

KERN COUNTY WATER AGENCY
Cross Valley Canal Advisory Committee
P. O. Box 58, Bakersfield, California 93302-0058

A meeting of the Cross Valley Canal Advisory Committee has been scheduled for **Monday, December 12, 2011 at 1:30 p.m.** and will be held in the Board Room of the Kern County Water Agency's Stuart T. Pyle Water Resources Center, at 3200 Rio Mirada Drive, Bakersfield, California.

MEETING NOTICE & AGENDA

1. Call to order – 1:30 p.m.
2. Minutes of Cross Valley Canal Advisory Committee Meetings – November 14, 2011
3. Cross Valley Canal Advisory Committee Member Reports
4. Public Comment
5. Report on Operations, Maintenance and Deliveries
 - a. Operations and Maintenance Activities
 - b. Year-to-Date Deliveries
6. Report of the Assistant Water Resources Manager
 - a. Recommendation to Approve the Purchase of a Spray Rig
 - b. 2012 Proposed Cross Valley Canal Advisory Committee Meeting Calendar
 - c. 2010 Cross Valley Canal Excess Wheeling and Conveyance Fee Distributions
 - d. 2010 Cross Valley Canal Operations and Maintenance Budget Reconciliations
7. Update on the Cross Valley Canal Expansion Project
8. Update on the Cross Valley Canal Supervisory Control and Data Acquisition System Project
9. Update on the Westside Parkway Project
10. Adjourn

Requests for a disability-related modification or accommodation, including auxiliary aids or services, in order to attend or participate in a meeting should be made to the Cross Valley Canal Secretary in advance of the meeting to ensure availability of the requested service or accommodation.

**KERN COUNTY WATER AGENCY
CROSS VALLEY CANAL ADVISORY COMMITTEE**

P.O. Box 58, Bakersfield, CA 93302-0058

Phone: (661) 634-1400

Minutes
November 14, 2011

A meeting of the Cross Valley Canal Advisory Committee was held on Monday, November 14, 2011 at 1:30 p.m. in the Board Room of the Kern County Water Agency's Stuart T. Pyle Water Resources Center. Those who attended the meeting were as follows:

MEMBERS:

Arvin-Edison Water Storage District	Absent
Cawelo Water District	David Ansolabehere
Fresno-Tulare Group	Absent
Improvement District No. 4	Tim Ruiz
	Dave Beard, Alternate
Kern County Water Agency	Bill Taube
Kern Delta Water District	Mark Mulkey
Kern-Tulare Water District	Steve Dalke
Rosedale-Rio Bravo Water Storage District	Roy Pierucci, Alternate

OTHERS PRESENT:

Kern County Water Agency	Jim Beck
	Thane Campbell
	Gene Lundquist
	Mike McGovern
	Holly Melton
	Amelia Minaberrigarai
	Stephanie Prince
	Terry Rogers
	Martin Taylor
	Trent Taylor
	Martin Varga
North Kern Water Storage District	Dana Munn
North of the River Municipal Water District	Rebecca McClure
	Calvin Wesson

-
- 1) Chairman Steve Dalke called the Cross Valley Canal (CVC) Advisory Committee (Committee) meeting to order at 1:30 p.m. and directed the Committee to the agenda for further discussion.
 - 2) Minutes of the Cross Valley Canal Advisory Committee Meeting
Roy Pierucci of Rosedale-Rio Bravo Water Storage District voted against making the recommendation. All others voted in favor to approve the September 21, 2011 minutes. The motion was carried.
 - 3) Cross Valley Canal Advisory Committee Member Reports No comments.
 - 4) Public Comment No comments.

- 5) Report on Operations, Maintenance and Deliveries
- a) Operations and Maintenance Activities Thane Campbell reported that during the CVC Expansion Project (Project) shutdown, Agency staff performed additional clean-up maintenance along with Dewatered Pools 1, 3, 4, 5 and 6 for the Greater Bakersfield No. 2 bifurcation to Pool 1 and performed general maintenance and facilities inspection; provided dust abatement services to the Contractor by wetting access roads in Pools 1 and 2, for its haul and cement trucks during Pool 1 panel repairs; assisted the Contractor by pumping and maintaining levels in Pool 1 to allow for replacement of concrete panels; replaced 200 feet of fence in Pool 1 after panel repair construction was completed by the Contractor; continued to provide monitoring assistance by doing nightly inspections on the concrete slurry/dirt plug in the Pool 1 bifurcation; applied sealant to damaged liner in Pool Nos. 1, 3 and 5; continued to measure depth-to-water levels in Pool 1 at three different locations (16 piezometers) on a weekly basis; assisted Hampton Tedder Electric in completing the repairs to the autotransformers at Pumping Plant Nos. 2B and 4B from a September 2011 lighting storm, the Contractor by doing the preconstruction demolition for the Pool 4 panel repairs; in soil conditioning for backfill material for Pool 4 panel repairs and in dust abatement on roads in pool 4 for its haul and cement trucks during the Pool 4 panel repair work; Removed a 250-horsepower pump 4H at Pumping Plant No. 4A; Performed dust abatement by applying water with the water truck to the access roads south of Stockdale Highway, between Enos Lane and Renfro Road and to the entrances of Pumping Plant Nos. 2, 3 and 4; Installed a new sluice gate at River Turnout No. 2; Replaced a repaired electric actuator at River Turnout No. 2; Inspected and removed an obstruction from sluice gate at Rosedale-Rio Bravo Turnout No. 2; Repaired Arvin-Edison Turnout meter 'D'; Assisted Blois construction with dewatering and vibration testing at Pumping Plant No. 6B; Greased gate actuator stems and recalibrated all gated Turnouts on the CVC; Performed electrical maintenance to switchgear at all Pumping Plants; Cleaned Motor Control buildings inside and out at all Pumping Plants; Used the Gradall to clean forebay and afterbay trash racks and siphons; Performed road maintenance along CVC rights-of-way; Continued rodent abatement along the CVC rights-of-way; Burned tumbleweeds when permit by San Joaquin Valley Air Pollution Control District; Continued post-emergent herbicide applications along CVC rights-of-way; Replaced air-conditioning filters in all units at all Pumping Plants; and Performed routine maintenance activities that included fence repairs, vehicle and heavy equipment maintenance and repairs, and pump maintenance.
- b) Year-to-Date Deliveries Trent Taylor reported that deliveries for the month of October 2011 were approximately 29,000 acre-feet, with deliveries made by Arvin-Edison Water Storage District, Cawelo Water District, Improvement District No. 4, the Kern County Water Agency (Agency), Kern Delta Water District, and Rosedale-Rio Bravo Water Storage District. A majority of deliveries were made in forward flow, which consisted primarily of State Water Project water. Mr. Taylor then presented graphs illustrating deliveries by sources and by direction of flow over the last twelve months.
- 6) Report of the Assistant Water Resources Manager Holly Melton informed the Committee that the cash call invoices will be processed at the end of November 2011 and that this will be the last cash call until Agency staff performs a cleanup of reconciliations at the completion of all the CVC Expansion Project.

An email outlining the cash call estimated amount will be sent to the Committee Members. Ms. Melton reminded the Committee that the next scheduled CVC Committee meeting is Monday, December 12, 2011.

a) Recommendation to Approve the Cross Valley Canal 2012 Operations and Maintenance Budget

Mr. Taylor provided an overview of the 2012 Operations and Maintenance Budget. The 2012 budget is \$2,928,750 for operations, maintenance and administration. This represents an 11.1 percent increase compared to the 2011 budget. This increase includes the creation of a Maintenance and Repairs fund, CVC costs associated with the new safety consultant, and the design and fabrication of trash racks for reverse flow operations. Approval of the 2012 CVC O&M budget authorizes expenditure for all asterisked items. These items include maintenance and repairs of pumps and motors and electrical and mobile equipment; contributions to various associations and memberships; design and fabrication of trash racks; purchases of a work truck, a backhoe excavator, and two new open channel metering devices.

A recommendation was made to recommend that the Kern County Water Agency Board of Directors approve the Cross Valley Canal 2012 Operations and Maintenance Budget in the total amount of \$2,928,750 as outlined in the November 14, 2011 staff memorandum to the Cross Valley Canal Advisory Committee, Agenda Item No. 6a. Mark Mulkay moved the recommendation and it was seconded by David Ansolabehere. The motion was unanimously carried.

b) Recommendation to Execute a License Agreement with the Kern Water Bank Authority for the Placement of a Cattle Guard at the Cross Valley Canal Main Canal Bridge Mr. Taylor reported that the Kern Water Bank Authority (KWBA) has requested a license agreement to allow for the placement of a cattle guard on the west side of the CVC Main Canal Bridge. The use of this CVC facility will require a license agreement between the Agency and KWBA.

A recommendation was made to recommend that the Kern County Water Agency Board of Directors adopt Resolution No. 58-11 authorizing the General Manager to execute a license agreement with the Kern Water Bank Authority for the placement of a cattle guard at the Cross Valley Canal Main Canal Bridge. Tim Ruiz moved the recommendation and it was seconded by Roy Pierucci. Bill Taube abstained from the vote. The motion was carried.

7) Update on the Cross Valley Canal Expansion Project Mr. Varga provided a status report on current construction activities for the CVC Expansion Project (Project).

a) Recommendation to Execute Change Orders for the Greater Bakersfield Turnout No. 2 from the California Aqueduct and Outlet Canal Siphon Project – Contract No. KCWA 2006-05A

Martin Varga reported that during the process of constructing the CVC Expansion Project (Project), the Contractor has identified items of work not originally included in the contract's scope of work. These items include the following: 1) Provide new larger cofferdam to match the top elevation of the Aqueduct liner to facilitate operations in Pool No. 28 during Project construction. The change order includes: (1) structural design of a new larger cofferdam to meet all California Department of Water Resources (DWR) requirements a \$30,000 design fee was previously authorized; (2) fabrication of a new modular design cofferdam with epoxy coating based on the lowest of three fabricator bids; (3) delivery and off-loading of cofferdam modular

sections at the Project site; (4) staging, assembly and erection of a cofferdam including anchorage arms and preparations for installation in the Aqueduct; (5) disassembly of the cofferdam after removal from the Aqueduct and loading onto trucks; and (6) delivery of the cofferdam modular sections to the CVC Maintenance Yard- \$468,346. Agency staff is recommending that the General Manager be authorized to execute the change orders in the amount of \$468,346 and a contract time extension of 0 days.

A recommendation was made to recommend that the Kern County Water Agency Board of Directors authorize the General Manager to execute change orders for the Greater Bakersfield Turnout No. 2 from the California Aqueduct and Outlet Canal Siphon Project – Contract No. KCWA 2006-05A in the amount of \$468,346 and for a contract time extension of 0 days, subject to approval of General Counsel as to legal form, as outlined in the November 14, 2011 staff memorandum to the Cross Valley Canal Advisory Committee, Agenda Item No. 7a. Bill Taube moved the recommendation and it was seconded by Mark Mulkay. The motion was unanimously carried.

b) Recommendation to Increase the Expenditure Limit for the Construction Administration Consultant for the Cross Valley Canal Expansion Project and the Friant-Kern Canal/Cross Valley Canal Intertie Project Mr. Varga reported that the Project facility is the last component in construction of the Project. The Project construction timeline has been extended through a contract change order from December 2011 to March 2012. Mimiaga Engineering Group's (Mimiaga) budget was originally developed to provide consulting services through the end of the year. Mimiaga's budget will need to be increased to cover the additional project contract time and increased scope of work. Agency staff is requesting authorization for Mimiaga to perform additional and extended necessary consulting services for the Project in an amount not to exceed \$39,000. With this increase, the total authorized amount will be expanded to an amount not to exceed \$530,620.

A recommendation was made to recommend that the Kern County Water Agency Board of Directors authorize an increase to the expenditure limit for the construction administration consultant for the Cross Valley Canal Expansion Project and the Friant-Kern Canal/Cross Valley Canal Intertie Project in an amount not to exceed \$39,000, subject to approval of General Counsel as to legal form, as outlined in the November 14, 2011 staff memorandum to the Cross Valley Canal Advisory Committee, Agenda Item No. 7b. Mark Mulkay moved the recommendation and it was seconded by Bill Taube. The motion was unanimously carried.

c) Recommendation to Increase the Expenditure Limit for the Biological Consultant for the Cross Valley Canal Expansion Project Mr. Varga reported that Agency staff proposes to use Live Oak Biological monitoring services required for the Greater Bakersfield Turnout No. 2 Project. Live Oak will prepare a monitoring compliance report detailing Project mitigation measures and corrective actions taken, if any, for an amount not to exceed \$17,560.80.

A recommendation was made to recommend that Kern County Water Agency Board of Directors authorize an increase to the expenditure limit for the biological consultant for the Cross Valley Canal Expansion Project in an amount not to exceed \$17,560.80, subject to approval of General Counsel as to legal form, as outlined in the November 14, 2011 staff memorandum to the Cross Valley Canal Advisory Committee, Agenda Item No. 7c. Roy

Pierucci moved the recommendation and it was seconded by Mark Mulkay. The motion was unanimously carried.

- 8) Termination of the Emergency Action Regarding the Cross Valley Canal Pools No. 1 and 4 Concrete Liner Repairs Mr. Varga reported that on December 20, 2006, the Agency Board adopted Resolution 60-06 delegating authority to the General Manager to act in emergency conditions to repair and replace facilities as needed to rectify an emergency. As prescribed by Resolution No. 60-06, the Agency Board must be notified at its first regular meeting after the General Manager takes such action. On October 14, 2011, the General Manager took action pursuant to Resolution No. 60-06 to authorize repairs for the Cross Valley Canal (CVC) Pools No. 1 and 4 concrete liners, which sustained damage during the operation of the facility. All work associated with the damaged portions of the concrete liners in Pools No. 1 and 4 were repaired by W.M. Lyles Company and completed by October 31, 2011. Agency Staff has determined that current conditions warrant terminating the emergency action at this time.

A recommendation was made to terminate the emergency action regarding the Cross Valley Canal Pools No. 1 and 4 Concrete Liner Repairs, as outlined in the November 14, 2011 staff memorandum to the Cross Valley Canal Advisory Committee, Agenda Item No. 8. Tim Ruiz moved the recommendation and it was seconded by Bill Taube. The motion was unanimously carried.

- 9) Update on the Westside Parkway Project Mike McGovern provided a status report on current construction activities for the Westside Parkway Project (Project). The Project is estimated to be complete in to 8 months.
- 10) Adjourn Chairman Steve Dalke adjourned the Committee meeting 2:25 p.m.

DRAFT

**CROSS VALLEY CANAL
REPORT ON OPERATIONS, MAINTENANCE AND DELIVERIES
NOVEMBER 2011**

CROSS VALLEY CANAL

OPERATIONS

Preliminary inflows and deliveries for the month of November 2011 were as follows:

	<u><i>Acre-feet</i></u>
Points and amounts of inflow:	
California Aqueduct	53,704
Total Inflow	<u>53,704</u>
Deliveries and losses:	
Arvin-Edison WSD Turnout	6,461
Kern Water Bank P-11 Turnout	2,633
Lined Losses Pool 1- 6	124
N-2 Siphons	377
River Turnout No. 1	8,959
River Turnout No. 2	3,560
River Turnout No. 3	1,537
River Turnout No. 4	190
Rosedale-Rio Bravo WSD Turnout No. 1	4,691
Rosedale-Rio Bravo WSD Turnout No. 2	14,900
Section 4 Turnout	3,654
Strand Ranch North Turnout	4,440
Strand Ranch South Turnout	1,976
Unlined Losses Pool 7	<u>194</u>
Total Deliveries	<u>53,704</u>

For the month of November 2011, deliveries on behalf of the existing CVC Participants were 33,438 acre-feet (af) and deliveries on behalf of the new CVC Participants were 20,266 af.

MAINTENANCE AND REPAIRS

- Continued to provide monitoring assistance by doing nightly inspections on the concrete slurry/dirt plug in the Pool 1 bifurcation;
- Continued to measure depth-to-water levels in Pool 1 at three different locations (16 piezometers) on a weekly basis;
- Replaced SCADA radios at Pumping Plant No. 1A;
- Installed a 250-horsepower pump 4H at Pumping Plant No. 4A;
- Removed a 250-horsepower pump 5H at Pumping Plant No. 5A;
- Assisted Blois construction with removal of Pumps 6B-2 and 6B-3 from Pumping Plant No. 6B. Pumps are being shipped to Vaughan Industries Repair Co. for vibration analysis, balancing and testing;
- Installed reflective road markers at various points along the CVC levee;
- Cleaned Motor Control buildings inside and out at all Pumping Plants;
- Used the Gradall to clean forebay and afterbay trash racks and siphons;
- Performed road maintenance along CVC rights-of-way;
- Continued rodent abatement along CVC rights-of-way;
- Burned tumbleweeds when permitted by San Joaquin Valley Air Pollution Control District;
- Continued post-emergent herbicide applications along CVC rights-of-way;

DRAFT

- Started pre-emergent herbicide applications along the CVC rights-of-way; and
- Performed routine maintenance activities that included fence repairs, vehicle and heavy equipment maintenance and repairs, and pump maintenance.

OTHER DEPARTMENT ACTIVITIES

- Operated various recharge facilities on the Pioneer and Berrenda Mesa recharge facilities as well as the Kern Water Bank Canal;
- Completed monthly Kern Fan groundwater level monitoring run;
- Performed levee improvements by grading roads on North and South Pioneer; and
- Continued rodent abatement along the Berrenda Mesa and Pioneer recharge facility levees.