

PROGRESS REPORT ON OPEN PROJECTS

March 2009

GRANTEE	DATE APPROVED	TOTAL GRANT AMOUNT	ENGINEER	OWNER'S REPRESENTATIVE	LAST STAFF SITE VISIT	PROGRESS
Walker River Irrigation District	3/13/02 Additional grant funds approved on 1/22/07 increasing total grant amount	\$4,262,750.00 \$6,685,163.19	Farr West, Lumos, RO Anderson, Black Eagle	Ken Spooner	Feb-08	The diversion structure, spillway, and levee are complete. Remote control of the gates via the SCADA system is in progress. The outlet tunnel investigation is now complete with no significant deficiencies noted. The project is in the process of closing.
Kingsbury GID	6/26/02 Additional grant funds approved on 8/23/06 increasing total grant amount Extended funding agreement by 2 years on 6/19/08 with no further increase in grant funds	\$5,099,853.10 \$9,505,311.39	Amec	Cameron McKay	Aug-08	The final pipeline replacement (Palady Perkins) is now complete. Services and meters will be completed in this area in the 2009 construction season. The final project element for Phase 1 is Tank 10B. The plans for Tank 10B call for the installation of a pre-stressed concrete tank on property adjacent to the existing Tank 10A. The tank project went out for bid in February 2009. Construction is planned for the 2009 construction season.
Wells	12/5/02 Additional grant funds approved on 1/27/05 increasing total grant amount	\$757,375.60 \$1,102,310.09	TRW Engineering	Jolene Supp	Dec-08	The installation of the well, well house, chlorination system, and SCADA are complete. The new tank has been constructed and the security fence is installed. The tank will be primed and coated in the spring when the weather in Wells warms up. The transmission line from the tank to the distribution system will be bid separately in the spring 2009. The City secured additional funding from CDBG for this part of the project.
Washoe Co for Heppner Subdivision	3/31/04	\$1,280,300.00	Washoe County	Joe Stowell	Feb-09	The Heppner mains and services are complete. Construction of the new storage tank, transmission line, and booster pumps also are complete. Funding from the grant was used to install a new transmission line from Matterhorn Blvd along Oregon Blvd to the new storage tank in the Heppner subdivision to allow efficient use of the imported water from Fish Springs Ranch. Improvements to Lemmon Valley Well #8 are on hold indefinitely. This project is in the process of closing.

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Washoe Co for Spanish Springs	1/27/05	\$4,000,000.00	Washoe County	Joe Stowell	May-07	<p>The 1st of a 9-phase sewer project is complete. The entire project is expected to take 20 years.</p> <p>The Phase 1A sewer project is complete and approximately 171 homes have abandoned their septic systems and connected to the new sewer to date. The County is now waiting for federal grant funding to begin installation of the next sewer line phase. The next project phase may begin in 2009 pending the resolution of funding issues.</p>
Virgin Valley Water District	1/27/05 Additional grant funds approved on 6/19/08 increasing total grant amount	\$2,000,137.00 \$3,284,177.16	Bowen, Collins & Associates	Mike Winters	Dec-08	<p>The new coagulation-filtration arsenic treatment facilities for the 2 Bunkerville sites are approximately 90% complete. Start-up is anticipated in late March to early April 2009.</p> <p>In January 2009, the District raised water rates for Bunkerville commensurate with the requirements of the Board's policy to meet the conditions of the amended funding agreement.</p>
Metropolis Irrigation District	1/25/06 Extended funding agreement by 1 year on 9/25/08 with no further increase in grant funds	\$489,467.40	Dyer Engineering	Vernon Dalton	Feb-09	<p>Engineering design and environmental and cultural assessments for BLM permitting is currently in progress. Soil boring/sampling was conducted in August 2008.</p> <p>In January 2009, staff met with NDOW and State Parks to discuss their participation in the funding of a recreation area at the proposed Bishop Creek Reservoir. A subsequent meeting was held in February with the BLM and others to review the BLM requirements to complete permitting. Environmental and cultural assessments for the dam and reservoir appear to be nearly complete; however, there is still considerable work to be done for the recreation facilities.</p>
Beatty Arsenic PER	5/3/06 Extended funding agreement by 1 year on 9/25/08 with no further increase in grant funds	\$51,850.00	Farr West	Ray Williams	Dec-08	<p>Two technologies were pilot tested: 1) coagulation/filtration with alum addition as the coagulant and 2) electrochemical flocculation (ARS). ARS involves replacing the alum with large, electrically charged aluminum plates.</p> <p>Staff is awaiting receipt of the PER document with the recommended arsenic mitigation project.</p>

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Yerington Arsenic PER	5/3/06	\$47,600.00	Farr West	Dan Newell		<p>Pilot testing of adsorption media is complete. No coagulation-filtration technologies were pilot tested. A final decision on the type of arsenic treatment (adsorption or coagulation-filtration) has not been made.</p> <p>It does not appear that Yerington will seek state grant funding for the construction of arsenic treatment facilities.</p>
Pershing Co Water Conservation District	5/3/06 The original grant was closed & the remaining funds from that grant and additional grant funds were approved on a new grant on 9/20/07 for the Rogers Dam	\$3,956,282.50 \$3,663,021.45	Farr West & Dyer Engineering	Bennie Hodges	Jan-09	<p>Engineering design and permitting of the Pitt Taylor (aka Thacker) Diversion Dam and Diversion Structure is currently in progress. This is the only other project element currently approved for funding by the Board.</p> <p>The District is planning to seek grant funding from this program for construction of the new Pitt Taylor Diversion Dam, Diversion Structure, Pitt Taylor Diversion Canal and the necessary work on the Pitt Taylor Reservoirs at the June 2009 Board meeting.</p>
LVVWD for Searchlight	8/23/06	\$2,536,522.34	LVVWD	Dianna Ballash	Aug-07	<p>All four exploratory wells are complete. Two wells were to become production wells while the other two exploratory wells were to become monitoring wells. An approved EA was required by the BLM prior to exploratory drilling and another EA is now required by the BLM for construction of production wells, pipeline, and appurtenances.</p> <p>Issues with Areas of Critical Environmental Concern will preclude well construction of several of the originally planned monitoring wells but should not affect the new production wells. The engineering design for the new wells and appurtenances is in progress. Drilling of the new wells will begin as soon as BLM approval of the EA and ROW is received.</p>
LVVWD for Kyle Canyon – Ph 2 & 3	11/09/06	\$3,202,511.74	LVVWD	Kara Petersen	Sep-08	<p>Due to the short construction seasons, this project will likely take 3 summers to complete. Installation of upgraded/new mains, services, and meters at Echo View and Cathedral Rock were completed in November 2008. Replacement of mains and services and installation of meters will be completed in Upper Rainbow and Old Town in 2009. The Upper Rainbow/Old Town project phase went out to bid in January 2009.</p>

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Topaz Ranch Estates	3/14/07	\$1,471,452.01	TEC	Larry Offenstein	Feb-09	The project for the new well and replacement of the water main (on Sandstone, Granite, Gray Hill and Limestone) – Project Phase 3 – was awarded to Atlas Contractors. Construction began in November 2008 with the drilling of the new well. The pipeline, service connections and well are now complete. The well house and controls are currently in progress.
Lyon Co Utilities for Crystal Clear	9/20/07	\$2,663,635.00	Farr West	Mike Workman	Feb-09	<p>The project that will tie Crystal Clear to the Yerington water system, install a new storage tank at Crystal Clear, and upgrade mains and services in the subdivision was awarded to Cambell Construction. Construction began in November 2008. Issues with undisclosed Verizon phone lines in the right-of-way planned for the new transmission main required significant effort from the contractor and some redesign.</p> <p>The mains and services in the system are complete, the tank is constructed (coating prep and coating will take place in March – weather permitting) and Cambell Construction is now working on the transmission main and booster station between Yerington and Crystal Clear.</p> <p>Mike Workman will present an update on the project at the March 2009 Board meeting.</p>
Lovelock Meadows Phase II	12/13/07	\$3,000,000.00	Farr West	Tom Glab	Apr-08	The new well will be drilled in the well field in Oreana between existing wells 5 and 7. Design of the Phase 2 pipeline improvements is nearing completion. The District intends to bid the well and pipeline separately.
Moapa Valley	12/13/07	\$4,000,000.00	Bowen, Collins & Associates	Brad Huza	Dec-08	The Arrow Canyon arsenic treatment plant was brought on line in January 2009. The Baldwin Springs plant is expected to be on line in March 2009. The water system is in compliance with the arsenic rule.
Alamo Arsenic Mitigation PER	3/20/08	\$102,216.75	Farr West	James Poulsen	May-08	This PER will include water quality sampling, well testing, and possibly arsenic pilot testing. Packer testing of the industrial well was completed in October 2008.

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Battle Mountain Arsenic Mitigation PER	3/20/08	\$117,000	Shaw Engineering	Hank Blair	Sep-08	<p>The drilling of the exploratory wells was bid in August with only one bid received from Eklund Drilling. Eklund (now Boart Longyear) drilled the first exploratory hole in Nov 2008 hitting bedrock at 240' and continuing to 800'. Sample results showed arsenic levels <5ppb at all depths.</p> <p>Eklund drilled a second exploratory hole the last week in Nov 2008 near the golf course (northwest of the first exploratory hole); 600' of which was in gravels. Favorable water quality was also observed in the water chemistry from this hole. The residents who rely on private wells are concerned about municipal development in this area south of town. Their wells have experienced significant drawdown in the past few years.</p> <p>Battle Mountain is reconsidering the options available to them for a new municipal supply (either near the exploratory wells or in Copper Basin) vs treatment.</p>
Gabbs Phase II PER	6/19/08	\$63,920	Day Engineering	Oz Wichman	Oct-08	<p>The initial PER for the town of Gabbs was completed in April 2008. A new source of supply may be possible and exploratory drilling was recommended prior to pursuing a construction project.</p> <p>An exploratory well was drilled near the airport in December 2008. Water quantity met expectations; however, the water quality testing revealed arsenic at approximately 17-18 ppb and fluoride at approximately 9-10 ppm – both exceeding the MCL.</p> <p>Permission to test the water at the Holly Well (a stock water well) in Lodi Valley was granted. The water quality results indicate that the water chemistry meets the MCLs for arsenic and fluoride although arsenic is at the limit of 10 ppb. The engineer and County are discussing the possibility of drilling an exploratory well in Lodi Valley.</p>