SUMMARY of Operations 2011-2012



Contents
Definitions

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.

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Definitions for this publication

AF= Acre feet

ASR= Aquifer storage & recovery (treated 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

FY= Fiscal Year

GWR= Groundwater Rule

HAA= Haloacetic acid

HPC= Heterotropic 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

MWD/MWDSLS= Metropolitan Water District of Salt Lake & Sandy

NTU= Nephelomentric turbidity units

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

SWGWTP= Southwest Groundwater

Treatment Plant

TDS= Total dissolved solids

THM= Trihalomethane

TOC= Total organic carbon

UFRV= Unit filter run volume

Water Supply/Water Quality

Water Supplies

Municipal & Industrial water supplies (acre-feet)	FY 11/12	FY 10/11	FY 09/10	FY 08/09
Jordanelle Reservoir (Central Utah Project) ^a	41,502	41,711	44,019	42,835
Deer Creek Reservoir (Provo River Project) ^b				
storage	12,140	3,477	7,410	7,061
extra allotment	11,634	5,903	4,360	5,931
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	1,876	2,623	2,233	1,921
Echo Reservoir ^c	2,982	185	3,822	2,358
Provo River (direct flows)	3,897	8,620	3,482	9,693
Weber River (direct flows)	0	0	673	0
Local Wasatch streams	4,165	2,566	2,227	1,733
Bingham Canyon Water Treatment Plant ^d	3,620			
Groundwater (wells)	12,924	15,250	15,457	9,093
Subtotal for M&I	94,740	80,335	83,683	80,578
Irrigation water supplies				
Jordanelle Reservoir (Central Utah Project) ^a	34	23	46	47
Deer Creek Reservoir (Provo River Project) ^b				
storage	3,706	6,062	5,812	0
extra allotment	1,785	301	3,201	599
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	17	0	1,452	2,414
Provo River (direct flows; includes PR Aqueduct losses)	17,047	7,962	10,649	9,858
Weber River (direct flows)	0	0	0	0
Utah Lake	12,065	15,115	12,143	14,963
Subtotal for irrigation	34,654	29,463	33,303	27,881
TOTAL ALL SUPPLIES	129,394	109,798	116,986	108,459
M&I water treated or transported for other agencies	4,999	5,384	7,707	5,742
TOTAL ALL WATER	134,393	115,182	124,693	114,201

a- Provo River sources

Water Deliveries

All deliveries in acre feet	FY 11/12	FY 10/11	FY 09/10	FY 08/09
Bluffdale City	1,780	1,615	1,435	1,410
Draper City	3,693	3,151	3,123	3,207
Granger-Hunter Improvement District	21,443	17,123	19,621	17,707
Herriman City	3,273	2,772	2,396	2,165
Hexcel Corporation	719	720	677	720
Kearns Improvement District	8,265	7,746	7,468	7,759
Magna Water Company	834	760	910	764
Midvale City	166	69	106	159
Riverton City	800	443	2,467	775
City of South Jordan	14,482	11,801	11,661	11,327
City of South Salt Lake	1,262	1,069	626	804
Taylorsville-Bennion Improvement District	5,300	4,554	5,030	5,005
Utah State Department of Corrections	598	641	452	577
WaterPro, Inc.	1,382	1,009	981	1,140
West Jordan City	18,226	16,119	16,314	16,419
White City Water Improvement District	0	0	0	0
Willow Creek Country Club	391	309	294	290
Total Wholesale	82,614	69,943	73,642	70,543
Jordan Valley WCD retail area	9,465	8,716	8,463	8,984
(Holladay, Murray, Sandy, South Salt Lake & unincorporated county)				
JVWCD use ^a	553	472	493	472
JVWCD treatment plant losses ^b	2,108	1,204	1,085	579
Subtotal for deliveries, use & loss	94,740	80,335	83,683	80,578
Irrigation & raw water delivered				
Utah State Department of Public Safety	10	8	6	9
Staker & Parson Companies	34	43	48	47
Welby-Jacob Water Users Company	34,610	28,508	28,873	25,430
PRWUA canal losses	0	904	4,376	2,395
Subtotal for irrigation & raw water	34,654	29,463	33,303	27,881
TOTAL DELIVERED WATER	129,394	109,798	116,986	108,459
M&I water treated or transported				
Metropolitan Water District of Salt Lake & Sandy ^c	4,967	5,379	7,706	5,595
Taylorsville-Bennion Improvement District	23	2	1	106
West Jordan City	9	2	0	41
Subtotal for treated or transported water	4,999	5,384	7,707	5,742
TOTAL WATER DELIVERED TREATER OR TRANSPORTER				
TOTAL WATER DELIVERED, TREATED OR TRANSPORTED	134,393	115,182	124,693	114,201

b- Weber, Duchesne and Provo River sources

c- Weber River sources

d-Treats southwest Salt Lake County groundwater

a- Hydrant and main line flushing, main line breaks, reservoir cleaning and irrigation of landscaping at Jordan Valley sites.

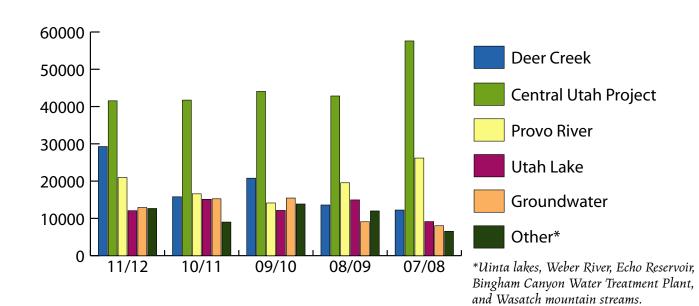
b-Treatment plant losses calculated based on plant use and evaporation for both JWWTP and SERWTP.

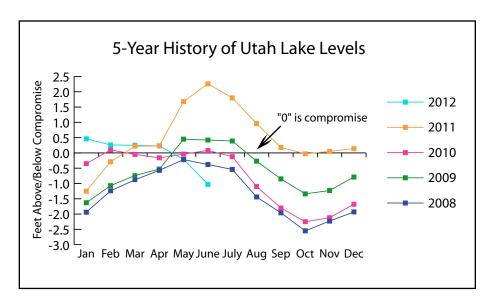
c- This total includes Jordan Valley water exchanged at 11400 South and east-side water exchanged at 2100 South.

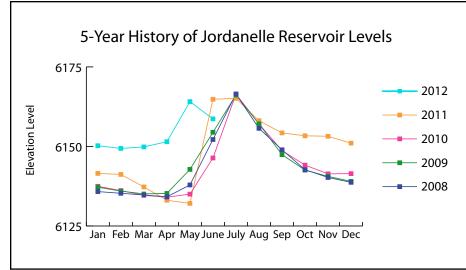
5-Year History of Water Source Supplies

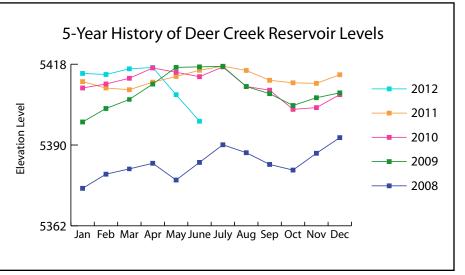
	11/12	10/11	09/10	08/09	07/08
Deer Creek Reservoir					
Storage	15,846	9,581	13,222	7,061	9,287
Extra allotment	13,419	6,204	7,561	6,530	2,955
Leases and purchases	0	0	0	0	0
Temporary Provo River storage	0	0	0	0	0
Subtotals:	29,265	15,785	20,783	13,591	12,242
Central Utah Project	41,536	41,734	44,065	42,835	57,603
MWD surplus (Little Cottnwd Crk)	0	0	0	0	0
Provo River	20,944	16,582	14,131	19,551	26,177
Uinta lakes	1,876	2,623	2,233	1,921	1,550
Weber River	0	0	673	0	0
Echo Reservoir	2,999	185	5,274	4,772	483
Utah Lake	12,065	15,115	12,143	14,963	9,141
Groundwater	12,924	15,250	15,457	9,093	8,027
Bingham Cyn Water Trt Plant	3,620	3,641	3,457	3,571	3,266
Wasatch mountain streams	4,165	2,566	2,227	1,733	1,226
TOTALS: ^a	125,774	109,840	116,986	108,459	113,980

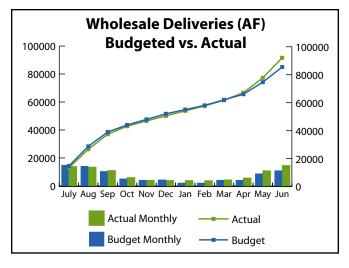
a) Does not include transported water as shown on previous page

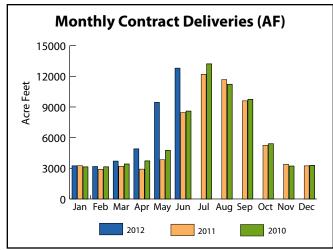








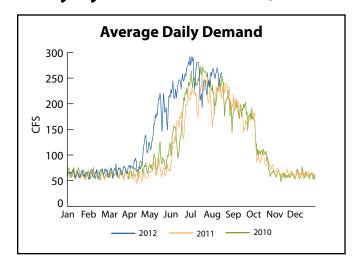


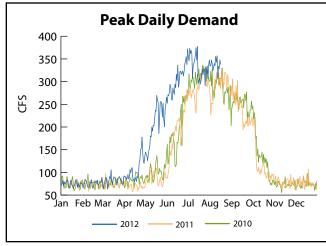


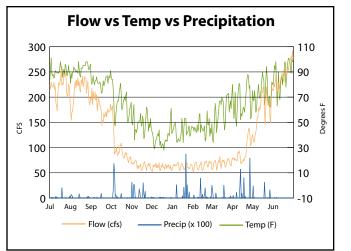
Contract deliveries are made to Jordan Valley Water's 17 wholesale member agencies. It is estimated that May and June are higher than previous years

because of dry weather conditions.

Daily System Demands (Calendar Year)





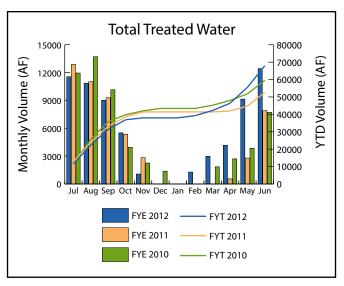


Treatment General Information	JVWTP	SERWTP	SWGWTP	TOTALS
General information	11/12	11/12	11/12	101AL3 11/12
Rated capacity (in MGD)	180	20	<u>11/12</u> 7	207
Maximum daily effluent flow (in MGD)	157	18	N/A	175
·	76	10		173 87
Average daily flow during operation (in MGD)	, •		N/A	87
Percent of fiscal year in operation	77	82	0	
Plant production in acre-feet				
Total flow into plant	69,587	9,820	N/A	79,407
Plant use & loss	(1,960)	(148)	N/A	(2,108)
Total treated water to distribution or injected	67,627	9,672	N/A	77,299
Combined total treated water to system (acre-feet):				77,299
Direct Treatment O&M costs				
Personnel	\$1,256,998°	\$484,643	\$106,423	\$1,848,064
Chemicals	\$1,011,368	\$220,262	\$4,417	\$1,236,047
Utilities	\$224,044	\$131,407	\$46,034	\$401,485
Other	\$497,233	\$194,488	\$36,707	\$728,428
Total treatment expenses	\$2,989,643	\$1,030,800	\$193,581	\$4,214,024
Treatment O&M cost per acre-foot	\$44.21	\$106.58		

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 Murdock Canal. JVWTP is operated by Jordan Valley on behalf of itself and Metropolitan Water District of Salt Lake & Sandy. The plant is owned 2/7 by Metro and 5/7 by Jordan Valley.

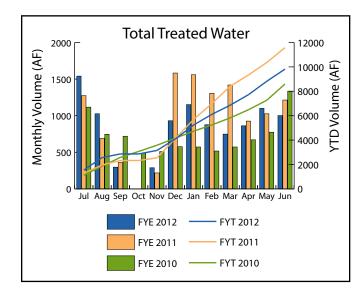


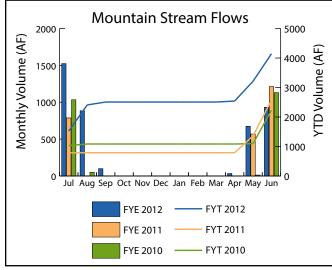
Gaps in graph data indicate the plant was off-line.

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

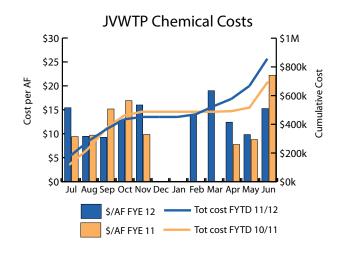
of Deer Creek Dam. The remaining portion of source water comes from snow pack runoff collected into the Draper Diversion from five mountain streams: South Fork, Middle Fork, Bells Canyon, Rocky Mouth, and Big Willow.

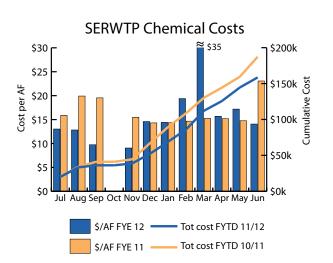


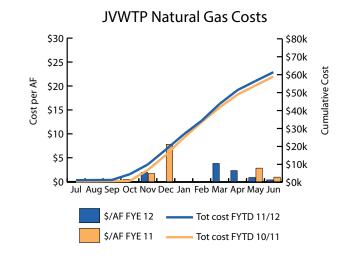


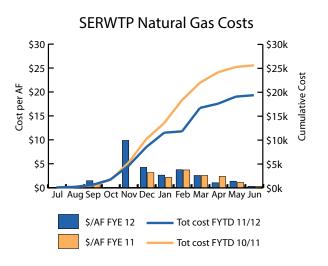
Gaps in graph data indicate the plant was off-line.

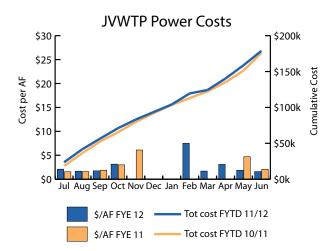
Treatment Costs

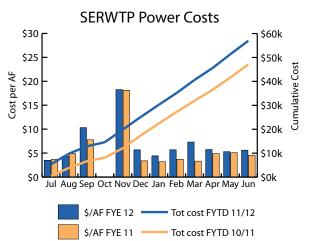












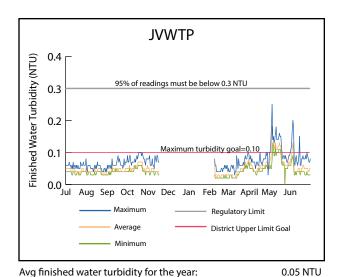
0.25 NTU

91.9%

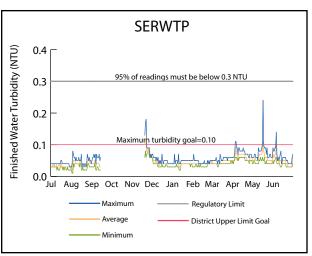
432

Turbidity

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 JVWTP and SERWTP have adopted and typically meet.



Avg finished water turbidity for the year: Maximum finished water turbidity: Goal achieved for the year: Best record for days in operation under 0.10 NTU: Days of operation below 0.10 NTU: 359

Filter Performance

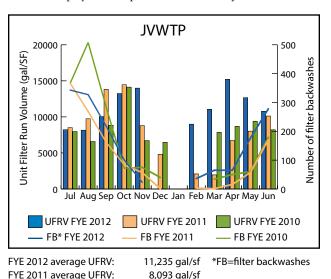
Best record for days in operation under 0.10 NTU:

Maximum finished water turbidity:

Days of operation below 0.10 NTU:

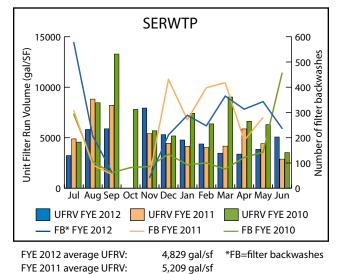
Goal achieved for the year:

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



8,483 gal/sf

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.



7,023 gal/sf

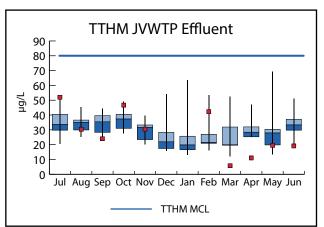
FYE 2010 average UFRV:

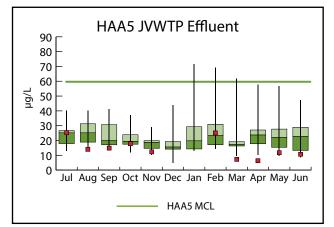
Disinfection By-product (DBP) Formation

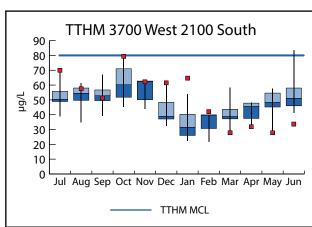
Disinfection-By-Products (DBPs) are formed when a disinfectant, such as chlorine, is in contact with naturally occurring organic matter in water. DBP levels generally continue to increase as the water travels out into the distribution system and into the consecutive systems of our member agencies. Though there is no MCL for DBPs leaving a treatment plant, the Treatment Department

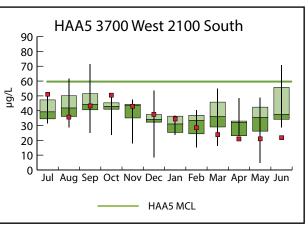
has established a goal of 40 ug/L for TTHMs and 30 ug/L HAA5 leaving the effluent of both treatment plants. The ability to use chlorine dioxide as the primary disinfectant came online at JVWTP in March 2012. This disinfection enhancement lowers the DBP formation within the plant and therefore helps our member agencies comply with DBP requirements in their systems.

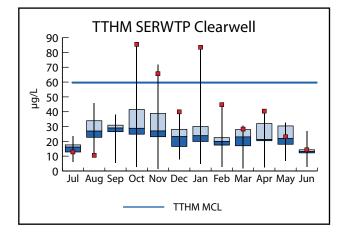


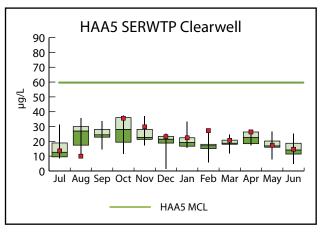












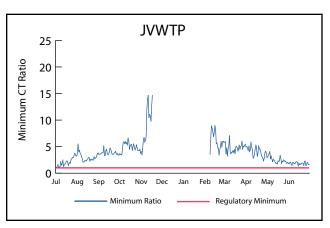
FYE 2010 average UFRV:

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.

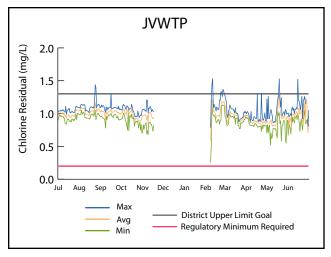
Minimum CT Ratio



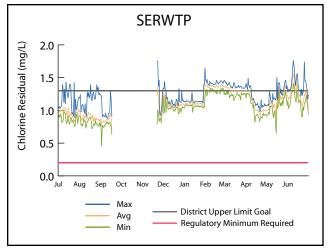
Average CT ratio for the year: 3.91 mg/L Minimum CT ratio for the year: 1.05 mg/L

Average CT ratio for the year: Minimum CT ratio for the year: 2.01 mg/L 1.17 mg/L

Chlorine Residual



Average residual for the year: 0.98 mg/L
Maximum residual: 1.53 mg/L
Minimum residual: 0.25 mg/L
Goal achieved for the year: 95%



Average residual for the year:

Maximum residual:

Minimum residual:

Goal achieved for the year:

1.11 mg/L

1.81 mg/L

0.57 mg/L

99%

Total Coliform Rule & Chlorine Residuals

The Safe Drinking Water Act requires that no more than 5 percent of all samples collected and analyzed in any month may be positive for total coliform, or that no more than one sample be positive when 40 or fewer samples are collected each month. A detectable chlorine residual is required in all distribution systems that provide treated water from a

surface water source or a groundwater source under the direct influence of a surface water source. A 0.2 mg/L chlorine residual is also required at the entry point into the distribution system. Systems without a detectable residual but with heterotrophic plate counts lower than 500 cfu/ml are considered adequately protected.

	Samples	% Samples	# Samples	# HPC	#GWR	Free	Chlorine Resid	lual
Month	analyzed*	total coliform positive	· · · · · · · · · · · · · · · · · · ·	Samples Taken	Minimum (mg/L)	Average (mg/L)	Maximum (mg/L)	
July	101	0	0	4	16	0.02	0.77	1.33
August	111	1	0	1	35	0.02	0.75	1.37
September	94	0	0	0	23	0.11	0.66	1.30
October	88	0	0	0	5	0.07	0.63	1.21
November	81	0	0	3	36	0.00	0.49	1.15
December	87	0	0	0	32	0.15	0.62	1.31
January	88	0	0	2	27	0.03	0.65	1.39
February	99	0	0	0	20	0.22	0.76	1.35
March	106	0	0	1	5	0.03	0.84	1.46
April	110	0	0	0	4	0.34	0.87	1.37
May	116	1	0	0	8	0.14	0.76	1.29
June	112	0	0	2	15	0.01	0.75	1.20
Totals	1193	2	0	13	226			

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

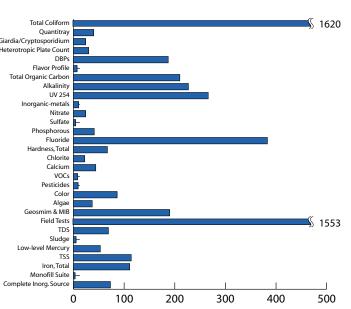
Total Samples Collected

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. Federal and State Rules and Regulations have been established with public health as the primary objective.

Total samples collected for FYE 2012: 5,329

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
- Sampling Sites = JVWTP, SERWTP, Distribution System, Murdock Canal, mountain streams, Jordan and Provo rivers, and various sites in response to customer calls.



Fluoride

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	AVG
On-line Analyzers	AVG	AVG	AVG	AVG	AVG								
	mg/L	mg/L	mg/L	mg/L	mg/L								
JVWTP	0.61	0.59	0.66	0.68	0.61	*	*	0.81	0.71	0.66	0.75	0.75	
SERWTP	0.75	0.74	0.74	ANW	0.69	0.79	0.77	0.74	0.76	0.68	0.68	0.69	
1145 E. Webster Dr. Well	*	*	*	*	*	*	*	*	*	*	*	*	
1453 E. 9400 S. Well	*	*	*	*	*	*	*	*	*	*	*	*	
1500 E. 8600 S. Well	0.76	0.70	0.53	0.63	0.77	0.84	0.80	0.72	0.53	0.60	0.62	0.60	
1850 E. Newbury Dr. Well	*	*	*	*	0.60	*	*	*	*	*	*	*	
Well Field Collection Station	0.75	0.66	0.52	0.54	0.65	0.65	0.61	0.62	0.37	0.61	0.62	0.55	
275 E. Carol Way Well	*	*	*	*	*	*	*	*	*	*	*	*	
1028 E. College St. Well	*	*	*	*	*	*	*	*	*	*	*	*	
4670 S. 1590 E. Well	*	*	*	*	*	*	*	*	*	*	*	*	
1364 E. 6400 S. Well	0.82	0.90	0.80	*	0.82	0.87	0.90	0.82	*	*	0.79	0.76	
8574 S. Moniter Dr. Well	*	*	*	*	0.99	0.79	0.84	0.91	*	*	*	*	
1330 E. 8200 S. Well	*	*	*	*	*	*	*	*	*	*	*	*	
1300 E. 7000 S. Well	0.79	0.73	0.69	0.59	0.65	0.50	0.44	0.49	0.42	0.40	0.69	0.73	
9390 S. Solena Way Well	*	*	*	*	*	*	*	*	*	*	*	*	
1100 E. 4500 S. Well	0.64	0.70	*	*	*	*	*	*	*	*	*	*	
10730 S. 1300 E. Pump Sta.	0.75	0.72	0.77	0.70	0.73	0.84	0.84	0.82	0.53	0.42	0.63	0.62	
250 E. 11400 S.	0.93	0.77	0.67	0.74	0.72	0.66	0.77	0.79	0.54	0.86	0.75	0.74	
1200 E. 9400 S.	0.73	0.71	0.69	0.64	0.72	0.78	0.77	0.83	0.57	0.59	0.67	0.67	
8200 S. 1300 E.	0.72	0.67	0.62	0.65	0.64	0.75	0.80	0.80	0.52	0.64	0.65	0.64	
300 E. 4500 S.	0.69	0.64	0.60	0.60	0.51	0.49	0.48	0.49	0.64	0.71	0.72	0.68	
9000 S. on JA-2	0.71	0.68	0.83	0.73	0.67	ANW	0.58	0.90	0.76	0.69	0.75	0.76	
Terminal Reservoir	0.73	0.70	0.67	ANW	ANW	ANW	0.40	ANW	ANW	ANW	0.72	0.71	
3200 W. 6200 S.	0.75	0.74	0.65	0.66	0.68	0.65	0.73	0.66	0.72	0.69	ANW	0.74	
Pony Express Vault	0.67	0.67	ANW	0.61	0.60	0.59	0.68	0.76	0.81	0.82	0.68	0.81	
Grab Samples													
2310 Alta Canyon Dr.	0.86	0.76	0.50	0.66	0.92	0.75	0.62	0.77	0.55	0.54	0.58	0.60	
2640 Wren Road	0.72	0.63	0.60	0.60	0.59	0.59	0.67	0.71	0.72	0.73	0.65	0.68	
1348 E. 5360 S.	0.90	0.84	0.56	0.54	0.69	0.68	0.79	0.52	0.41	0.42	0.72	0.70	
6565 S. 1300 W.	0.87	0.56	0.47	0.54	0.71	0.74	0.74	0.72	0.46	0.50	0.75	0.63	
Monthly Systm Avg	0.76	0.71	0.64	0.63	0.70	0.70	0.69	0.73	0.59	0.62	0.69	0.69	
									YTD Co	mbine	d Syster	n AVG	

Note: Bolded values represent sites and/or fluoride feeders that wer offline at various times throughout the month, yet representative of system water, so they are included as a monitoring site.

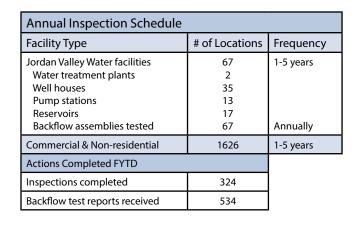
*= offline

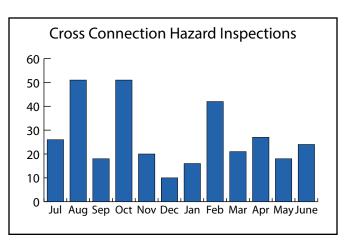
ANW = Analyer Not Working

Cross Connection Hazard Surveys Completed

Our Cross Connection Control Specialist routinely performs inspections at all non-residential retail customers and Jordan Valley Water facilities. The purposes of these inspections are to identify and prevent potential hazards of cross connections and provide advice on backflow prevention. We also monitor

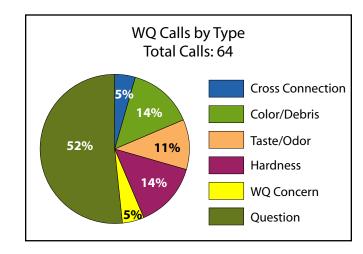
backflow reports from all non-residential customers and conducts backflow assembly tests for all Jordan Valley Water facilities. Staff strives to optimize the frequency of inspections and provide public education, to enhance the program.

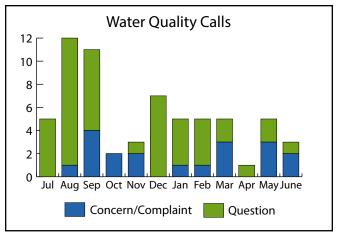




Water Quality Calls

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 Jordan Valley Water's credibility in the community. The Water Quality team makes it a priority to personally talk with each customer that calls in. 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.

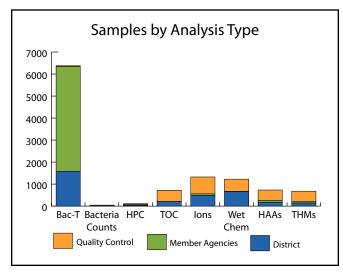


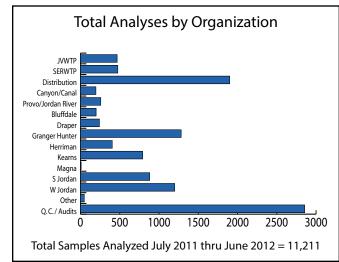


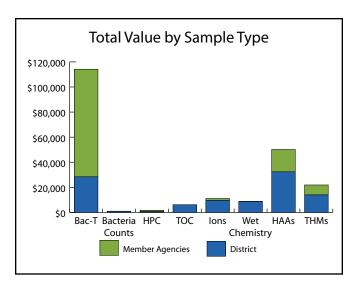
Jordan Valley Laboratory

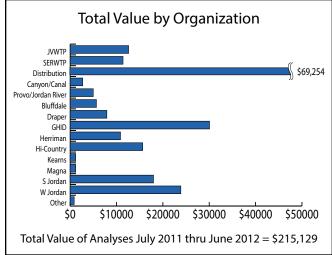
The Jordan Valley Laboratory (JV Lab) provides analysis services and general support for several departments of Jordan Valley Water. This allows Jordan Valley Water to lower the budget required for outside analysis and provide customized service. While it is not feasible for the JV Lab

to run every test required for Jordan Valley Water's various monitoring programs, it does maintain certification for the analyses that represent the largest load. The JV Lab also provides analytical services for many of Jordan Valley Water's Member Agencies at discounted prices.





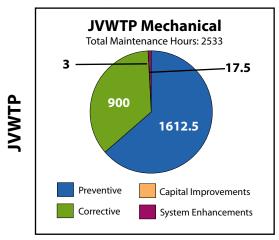


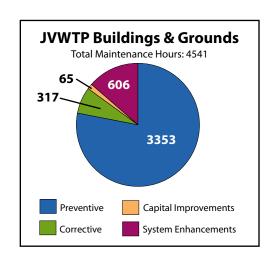


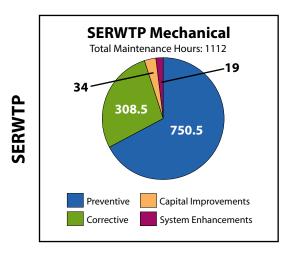
Treatment Plant Maintenance

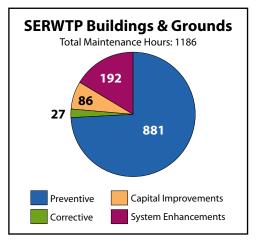
Optimizing maintenance is a primary goal for the Treatment Department. The objective of increasing preventive maintenance and improving the reliability of all equipment is to reduce the risk and liability of safety concerns, maintain an adequate inventory and reduce overtime.

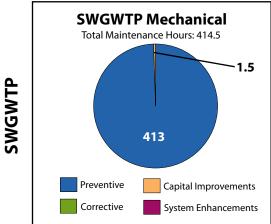
Hours Spent on Types of Maintenance

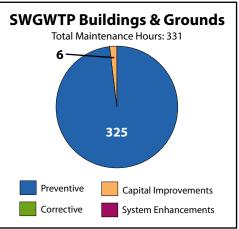












WATER CONSERVATION



Conservation Garden Park

Phases 2 and 3 of the Conservation Garden Park Expansion Project are largely complete. Phase 2 included a new entrance and parking lot as well as a bridge across the creek near the entrance. Phase 3 is the Education Center which unofficially opened in 2012. The official opening will occur in summer 2013 when the classrooms are no longer occupied by Jordan Valley Water administrative staff. The building is designed to LEED Platinum standards which is the highest level of 'green' building currently obtainable. The building includes interactive exhibits, office space and classrooms. 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 2011, nearly 20,000 walked its paths.

Community Outreach

Throughout 2012, efforts were made to increase public outreach efforts via social media. Staff has increased the Garden's presence on Facebook, Twitter, and Blogger. These social media outlets were effectively used to promote the first annual Plant Sale held in June 2012, and to launch the new Jordan Valley Home & Garden Club, which meets monthly in the Education Center.

Fundraising Efforts

The 2011-2012 fiscal year included the ongoing capital campaign for unfinished garden exhibits and Education Center interpretive elements. Fundraising efforts yielded:

FY 2010 - 2011								
Type Donor Total Amount								
CASH	Multiple	\$ 133,572						
IN=KIND	Multiple	\$ 28,260						

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) to landscape professionals in Utah. The training consists of 20 hours of in-class learning about materials, installation and maintenance practices of waterwise landscapes. Graduates will

be tested and certified by UNLA and a network of partners will work to promote QWEL certified landscapers to the general public.

Member Agency Assistance Program

Funds are allocated to assist member agencies in their water conservation efforts. Member agencies interested in funding assistance are invited to submit a proposal outlining their project, including costs and anticipated potential water savings to be achieved as a result of their project. The four agencies listed below completed projects in 2012. Kearns Improvement District also offered a toilet replacement program using Jordan Valley grant funds from the Division of Drinking Water.

Granger Hunter Improvement District South Jordan City City of South Salt Lake WaterPro

Examples of projects include a toilet replacement program, "smart" controller rebates, public education programs and irrigation system upgrades for public parks. As in years past, Jordan Valley will continue to require ongoing reporting and water use tracking.

Waterwise Landscaping Classes

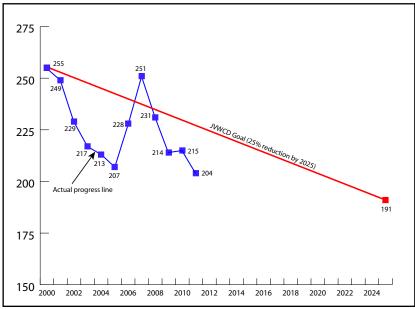
Each year Jordan Valley Water hosts a series of landscape classes centered on water efficient landscape principles. These classes are generally free to the public and the topics are geared toward home owners. The schedule is available on the web at www.SlowTheFlow.org, the Garden Park web site (www.ConservationGardenPark.org), and the Now Playing Utah website (www.NowPlayingUtah.com). Class schedules were distributed as a bill insert to a large portion of Jordan Valley's service area. Examples of 2012 class topics include drip irrigation, landscape design, pruning, maintenance, and plant selection. The option to register for classes online through our website has proven to be an effective method of controlling class sizes as well as encouraging attendance.

Number of Workshops and Participants in the Waterwise Landscaping Classes as of June 30:

Year	Number of Classes	Avg # of Participants	Total Partici- pants	
2005	13	28	369	
2006	14	29	411	
2007	21	23	474	
2008	18	29	518	
2009	23	22	501	
2010	20	19	377	
2011	14	47	651	
2012	19	42	803	
Total classes (since 2004):	147	29	4,271	

Long-Term Water Conservation Goal

Jordan Valley Water Conservancy District has a long term goal to decrease per capita water usage 25% by 2025. Continued progress toward that goal was made in 2011-2012 as water usage dropped from an average of 215 gallons per day per person to 204 gallons per day per person.



DISTRIBUTION

Well Summary

		Well	Avg		Annual				Vater Leve above pu	
	Location	Capacity (cfs)	Production (cfs)	Days of Operation	Production (AF)	Total Power Cost	Average Cost/AF	Max	Min	Avg
1	2500 E. Creek Rd	5.35	2.96	323.30	1,990.80	\$86,882.58	\$43.64	87	59	69
2	1787 E. Creek Rd	5.01				\$2,183.51		159	159	159
3	7751 S. 1300 East	4.01	2.66	26.50	140.30	\$11,473.83	\$81.78	153	133	144
4	7750 S. 1000 East	3.11	2.38	6.00	28.40	\$18,175.66	\$639.99	218	128	182
5	8200 S. 1000 East	2.01				\$1,140.96		183	164	175
6	7700 S. 700 East	5.57	4.07	74.00	586.80	\$37,657.31	\$64.17	213	162	193
7	8201 S. 700 East	2.23	1.92	31.70	127.90	\$13,657.24	\$106.78	247	184	221
8	1200 E. 9400 South	1.78				\$1,799.77		172	152	165
9	1364 E. 6400 South	6.00	3.94	231.30	1,724.90	\$75,346.26	\$43.68	224	170	195
10	8651 S. 1300 East	4.00				\$149.96		174	174	174
11	8184 S. 1330 East	7.00	4.10	32.00	260.70	\$16,909.12	\$64.86	227	185	215
12	1307 E. 6860 South	4.70				\$1,234.78		181	181	181
13	9125 S. 500 West	2.01				\$899.13		97	97	97
14	2090 E. 8600 South	2.45				\$2,039.44		137	136	137
15	1500 E. 9400 South	9.50				\$1,587.86		168	155	162
16	1530 W. 14600 South	4.46				\$1,672.99		144	139	143
17	300 E. 4500 South	0.70				\$1,026.35		200	200	200
18	9390 Solena Way	4.80				\$960.21		123	119	121
19	2300 E. 9800 South	4.12	3.17	1.00	6.30	\$9,563.51	\$1,518.02	157	137	154
20	1155 E. Webster Dr.	6.50	8.93	1.80	31.10	\$30,724.61	\$987.93	176	152	170
21	9003 S. Quail Hollow	2.20	2.38	129.00	609.90	\$48,916.23	\$80.20	199	127	168
22	1600 E. Siesta Drive	9.60	9.02	100.80	1,778.20	\$86,583.54	\$48.69	214	172	190
23	1526 E. 8600 South	8.50	8.47	1.90	32.70	\$16,960.56	\$518.67	186	153	176
24	8518 S. 960 East	6.00	5.52	137.20	1,581.90	\$100,360.15	\$63.44	203	108	166
25	1159 E. 4500 South	2.20	1.60	68.10	217.20	\$15,970.67	\$73.53	246	179	213
26	1850 E. Newbury Dr.	8.90	6.43	18.70	238.60	\$33,540.22	\$140.57	165	111	148
27	275 E. Carol Way	2.89				\$2,904.47		376	355	358
28	4670 S. 1590 East	3.78				\$2,167.83		410	410	410
29	1028 E. College Dr.	4.01				\$2,007.78		367	367	367
30	1784 E. Creek Rd	7.13	7.60	117.30	1,803.40	\$105,306.24	\$58.39	385	297	337
31	8578 S. Moniter Dr.	8.00	8.24	84.70	1,398.40	\$105,683.29	\$75.57	102	79	92
32	Prison Well*	0.89	0.74	152.00	224.56	*	*	N/A	N/A	N/A
	Totals/Averages:	148.52	4.90	81.49	12,557.50	\$835,486.06	\$64.80			

^{*}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.

Booster Pump Summary

	Location	Current Capacity (cfs)	Total Horsepower	Average Dynamic Lift (feet)	Production Average (cfs)	Annual Production (AF)	Total Power Cost	Average Cost/AF	Days in Operation
1	4706 Naniloa Drive	12	300	N/A			\$2,193.34		
2	4500 S. 4800 West	49	1625	200	14.21	3,065.10	\$63,190.22	\$20.62	159
3	6200 S. 3200 West	46	1500	180	15.58	13,257.30	\$207,439.33	\$15.65	365
4	3600 W. 10200 South	45	1900	350	8.38	4,221.90	\$174,634.11	\$41.36	209
5	5700 W. 10200 South	22	750	240	5.85	1,274.70	\$54,867.48	\$43.04	172
6	5820 S. 3800 West	25	650	180	8.90	2,869.80	\$50,048.81	\$17.44	174
7	110 E. 11400 South	24	1200	320	7.15	749.20	\$36,357.35	\$48.53	30
8	11574 S. 2580 East	4	170	260					
9	15305 S. 3200 West	8	400	280	3.24	404.31	\$11,728.78	\$29.01	351
10	3145 W. 11400 South	42	900	110	8.68	5,743.48	\$100,139.65	\$17.44	170
11	10730 S. 1300 East	22	400	100	8.53	430.60	\$15,101.72	\$35.07	32
12	13400 S. 3300 West	30	2400	495	9.65	1,819.00	\$107,920.58	\$59.33	165
13	3200 W. 11800 South	36	3000	495	30.96	7,939.60	\$403,297.17	\$50.80	285
14	6924 Old Bingham Hwy	20	800	280	7.11	30.79	\$10,754.80	\$349.30	8
	Totals/Averages:	385	15,995	268	10.69	41,805.78	\$1,237,673.34	\$29.55	177

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

Aquifer Storage & Recovery and Conjunctive Management

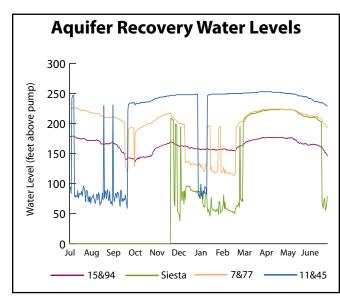
	Injected for underground storage (acre-feet)		100th C-			Total Well	
	33" System	16" System	108th So. (north flow)	Total	Net Saved ^a	Production	
Jul		192.73	1,231.40	1,424.13	1,231.40	683.00	
Aug		73.69	929.40	1,003.09	929.40	1,199.50	
Sep			412.80	412.80	412.80	998.60	
Oct			748.69	748.69	748.69	252.60	
Nov			399.08	399.08	399.08	1,981.10	
Dec			199.73	199.73	199.73	2,354.30	
Jan			10.84	10.84	10.84	2,436.00	
Feb			506.79	506.79	506.79	1,283.20	
Mar			614.66	614.66	614.66	255.00	
Apr			617.90	617.90	617.90	199.00	
May			526.99	526.99	526.99	335.70	
June			656.03	656.03	656.03	954.70	
Yearly Totals	0.00	266.42	6,854.31	7,120.73	6,854.31	12,932.70*	

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

ASR Water Quality Summary

Monitoring and reporting for the Aquifer Storage & Rcovery (ASR) project is regulated by the Division of Water Quality's Underground Injection Crontrol 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.

a) 10800 S. 1300 E. is the flow control/pump station on the 30-inch 1300 East pipeline between 11400 South and 9400 South. This pipeline and station allow Jordan Valley Water to convey water from either of its treatment plants to areas that before could only be fed by running wells (or buying water from MWDSLS). Any water from the treatment plants serving areas north through this station is considered "saved water" in Jordan Valley Water's conjunctive management agreement with Central Utah Water Conservancy District.



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.

System Equalization Storage Reservoir Summary

	Steel Reservoirs	Concrete Reservoirs	Constructed	Insp/Cleaned	Comments
2718 E. Durban Rd	1 MG		1956	3/2011	
(2800 E. 9400 South)	2 MG		1964	3/2011	
9785 Eastdell Dr (2300 E. 9800 South)		6 MG	1970	3/2007	
	1 MG		1956	12/2009	
4408 S. 4800 W.	2 MG		1956	4/2009	
(48th & 45th)	5 MG (east)		1965	3/2011	
	5 MG (west)		1969	3/2011	
	1 MG		1956	3/2009	
6011 W. 4700 S. (60th West)		6 MG	1966	10/2008	
(ootii west)		2 MG	1962	3/2009	
	2 MG (NE)		1961	3/2010	
6171 S. 3200 W. (32 & 62)	2 MG (SW)		1964	3/2010	
(32 & 02)	8 MG		1968	3/2009	
5200 W. 6200 S.		2 MG	1962	3/2009	
3582 W. 10200 S. (36 & 102)		3 MG	1981	2/2012	4/12 - Removed & replaced Sika Flex to prevent rain & snow infiltration
5631 W. Old Bingham Hwy (57th & 102)		3 MG	1981	2/2012	3/12 - Removed & replaced Sika Flex to prevent rain & snow infiltration
6924 W. Old Bingham Hwy		3 MG	1976	4/2007	
14408 S. 5600 W. (Rosecrest)		3 MG	2000	3/2009	
45205 C 2200 W	1 MG		1974	2003	
15305 S. 3200 W. (JVWTP)		8 MG	1974	1/2009	
(500011)		1 MG	1974	1996	
11574 S. Wyndcastle		1 MG	1983	3/2008	
(SERWTP)		3 MG	2003	3/2009	
		16.5 MG (bay 1)	1984		
Terminal Reservoir		16.5 MG (bay2)	1984	The Terminal	Reservoir is inspected and
5820 S. 3800 W.		33.5 MG (bay 3)	1997	cleaned ever	y spring.
		33.5 MG (bay 4)	1997		
14271 S. State		0.2 MG		5/2010	
(Prison/Minuteman)		0.4 MG		3/2010	
7600 S. New Bingham Hwy		3 MG (north bay)		3/2011	
(Zone D)		3 MG (south bay)		3/2011	

[&]quot;Inspected/cleaned" means last date reservoir was inspected, repaired and cleaned according to AWWA standards.

DISTRIBUTION

Vehicle Summary

251 - 2006 Chevy 1 Ton 4x4

253 - 2007 Chv 1/2 Ton pickup

252 - 2007 Chv 3/4 Ton Ext 4x4

254 - 2007 Chevy 3/4 Ton 4x4 36,683

256 - 2008 Chv 3/4 Ton Ext 4x4 46,766

257 - 2008 Chv 1/2 Ton Pickup 31,708

Vehicle Summary						Admin	= Distribu	ution = Tre	atment	=	= Water S	Supply	
VEH#/YR	MAKE & MODEL	END ODOM	GALLONS USED	MILES DRIVEN	MPG	MAINT. COSTS FYTD	VEH#/YR	MAKE & MODEL	END ODOM	GALLONS USED	MILES DRIVEN	MPG	
101 - 1997	Chevy 4x4 Blazer	105,080	40.7	700	17.20	\$ 237.04	259 - 2008	Chv 1/2 Ton Ext 4x4	26,089	809.9	7,048	8.70	Γ
103 - 2008	Chev 4x4 Trailblazer	53,722	604.4	10,076	16.67	\$ 134.36	260 - 2008	Chv 3/4 Ton Ext 4x4	61,255	1,332.2	17,269	12.96	r
104 - 2007	Toyota Camry	57,570	362.6	9,929	27.38	\$ 147.61	261 - 2009	Chv 1/2 Ton Ext 4x4	40,055	1,514.8	19,565	12.92	Γ
105 - 2001	Chevy Impala	71,972	326.3	6,931	21.24	\$ 121.49	300 - 2004	Ford F550 DESL	40,987	510.2	4,489	8.80	Г
106 - 2004	Chevy 4x4 Tahoe	61,818	583.0	7,294	12.51	\$ 114.23	301 - 2008	Ford F550 Svc Truck	58,211	2,413.3	15,866	6.57	Γ
107 - 2003	Chevy 4x4 Tahoe	121,489	362.0	5,865	16.20	\$ 330.31	302 - 2003	Ford F550 DESL	97,747	1,796.8	16,453	9.16	
109 - 1999	Ford Taurus	105,638	175.2	3,583	20.45	\$ 325.99	306 - 2007	Ford F450 DESL	56,204	1,349.8	8,951	6.63	
110 - 1999	Chevy 4x4 Tahoe	103,483	631.5	8,423	13.34	\$ 174.26	308 - 2008	Ford F550 Svc Truck	45,578	1,985.6	11,944	6.02	
111 - 2005	Chevy Impala	54,589	358.4	8,256	23.04	\$ 182.99	309 - 2006	Ford F550 DESL	60,782	1,302.1	8,280	6.36	
112 - '99	Ford Taurus	96,685	400.0	7,342	18.36	\$ 362.99	310 - 1997	Fd F350 Dump desl	95,410	383.8	3,972	10.35	
115 - '00	Ford Taurus	87,776	159.6	3,267	20.47	\$ 159.26	311 - 2009	Dodge 5500 Dump	23,145	902.6	8,458	9.37	
116 - '00	Ford Taurus	111,096	128.7	2,772	21.54	\$ 113.26	312 - 1999	Chevy HD 3500 svc	125,068	635.1	6,525	10.27	
117 - '05	Chevy 4x4 Tahoe	114,821	460.7	6,943	15.07	\$ 120.50	313 - 2008	Dodge RAM 5500	39,498	1,234.9	12,663	10.25	
118 - '08	Ford Expedition 4x4	87,180	1,207.2	17,660	14.63	\$ 146.98	406 - 1999	Intl 4900 Dump desl	60,450	806.9	5,452	6.76	
201 - '09	Chevy 1/2 Ton 4x4	16,931	473.6	7,095	14.98	\$ 100.67	409 - 2004	Intl 4400 Dump desl	32,203	755.0	3,906	5.17	L
202 - '09	Chevy 1/2 Ton 4x4	19,788	526.4	7,286	13.84	\$ 70.23	410 - 2009	NAT 7600 Dump	18,820	1,534.3	5,514	3.59	
203 - '09	Chevy 1/2 Ton 4x4	36,952	845.0	13,048	15.44	\$ 98.36	411 - 2009	NAT 7600 Dump	17,667	1,583.5	5,211	3.29	
204 - '99	Chevy 4x4 Blazer	78,175	224.4	3,416	15.22	\$ 477.43	700 - 2011	Dodge Nitro SE 4x4	15,194	733.5	14,074	19.19	
206 - '04	Chevy Ventura Van	100,302	798.4	14,546	18.22	\$ 547.89	701 - 2011	Ddg 1/2 Ton Ext 4x4	13,336	981.9	12,418	12.65	
211 - '03	Chev 1/2 Ton pkup	75,770	293.1	3,555	12.13	\$ 103.36	702 - 2011	Ddg 1/2 Ton Ext 4x4	11,615	802.0	11,053	13.78	
215 - '99	Chevy 1/2 Ton pkup	137,053	708.4	9,712	13.71	\$ 671.52			TOTALS:	57,506.2	663,313	11.53	
219 - '03	Chv 1/2 Ton Ext 4x4	129,399	161.2	1,835	11.39	\$ 130.39							L
223 - '07	Chv 1/2 Ton Ext 4x4	88,657	1,190.2	16,696	14.03	\$ 726.97							
225 - '00	Chv 1/2 Ton pickup	121,037	557.1	10,312	18.51	\$ 282.75							
227 - '01	Chv 1/2 Ton Ext 4x4	127,309	338.3	4,443	13.13	\$ 254.28							
228 - '09	Chv 3/4 Ton Ext 4x4	35,275	851.1	10,766	12.65	\$ 472.48							
229 - '09	Chv 3/4 Ton Ext 4x4	26,883	640.8	7,786	12.15	\$ 94.73							
230 - '04	Chv 1/2 Ton Ext 4x4	191,085	350.6	5,317	15.16	\$ 0.00							
234 - '02	Chv 1/2 Ton Ext 4x4	130,210	613.0	8,791	14.34	\$ 921.24							
235 - 2004	Chv 1/2 Ton pickup	83,261	446.7	6,678	14.95	\$ 130.60							
236 - 2005	Chv 3/4 Ton Ext 4x4	83,562	1,242.0	12,594	10.14	\$ 489.63							
237 - 2005	Chv 1/2 Ton pickup	63,154	1,055.9	13,504	12.79	\$ 981.56							
238 - 2005	Chv 1/2 Ton Pickup	66,085	310.2	3,696	11.92	\$ 234.16							
239 - 2005	Chevy Colorado 4x4	91,387	484.2	8,997	18.58	\$ 235.25							
245 - 2003	Chevy 3/4 CB 4x4	99,513	802.9	9,036	11.25	\$ 798.40							
246 - 2008	Chv 3/4 Ton Ext 4x4	31,330	826.6	8,998	10.89	\$ 73.23							
247 - 2008	Chv 3/4 Ton Ext 4x4	29,400	1,637.7	17,143	10.47	\$ 524.60							
248 - 2008	Chv 3/4 Ton Ext 4x4	30,882	1,106.4	14,719	13.30	\$ 519.58							
249 - 2008	Chv 3/4 Ton Ext 4x4	64,038	1,746.1	16,442	9.42	\$ 1,142.82							
250 - 2006	Chv 1/2 Ton Ext 4x4	109,235	2,139.7	28,932	13.52	\$ 1,596.41							

58,878 715.8 7,658 10.70

21,469 12.03

19,284 15.79

4,779 10.33

9,686 11.14 643.0 10,934 17.01 \$ 89.83

\$ 97.61

\$ 73.23

1,785.2

1,221.3

462.8

869.4

89.949

73,972

258 - 2008 Chv 1/2 Ton Pickup 46,001 1,091.8 12,889 11.80 \$ 1,224.86

255 - 2008 | Chv 3/4 Ton Ext 4x4 | 55,492 | 1,178.2 | 13,119 | 11.13 |

\$ 107.41

\$ 233.76

\$ 204.26

\$ 443.31

\$ 577.06

\$ 988.30

\$ 217.05

\$ 562.21

\$ 449.90

\$ 262.03

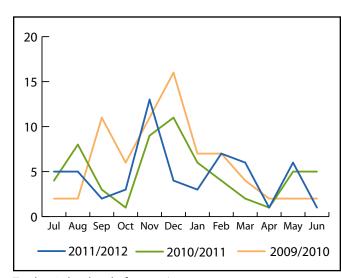
\$ 991.55

\$ 112.94

\$ 51.03

\$ 65.24

Pipeline Breaks



Total main line breaks for 2011/2012 = 56Total main line breaks for 2010/2011 = 59Total main line breaks for 2009/2010 = 72

New Retail Connections

	D	istric	t (size)		Cor	ntrac	tor (s	ize)	
Month	3/4"	1″	1.5"	2″	3″	4"	6"	8″	Totals
July				1					1
August	3	1							4
September									
October									
November									
December									
January		2							2
February				1					1
March									
April									
May	2	1							3
June									
Totals	5	4	0	2	0	0	0	0	11

Total new retail connections for 2010/2011 = 13 Total new retail connections for 2009/2010 = 14

Total new retail connections for 2008/2009 = 39 (one 8" contractor connec-

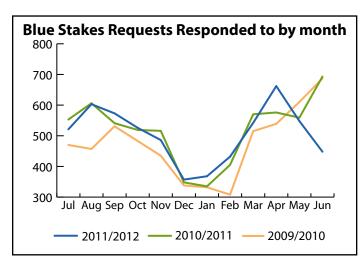
Inspections/Locations Summary

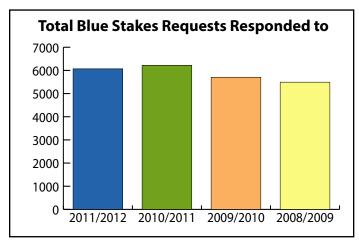
	Blue Stakes Requests	Blue Stakes Responded	Water Crossings			Gas Crossings	Power/Com Crossings	
July	1509	521	3	8	1	2	6	
Aug	1575	603	8	1	1	2	5	
Sept	1381	573	4	1	5	3	6	
Oct	1300	526	3	1	3	2	4	
Nov	1048	486	14	2	4	2	6	
Dec	820	357	1	2	2	2	7	
Jan	752	368	0	3	2	2	4	
Feb	929	432	1	1	2	1	6	
Mar	1213	542	1	3	3	4	7	
Apr	1641	662	2	2	3	2	3	
May	1739	548	3	1	6	7	23	
Jun	1387	448	2	3	3	4	12	
Totals	15,294	6,066	42	28	35	33	89	

	Fire Lines Installed	Hydrants Installed	Connections Installed*	Hot Taps Performed	Scheduled Shutdowns**
July	1	0	0	1	7
Aug	0	2	14	1	0
Sept	0	1	3	1	7
Oct	0	2	21	0	2
Nov	0	0	0	0	0
Dec	0	0	0	0	0
Jan	0	0	0	0	0
Feb	0	1	16	0	0
Mar	0	0	0	0	4
Apr	0	1	8	0	0
May	0	1	0	1	2
Jun	0	0	0	0	3
Totals	1	8	62	4	25

^{*}All connections installed by contractor - all 3/4"

Blue Stakes Summary





Pipeline/Valve Summary

	Linear feet	Miles of	
Size of Line	of pipe	pipe	# of Valves
2 inch	200	0.04	77
3 inch - 4 inch	35,707	6.76	235
6 inch	369,003	69.89	1,234
8 inch	192,196	36.40	493
10 inch	38,749	7.34	105
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	1,513,823	286.71	2,646
Tota	al fire hydrants		1,332

Updated 8/06/12<u>Update includes</u>:

- Wallace/Stratton (5600 S./5115 S.)
- Highland Lake (920 E. 5750 S.)
- Revere (5600 S./5115 S.)
- 900 East replacement (I-215/5290 S.)
- Terra Sol PUD (300 E. Penny Ave.)

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

Capital Projects

A summary of the projects which were completed by the Engineering Department in 2011-2012 are shown on Jordan Valley Water's web site under "Engineering Projects" (http://www.jvwcd.org/projects/default.aspx). The Completed Project Reports for 2011-2012 are listed on the right side of the site.

Projects completed this year include:

- 10200 South Pipeline
- 3200 West Pipeline
- 900 East Distribution Pipeline Replacement
- Murray & Holladay Distribution Pipeline Replacements
- JVWTP Chlorine Dioxide Project
- Replacement Particle Counters for JVWTP, SERWTP, and SWGWTP
- SERWTP Electrical Stand-by Generator
- Southwest Aqueduct Reach 2
- Welby Jacob Headworks Automation



Photos, top to bottom:

- Construction of the Southwest and Jordan Aqueduct interconnect vault at JVWTP
- 11400 South 3200 West Control Vault
- Installing generator at SERWTP



Property Location	Size	Project	Total Acquisition Costs
1900 South 200 East Kaysville	1.4 acres (3 lots)	Wasatch Front Regional Pipeline Right of Way	\$421,400

Water Rights Acquired 11/12

Yi	eld (Acre Feet)
Utah Lake Irrigation Stock	N/A
Jordan River Rights	N/A
Provo River Irrigation Stock	41.71
Provo Reservoir Contained Water Stock*	5,680.07

^{*}Contained water stock acquired April 1, 2010 - June 30, 2012

ADMINISTRATION

Personnel - Employee History

	Calendar Year 2012	Calendar Year 2011	Calendar Year 2010	Calendar Year 2009	Calendar Year 2008
Full-time authorized positions:	136	136	136	135	135
Part-time positions:	4	5	5	5	3
New positions authorized:	0	0	1	0	2
			Water Supply Maintenance Lead		Lead Conservation Garden Horticulturist 2) Facilities Maint. Grounds Supervisor
Turnover - # of Terminations	not yet available	3	8	9	10
Turnover rate:	not yet available	2.17%	5.6%	6.4%	7.14%
Employees per 1,000	1.01	1.18	1.08	1.18	
AF de	livered per employee:	988	847	923	846

Personnel Costs

Increase over previous year

- Single

- 2-party

\$7.00

\$15.00

\$21.00

0.0%

History of Salary Increases (effective date)	July 2012	July 2011	July 2010	July 2009	July 2008	July 2007
COLA	0.0%	0.0%	0.0%	0.0%	3.2%	1.0%
Merit (avg)/or step	2.5% or step	2.96%	0.0%	3.0% or step	1.1%	3.5%
- merit range	0 to 4.76%	0% to 6.62%	N/A	2.86% to 4.52%	N/A	0% to 8.5%

	Personnel Budget	2012/2013	2011/2012	2010/2011	2009/2010	2008/2009	2007/2008
ı	Salary & benefits	\$12,959,432	\$12,642,170	\$12,580,562	\$12,270,722	\$11,485,853	\$10,343,991
-	Increase over previous year	2.51%	0.49%	2.53%	6.83%	11.04%	3.4%

Health Insurance Plan & Costs: (see charts next page)	Calendar 2012	Calendar 2011	Calendar 2010	Calendar 2009	Calendar 2008	Calendar 2007
Medical Plan 1 (monthly premium)	SelectHealth	SelectHealth	ValueCare	ValueCare	ValueCare	ValueCare
- Single	\$467.20	\$467.20	\$462.50	\$420.50	\$380.80	\$380.60
- 2-party	\$1,004.30	\$1,004.30	\$994.30	\$903.90	\$818.70	\$818.20
- Family	\$1,377.70	\$1,377.70	\$1,364.20	\$1,240.10	\$1,123.20	\$1,122.50
Increase over previous year	0.0%	0.9%	10.0%	10.4%	0.06%	14.1%
Medical Plan 2 (monthly premium)	SH HDHP	SH HDHP	HealthWise	HealthWise	HealthWise	HealthWise
- Single	\$420.80	\$420.80	\$431.30	\$392.10	\$355.10	\$354.90
- 2-party	\$904.70	\$904.70	\$927.20	\$842.90	\$763.40	\$762.90
- Family	\$1,241.10	\$1,241.10	\$1,272.00	\$1,156.30	\$1,047.30	\$1,046.70
Increase over previous year	0.0%	-2.4%	10.0%	10.4%	0.06%	12.0%
Dental Plan (monthly premium)	ЕМІ	EMI	Aetna Dental	Aetna Dental	Delta Dental	Delta Dental
- Single	\$36.10	\$33.70	\$37.29	\$37.29	\$31.05	\$28.36
- 2-party	\$76.80	\$71.75	\$78.52	\$78.52	\$65.40	\$56.63
- Family	\$123.20	\$115.10	\$119.77	\$119.72	\$99.76	\$86.37
Increase over previous year			0.0%	20.1%	15.5%	-37.9%
Vision Plan (monthly premium)	Self Insured					

\$6.97

\$15.00

\$20.56

0.0%

\$6.97

\$15.00

\$20.56

0.0%

\$6.97

\$15.00

\$20.56

0.0%

\$6.97

\$15.00

\$20.56

-33.0%

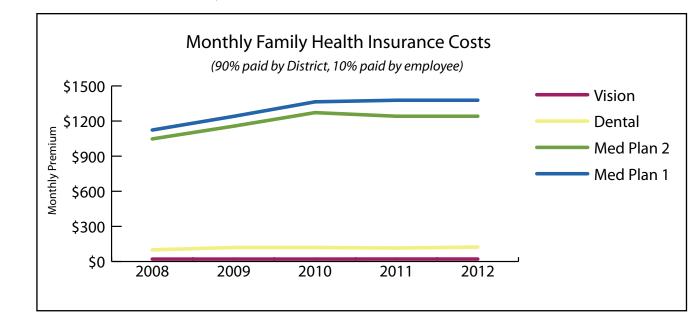
\$7.00

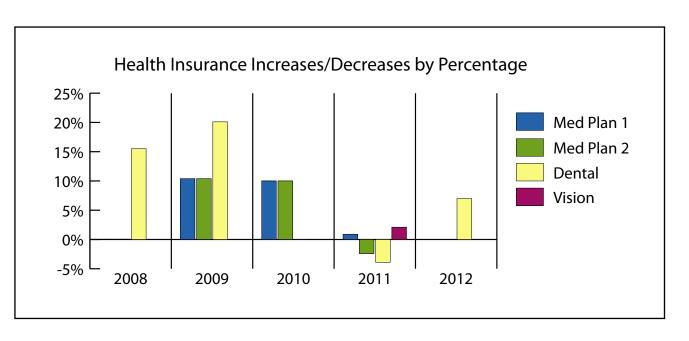
\$15.00

\$21.00

2.1%

Personnel - History of Insurance Costs





ADMINISTRATION

Safety Track 2011-2012

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	1	0	0	0	0	0	0	0	0	0	0	1
OSHA recordable injuries	0	1	0	0	0	1	0	1	1	1	0	1	6
Vehicle crashes	1	1	2	0	0	1	1	0	0	0	2	1	9
Days since last Lost Time Injury: 313 (8/22/11) Best record for Lost Time Injury: 576													

Days since last Vehicle Crash: 18 (6/12/12)

Distribution Department Safety Track Summary

	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	FYT
Lost time injuries	0	1	0	0	0	0	0	0	0	0	0	0	1
OSHA recordable injuries	0	1	0	0	0	0	0	1	1	1	0	1	5
Vehicle crashes	1	0	1	0	0	0	0	0	0	0	2	0	4

Days since last Lost Time Injury: 313 (8/22/11) Days since last Vehicle Crash: 32 (5/29/12)

Best record for Time Without a Vehicle Crash: 427

Best record for Lost Time Injury: 1,058

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	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	0	0

Days since last Lost Time Injury: 549 (12/29/10)

Best record for Lost Time Injury: 1,365 Days since last Vehicle Crash: 549 (12/29/10) Best record for Time Without a Vehicle Crash: 549

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	1	1	0	0	1	1	0	0	0	0	0	4
			_										

Days since last Lost Time Injury: 1,174 (4/13/09)

Days since last Vehicle Crash: 179 (1/31/12)

Best record for Lost Time Injury: 3,581 Best record for Time Without a Vehicle Crash: 1,044

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	1	0	0	0	0	0	0	1
Vehicle crashes	0	0	0	0	0	0	0	0	0	0	0	1	1

Days since last Lost Time Injury: **522** (1/25/11)

Days since last Vehicle Crash: 18 (6/28/12)

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

2011/2012 OSHA Recordable Injuries^a

Date	Type of Injury	Light duty restriction (days)	Days away from work	Total PTD (Workers Comp)	Dept
08/22/11	Back Strain	110	103	\$37,866	Dist
12/13/11	Arm Strain	0	0	\$3,992	Admin
02/28/12	Tooth Fracture	0	0	\$2,297	Dist
03/20/12	Knee Strain	89	0	\$4,921 ^b	Dist
04/18/12	Concussion	0	0	\$3,953	Dist
06/06/12	Arm Strain	24 ^b	0	\$1,088 ^b	Dist
Total	6	223	103	\$54,117	

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- Not a final total. This claim is still open.

Fiscal Year Totals 10/11 09/10 08/09 07/08

Fiscal Year Totals

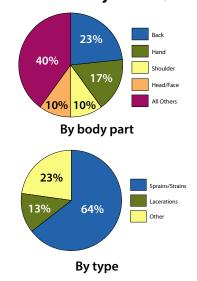
10/11 09/10 08/09 07/08 0

0

3

10

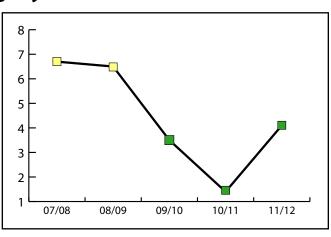
OSHA Recordable Injuries 07/08-11/12



OSHA Recordable Injury Incident Rates

Fiscal Year	Avg emp hrs wrkd ^a	# of Injuries	Incident Rate ^b	Total PTD (Wkrs Comp)
2007/2008	270,000	9	6.7	\$66,591
2008/2009	276,000	9	6.5	\$9,687
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

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)



OSHA Recordable Injury Incident Rates by Department

	07/08	08/09	09/10	10/11	11/12	5-yr avg
Admin	2.1	0.0	1.9	1.9	1.9	1.6
Distribution	10.4	14.6	4.1	0.0	10.0	7.8
Treatment	3.3	0.0	3.1	3.1	0.0	1.9
Water Supply	0.0	40.0	10.0	0.0	0.0	10.0

Performance Measures



PTD = Paid to date.

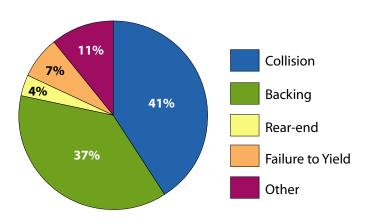
b-Total injuries x 200,000, divided by "# of employee hours worked"

2011/2012 Vehicle Crashes^a

Date	District Cost	Туре	Dept
07/13/11	\$1,072	Backing	Dist
08/29/11	\$586	Backing	WS
09/29/11	\$1,432	Collision	Dist
09/29/11	\$820	Collision	WS
12/21/11	\$1,272	Other	WS
01/03/12	\$101	Backing	WS
05/08/12	\$0	Backing	Dist
05/24/12	\$716	Collision	Dist
06/12/12	\$0	Collision	Admin
Cost FYTD	\$5,999		

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.

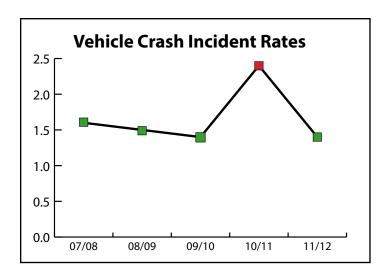
Vehicle Crash Types 07/08 - 11/12



Vehicle Crash Incident Rates

Fiscal Year	# of Miles Driven	# of Crashes	Incident Rate ^a	District Cost ^b
2007/2008	674,505	11	1.6	\$6,812
2008/2009	669,875	10	1.5	\$17,464
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

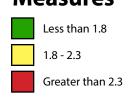
a-Total crashes x 100,000, divided by "# of miles driven." b-Total cost for all repairs and medical expenses paid by JVWCD or its insurance carriers for all parties involved.



Vehicle Crash Incident Rates by Department

	07/08	08/09	09/10	10/11	11/12	5-yr av
Admin	0.0	1.1	1.1	2.3	1.1	1.1
Distribution	2.4	0.9	1.8	2.9	1.1	1.8
Treatment	1.2	2.5	0.0	2.3	0.0	1.2
Water Supply	1.3	2.6	1.5	1.4	2.9	1.9

Performance Measures



Retail System Connections Information

Retail service connections	2011/2012	2010/2011	2009/2010	2008/2009	2007/2008
Residential (single family or duplexes)	7,695	7,665	7,664	7,625	7,601
Large water users* ("900" accounts)	843	835	834	829	850
Active retail connections as of year end	8,538	8,500	8,498	8,454	8,451
Fire lines	240	240	240	235	228

TOTAL CONNECTIONS	8,778	8,740	8,738	8,689	8,679
Increase/decrease in active retail connections	38	02	49	10	65

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

Administration

Review of 2011/2012 Budget

Sources of funds	2011/2012 <u>Budget</u>	Preliminary Actual* as of 6/30/2012	<u>% FYTD</u>
Wholesale water sales	\$30,854,768	\$33,441,341	108%
Retail water sales	4,831,581	4,800,589	99%
Tax revenue	12,630,693	13,371,871	106%
Interest income	567,333	619,336	109%
Misc. operating & non-operating revenue	1,941,239	1,240,463	64%
Connection/development fees	180,245	178,950	99%
Capital projects fund (gross)	46,020,813	46,544,248	101%
Total sources	\$97,026,672	\$100,196,798	103%
<u>Uses of funds</u>			
Water purchases	\$8,282,053	\$8,464,527	102%
Operation & maintenance expenses	6,068,768	5,678,234	94%
General & administrative expenses	3,896,719	2,896,693	74%
Personnel expenses	12,709,428	12,342,762	97%
Capital projects fund (gross)	46,020,813	46,544,248	<u>101%</u>
Total uses	\$76,977,781	\$75,926,464	99%
Net operating revenues	\$20,048,891	\$24,270,334	121%
Debt service payments	_(14,661,316)	_(14,743,311)	<u>101%</u>
Debt service coverage ratio	1.37	1.65	
Amount available to transfer to reserves			
Total from operations	\$5,387,575	\$9,527,023	177%
*Preliminary numbers pending audit.			

