

# PROGRESS REPORT ON OPEN PROJECTS

June 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. Staff is reviewing the final project documents and 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 was bid in the spring 2009 with the project awarded to Aspen Developers Corp. Construction began in May 2009.
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 is currently being primed and coated. The final project elements – the transmission line and booster station – were bid in the spring 2009 and construction is expected to begin in June 2009.
Washoe Co for Spanish Springs	1/27/05	\$4,000,000.00	Washoe County	Joe Stowell	May-07	The 1 <sup>st</sup> of a 9-phase sewer project is complete. The entire project is expected to take 20 years.  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.

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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	Apr-09	<p>The new coagulation-filtration arsenic treatment facilities for the 2 Bunkerville sites are complete. Four of the five treatment plants in Virgin Valley – including the two facilities in Bunkerville – are currently running under a start-up phase.</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>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 fairly straightforward. It is not clear what remains with respect to assessments for the recreation facilities or the dam as no final project proposal has been received by the BLM.</p> <p>Dyer Engineering delivered the design and bid documents for the dam in May 2009.</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 reviewing the PER. The arsenic treatment facility may be funded with federal stimulus money.</p>
Yerington Arsenic PER	5/3/06	\$47,600.00	Farr West	Dan Newell		<p>Pilot testing of adsorption media is complete. Coagulation/filtration was not pilot tested. A final decision on the type of arsenic treatment (adsorption or coagulation/filtration) has not been made. It does not appear that Yerington will seek state grant funding for the construction of arsenic treatment facilities.</p>

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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	May-09	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.  The District will seek grant funding from this program for construction of the new Pitt Taylor Dam and Diversion Structure, Pitt Taylor Diversion Canal and the necessary work on the Pitt Taylor Reservoirs at the June 2009 Board meeting.
LVVWD for Searchlight	8/23/06	\$2,536,522.34	LVVWD	Jordan Bunker	Aug-07	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.  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 complete. Drilling of the new wells will begin as soon as BLM approval of the EA and ROW is received.
LVVWD for Kyle Canyon – Ph 2 & 3	11/09/06	\$3,202,511.74	LVVWD	Jordan Bunker	Sep-08	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 was bid in January 2009 and construction for this phase is underway.
Topaz Ranch Estates	3/14/07	\$1,471,452.01	TEC	Larry Offenstein	June-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 were completed in April 2009. The well house and controls suffered delays due to permitting and power easements but are currently in progress.

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Lyon Co Utilities for Crystal Clear	9/20/07	\$2,663,635.00	Farr West	Mike Workman	May-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 development are complete as are the new storage tank, booster pumps and transmission main from the Yerington water system. Final tie-in, installation of the PRV and disinfection of the pipelines and tank will be completed in June.</p>
Lovelock Meadows Phase II	12/13/07	\$3,000,000.00	Farr West	Tom Glab	May-09	Drilling of the new backup well in Oreana began at the end of May 2009. Design of the Phase 2 pipeline improvements is complete and out for bid.
Moapa Valley	12/13/07	\$4,000,000.00	Bowen, Collins & Associates	Brad Huza	Apr-09	The Arrow Canyon and Baldwin Springs arsenic treatment facilities are on-line. The District held an open house on April 15, 2009. The project is in the process of close out.
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 and sampling of the industrial well was completed in October 2008.
Battle Mountain Arsenic Mitigation PER	3/20/08	\$117,000.00	Shaw Engineering	Hank Blair	Dec-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 three exploratory wells – 2 in the Lower Reese River Valley Basin (Hydrographic Basin 059) and 1 in Hydrographic Basin 064 (at the golf course). All exploration holes yielded water that met the MCL for arsenic.</p> <p>The PER was completed in May 2009. Battle Mountain is pursuing a project to drill new municipal wells in Basin 059 along with the installation of a new a tank and transmission line to meet the requirements for safe drinking water through a non-treatment option and to mitigate existing low system pressures and provide fire flow that is not dependent upon a booster pump system.</p>

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Gabbs Phase II PER	6/19/08	\$63,920.00	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 awaiting approval from the BLM for drilling an exploratory well in Lodi Valley.</p>
McGill – Ruth PER	3/04/09	\$34,000.00	Day Engineering	Wayne Cameron		<p>This PER amendment will investigate options to improve the reliability of the water supply to Ruth.</p>