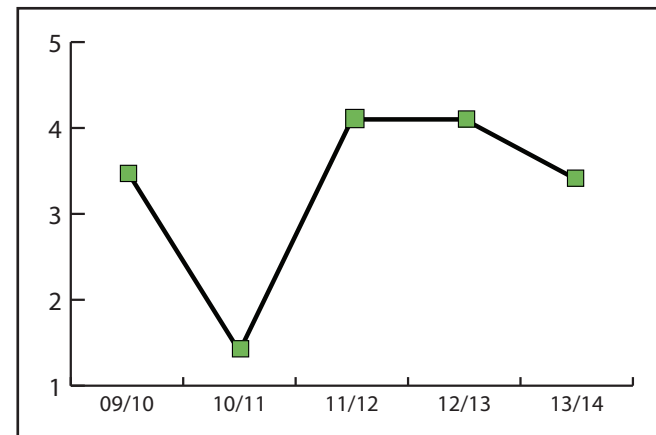


By type

OSHA Recordable Injury Incident Rates

Fiscal Year	Avg emp hrs wrkd ^a	# of Injuries	Incident Rate ^b	Total PTD (Wkrs Comp)
2009/2010	286,000	5	3.5	\$10,685
2010/2011	290,000	2	1.4	\$28,405
2011/2012	290,000	6	4.1	\$54,117
2012/2013	290,000	6	4.1	\$8,919
2013/2014	292,000	5	3.4	\$1,685

a- Number of employees x 2000 (2000 hours is the average number of hours an employee works per year and is the number that OSHA recommends for calculating incident rates)
 b- Total injuries x 200,000, divided by "# of employee hours worked"



OSHA Recordable Injury Incident Rates by Department

	09/10	10/11	11/12	12/13	13/14	5-yr avg
Admin	1.9	1.9	1.9	0.0	1.9	1.5
Distribution	4.1	0.0	10.0	6.1	4.2	4.9
Treatment	3.1	3.1	0.0	6.3	6.1	3.7
Water Supply	10.0	0.0	0.0	9.1	0.0	3.8

Performance Indicators

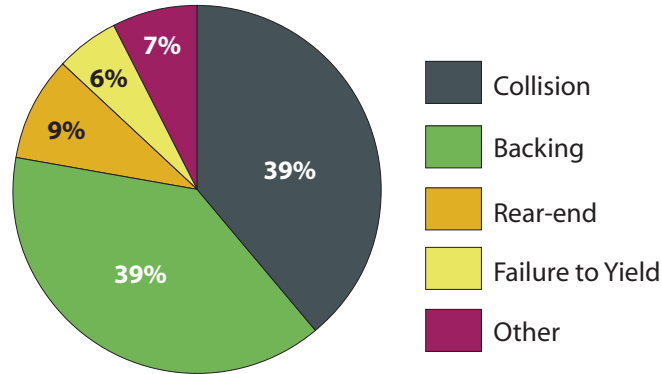


2013/2014 Vehicle Crashes^a

Date	District Cost	Type	Dept
7/2/13	\$457	Backing	Treat
7/18/13	\$0	Rear-end	WS/WQ
1/13/14	\$608	Rear-end	Treat
1/16/14	\$185	Backing	Dist
2/5/14	\$5,207	Backing	Dist
3/24/14	\$1,010	Collision	Treat
5/13/14	\$428	Backing	WS/WQ
6/16/14	\$230	Collision	WS
6/27/14	\$122	Backing	Dist
Cost FYTD	\$8,247		

a- Vehicle Crash: an incident where an employee is driving any type of vehicle which collides with anything that causes damage to the vehicle or the object hit; or that results in medical expenses or bodily injury for anyone involved.

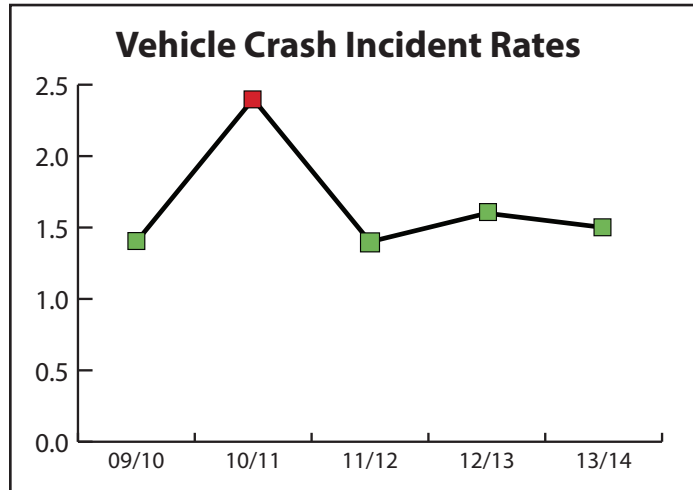
Vehicle Crash Types 09/10 - 13/14



Vehicle Crash Incident Rates

Fiscal Year	# of Miles Driven	# of Crashes	Incident Rate ^a	District Cost ^b
2009/2010	649,242	9	1.4	\$15,899
2010/2011	658,284	16	2.4	\$24,801
2011/2012	663,313	9	1.4	\$5,999
2012/2013	615,138	10	1.6	\$2,852
2013/2014	608,142	9	1.5	\$8,247

a- Total crashes x 100,000, divided by "# of miles driven."
 b- Total cost for all repairs and medical expenses paid by JWCD or its insurance carriers for all parties involved.



Vehicle Crash Incident Rates by Department

	09/10	10/11	11/12	12/13	13/14	5-yr avg
Admin	1.1	2.3	1.1	0.0	2.9	1.5
Distribution	1.8	2.9	1.1	1.5	0.9	1.6
Treatment	0.0	2.3	0.0	3.7	3.3	1.9
Water Supply	1.5	1.4	2.9	1.6	0.8	1.6

Performance Indicators



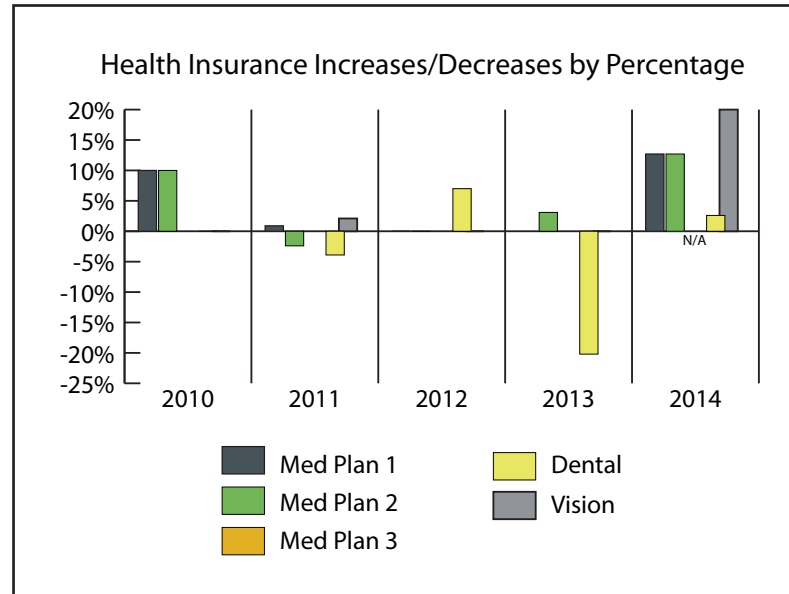
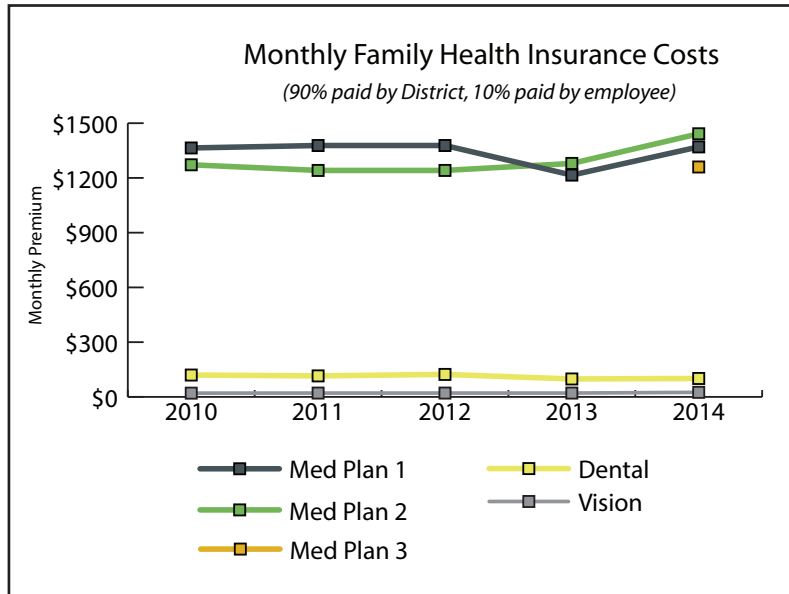
Personnel Costs

History of Salary Increases (effective date JULY 1)	2014	2013	2012	2011	2010	2009
COLA	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%
Merit increase	3.0%	2.8%	2.5%	2.0%	N/A	N/A
Merit/step average	4.01%	3.88%	2.86% or step	2.96%	0.0%	3.0% or step
- merit range	2.0% to 8.09%	0 to 10.00%	0 to 4.76%	0% to 6.62%	N/A	2.86% to 4.52%

Personnel Budget	2014/2015	2013/2014	2012/2013	2011/2012	2010/2011	2009/2010
Salary & benefits	\$14,158,927	\$13,502,777	\$12,959,432	\$12,642,170	\$12,580,562	\$12,270,722
Increase over previous year	4.86%	4.19%	2.51%	0.49%	2.53%	6.83%

Health Insurance Plan & Costs: (see charts next page)	Calendar 2014	Calendar 2013	Calendar 2012	Calendar 2011	Calendar 2010	Calendar 2009
<u>Medical Plan 1</u> (monthly premium)	SelectMed+HDHP	SelectMed+HDHP	SelectHealth	SelectHealth	ValueCare	ValueCare
- Single	\$464.40	\$412.10	\$467.20	\$467.20	\$462.50	\$420.50
- 2-party	\$998.60	\$886.10	\$1,004.30	\$1,004.30	\$994.30	\$903.90
- Family	\$1,369.90	\$1,215.50	\$1,377.70	\$1,377.70	\$1,364.20	\$1,240.10
Increase over previous year	12.70%	N/A	0.0%	0.9%	10.0%	10.4%
<u>Medical Plan 2</u> (monthly premium)	SelectCare+HDHP	SelectCare+HDHP	SH HDHP	SH HDHP	HealthWise	HealthWise
- Single	\$488.90	\$433.80	\$420.80	\$420.80	\$431.30	\$392.10
- 2-party	\$1,051.20	\$932.70	\$904.70	\$904.70	\$927.20	\$842.90
- Family	\$1,442.00	\$1,279.50	\$1,241.10	\$1,241.10	\$1,272.00	\$1,156.30
Increase over previous year	12.7%	3.1%	0.0%	-2.4%	10.0%	10.4%
<u>Medical Plan 3 (NEW)</u> (monthly prem.)	SelectValue+HDHP					
- Single	\$427.20					
- 2-party	\$918.60					
- Family	\$1,260.20					
Increase over previous year	N/A					
<u>Dental Plan</u> (monthly premium)	Aetna	Aetna	EMI	EMI	Aetna Dental	Aetna Dental
- Single	\$29.53	\$28.78	\$36.10	\$33.70	\$37.29	\$37.29
- 2-party	\$62.86	\$61.27	\$76.80	\$71.75	\$78.52	\$78.52
- Family	\$100.84	\$98.28	\$123.20	\$115.10	\$119.77	\$119.72
Increase over previous year	2.6%	-20.2%	7.0%	-3.9%	0.0%	20.1%
<u>Vision Plan</u> (monthly premium)	Self Insured	Self Insured	Self Insured	Self Insured	Self Insured	Self Insured
- Single	\$8.50	\$7.00	\$7.00	\$7.00	\$6.97	\$6.97
- 2-party	\$18.00	\$15.00	\$15.00	\$15.00	\$15.00	\$15.00
- Family	\$25.00	\$21.00	\$21.00	\$21.00	\$20.56	\$20.56
Increase over previous year	20.0%	0.0%	0.0%	2.1%	0.0%	0.0%

Personnel - History of Insurance Costs



Personnel - Employee History

	Calendar Year 2014	Calendar Year 2013	Calendar Year 2012	Calendar Year 2011	Calendar Year 2010
Full-time authorized positions:	137	135	136	136	136
Part-time positions:	4	5	4	5	5
New positions authorized:	2	1	0	0	1
	• Electronics/ Instrumentation Tech III • Ops/Maintenance TP Operator	Lead Garden Horticulturist			Water Supply Maintenance Lead
Turnover - # of Terminations	not yet available	5	6	3	8
Retirements	not yet available	1	3	0	1
Turnover rate:	not yet available	3.57%	4.28%	2.17%	5.6%
Employees per 1,000 AF of water delivered:		1.07	1.06	1.01	1.18
AF delivered per employee:		935	941	988	847

Review of 2013/2014 Budget

Sources of funds

	2013/2014 Budget	Preliminary Actual* as of 6/30/2014	% FYTD
Wholesale water sales	\$33,367,200	\$34,699,234	104%
Retail water sales	5,294,000	5,362,613	101%
Tax revenue	13,658,000	13,677,631	100%
Interest income	680,200	563,447	83%
Misc. operating & non-operating revenue	1,100,000	1,141,869	104%
Connection/development fees	183,200	378,733	207%
Capital projects fund (gross)	<u>21,179,966</u>	<u>7,817,628</u>	<u>37%</u>
Total sources	\$75,462,566	\$63,641,155	84%

Uses of funds

Water purchases	\$8,754,243	\$8,899,229	102%
Operation & maintenance expenses	8,368,590	8,997,444	108%
General & administrative expenses	3,782,245	2,823,458	75%
Personnel expenses	13,647,035	13,294,252	97%
Capital projects fund (gross)	<u>21,179,966</u>	<u>7,817,628</u>	<u>37%</u>
Total uses	\$55,732,079	\$41,832,011	75%

Net operating revenues	\$19,730,487	\$21,809,144	111%
Debt service payments	<u>(15,694,238)</u>	<u>(15,523,321)</u>	<u>99%</u>
Debt service coverage ratio	1.26	1.41	

Amount available to transfer to reserves			
Total from operations	\$4,036,249	\$6,285,823	156%

*Preliminary numbers pending audit.

