

PROGRESS REPORT ON OPEN PROJECTS

December 2008

GRANTEE	DATE APPROVED	TOTAL GRANT AMOUNT	ENGINEER	OWNER'S REPRESENTATIVE	LAST STAFF SITE VISIT	PROGRESS
City of Caliente	3/14/02	\$2,021,314.72	Amec & Sunrise Engineering	April Nelson	May-07	The City has apparently decided not to use funding from the AB198 program for the future well. The remaining funding will be considered for deobligation at the December 2008 Board meeting.
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 also in progress.
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 main replacement (Palady Perkins) is now complete. Services will be completed next construction season. The final project element is Tank 10B. AMEC is redesigning this part of the project and using a concrete tank on the originally planned site above the existing Tank 10A. The District is also considering the possibility of a direct replacement of Tank 10A instead of building above the existing tank. Final design decisions are pending. The District delivered a Water Metering Plan at the Board's request in August 2008. The District has the capacity to assume additional debt for the meter project and has apparently decided to seek loan funds rather than grant funds.
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 is currently under construction. The transmission line from the tank to the distribution system will be bid separately in the spring 2009.

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Washoe Co for Heppner Subdivision	3/31/04	\$1,280,300.00	Washoe County	Joe Stowell	Dec-08	<p>Heppner Waterline Extensions Phase 1-3 and 5a are complete. With the improvements to Lemmon Valley Well #8 are on hold indefinitely, funding from the grant was used to install a new waterline from the tank transmission line at Ohio St to Matterhorn Blvd along Oregon Blvd to allow efficient use of the imported water from Fish Springs Ranch.</p> <p>Construction of the tank, transmission line, and booster pump are complete. This project is in the process of closing.</p>
Churchill County	<p>7/20/04</p> <p>Additional grant funds approved on 1/27/05 increasing total grant amount</p> <p>Additional grant funds approved on 8/23/06 increasing total grant amount</p> <p>Additional grant funds approved on 11/9/06 increasing total grant amount</p>	<p>\$1,999,678.00</p> <p>\$2,328,408.73</p> <p>\$3,206,515.41</p> <p>\$3,667,667.54</p>	Brown & Caldwell/ V-Point	Milorad Stojicevic	Sep-08	The Sand Creek treatment system was put on-line in the fall of 2007. Oasis MHP, West Star MHP, and Jetway Chevrolet were connected to the system in 2008. The project is in the process of closing.
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>

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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	Dec-08	<p>The Scenic reservoir construction is complete from Well No. 30 to the distribution system including the tank.</p> <p>The new coagulation-filtration arsenic treatment facilities for the 2 Bunkerville plants were redesigned to include concrete-lined drying beds to handle the sludge from the backwash, and backwash water will now be recycled to the plants. The project is more than 80% complete at both sites and the filtration systems are currently being installed in the new facilities.</p> <p>At the meeting in June 2008, the Board approved an increase in funding for the Bunkerville plants due to the increased project costs associated with the backwash sludge and water. The increase was contingent on the District raising the Bunkerville water rates to meet the Board's policy.</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	Dec-08	<p>Engineering design and environmental and cultural assessment for BLM permitting is currently in progress. Soil boring/sampling was conducted in August 2008.</p> <p>At the September 2008 meeting, the Board approved a 1 year extension to the grant funding agreement to complete the engineering design and permitting.</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>Well EW4 is back on line and pilot testing began in March 2008. Two technologies were 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. If it is determined that ARS successfully coagulates and thereby removes the arsenic and fluoride it would eliminate the need for any chemical usage for the treatment of the water.</p> <p>Issues with differing results from two contract labs and field measurements are presenting problems with the pilot testing that must be resolved. In addition, the processes pilot tested may not be completely effective with fluoride.</p> <p>At the September 2008 meeting, the Board approved a 1 year extension to the grant funding agreement to complete the PER and pilot testing.</p>

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Yerington Arsenic PER	5/3/06	\$47,600.00	Farr West	Dan Newell		<p>Pilot testing is complete. Staff is reviewing responses to comments on the PER.</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	Jul-08	<p>The new Rogers Dam is complete.</p> <p>The District will continue with the engineering design and permitting of the Thacker Dam. This is the only other element currently approved for funding by the Board.</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 ACEC (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. 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>Construction of upgraded/new mains, services, and meters at Echo View and Cathedral Rock began in May 2008 (Harber Co) and were completed in November 2008. Due to the short construction seasons, this project will likely take 3 summers to complete.</p>
Topaz Ranch Estates	3/14/07	\$1,471,452.01	TEC	Bill Maher	Oct-08	<p>The project for the new well and upgraded service mains was awarded to Atlas Contractors. Construction began in November 2008 with the drilling of the new well.</p> <p>Staff accompanied the BSDW on TREGID's recent sanitary survey. No deficiencies or problems were note.</p>

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Lyon Co Utilities for Crystal Clear	9/20/07	\$2,663,635.00	Farr West	Mike Workman	Aug-08	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.
Lovelock Meadows Phase II	12/13/07	\$3,000,000.00	Farr West	Kristy Berge	Apr-08	The new well will be drilled in the existing well field between wells 5 and 7. The drilling will be bid in December 2008. Design of the Phase 2 pipeline improvements is nearing completion.
Moapa Valley	12/13/07	\$4,000,000.00	Bowen, Collins & Associates	Brad Huza	Dec-08	<p>Construction is well underway on the 2 treatment plants (Arrow Canyon & Baldwin Springs). The filtration systems are installed in both the Arrow Canyon and Baldwin Springs sites and piping within the facilities is in progress. Severn Trent is on site to oversee the installation of the base of the filters as well as the Bayoxide adsorptive media. Treatment start-up at Arrow Canyon is expected to begin in December 2008.</p> <p>The pipeline to/from Jones Springs is complete; however, final tie in must wait until later in the year when Jones Springs can be taken off-line.</p>
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.
Battle Mountain Arsenic Mitigation PER	3/20/08	\$117,000	Shaw Engineering	Hank Blair	Sep-08	The drilling of the exploratory wells was bid in August with one bid received from Eklund Drilling. Eklund 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. Eklund drilled the 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. Water samples were sent to the lab and results are pending.
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>The County received a new grant for the proposed exploratory drilling at the June 2008 Board meeting. The project was bid in September with Parsons Drilling being the low bidder. Drilling is planned for early December.</p>