

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 **Wednesday, October 26, 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 – September 21, 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 Execute an Agreement Between the Kern County Water Agency and Rosedale-Rio Bravo Water Storage District for Construction, Operation and Maintenance of the Rosedale Turnout No.1, a Permanent Turnout within the Cross Valley Canal Right of Way, (CVC #11001)
7. Update on the Cross Valley Canal Expansion Project
 - a. 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
8. Termination of the Emergency Action Regarding Repairs for the Cross Valley Canal Pumping Plants
9. Review of the Emergency Action Regarding Repairs for the Cross Valley Canal Pools 1 and 4 Concrete Liner Repairs
10. Update on the Westside Parkway Project
11. 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.

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

**CROSS VALLEY CANAL
OPERATIONS**

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

	<u><i>Acre-feet</i></u>
Points and amounts of inflow:	
California Aqueduct	50,449
Total Inflow	<u>50,449</u>
Deliveries and losses:	
Arvin-Edison WSD Turnout	10,352
Kern Water Bank P-11 Turnout	3,729
Lined losses Pool 1- 6	142
N-2 Siphons	2,366
Nord Siphons	1,825
River Turnout No. 1	8,257
River Turnout No. 2	5,288
River Turnout No. 3	1,212
Rosedale-Rio Bravo WSD Turnout No. 1	5,107
Rosedale-Rio Bravo WSD Turnout No. 2	2,146
Section 4 Turnout	5,100
Strand Ranch North Turnout	1,663
Strand Siphons	3,142
Unlined Losses Pool 7 - 8	<u>120</u>
Total Deliveries	<u>50,449</u>

For the month of September 2011, deliveries on behalf of the existing Cross Valley Canal (CVC) Participants were 18,720 acre-feet (af) and deliveries on behalf of the new CVC Participants were 31,729 af.

MAINTENANCE AND REPAIRS

- Installed rebuilt 565-horsepower (hp) pump 2C at Pumping Plant No. 2A;
- Installed rebuilt 100-hp pump 5A at Pumping Plant No. 1A;
- Inspected Pools 1, 4, 5, and 6 and began preparations for maintenance and repairs during CVC shutdown;
- 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;
- 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 washout repairs at various points along the Canal Levee and around Motor Control buildings due to previous heavy rains;
- Continued rodent abatement along the CVC rights-of-way due to increased evidence of rodent activity;
- Burned tumbleweeds when permit by San Joaquin Valley Air Pollution Control District;
- Continued post-emergent herbicide applications along 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 the California Department of Water Resources groundwater level monitoring run;
- Completed Indian Wells Valley depth-to-water groundwater monitoring run;
- Completed monthly Kern Fan groundwater level monitoring run;
- Performed dust abatement using the water truck to wet levee roads on the North and South Pioneer and Berrenda Mesa Property; and
- Continued rodent abatement along the Berrenda Mesa and Pioneer recharge facility levees.

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

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

Phone: (661) 634-1400

Minutes
September 21, 2011

A meeting of the Cross Valley Canal Advisory Committee was held on Wednesday, September 21, 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
Cawelo Water District
Fresno-Tulare Group
Improvement District No. 4

Steve Collup
David Ansolabehere
Dan Vink
Tim Ruiz
Doug Nunneley, Alternate
Dave Beard, Alternate
Bill Taube
Mark Mulkay
Steve Dalke
Eric Averett
Roy Pierucci, Alternate

Kern County Water Agency
Kern Delta Water District
Kern-Tulare Water District
Rosedale-Rio Bravo Water Storage District

OTHERS PRESENT:

Kern County Water Agency

Jim Beck
Thane Campbell
Matt Garrison
Don Garton
Gene Lundquist
Adrienne Mathews
Mike McGovern
Holly Melton
Ted Page
Stephanie Prince
Terry Rogers
Martin Taylor
Trent Taylor
Martin Varga
Ram Venkatesan
David Aranda
Rebecca McClure
Calvin Wesson
Steve Mimiaga

North Kern Water Storage District
North of the River Municipal Water District

Mimiaga Engineering Group

Chairman Steve Dalke called the Cross Valley Canal (CVC) Advisory Committee (Committee) meeting to order at 1:35 p.m. and directed the Committee to the agenda for further discussion.

- 1) Minutes of the Cross Valley Canal Advisory Committee Meeting
It was advised that the CVC Committee August meeting minutes be revised to include the following language under agenda item no. 7a:

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The new cofferdam, which will be part of the construction of the Greater Bakersfield Turnout No. 2 from the California Aqueduct and Outlet Canal Siphon Project – Contract No. KCWA 2006-05A, will be paid and owned by the new CVC Participants.

David Ansolabehere made a motion to approve the August 24, 2011 revised minutes and it was seconded by Steve Collup. The motion was unanimously carried.

- 2) Cross Valley Canal Advisory Committee Member Reports No comments.
- 3) Public Comment No comments.
- 4) Report on Operations, Maintenance and Deliveries
 - a) Operations and Maintenance Activities Thane Campbell reported that Agency staff performed flow measurement tests on three different occasions, at three different elevations on the California Aqueduct to verify maximum flows at those known elevations, and reverse flow testing to determine flow rates at Pumping Plant (PP) Nos. 1B, 2B, 4B and 5B; continued air conditioning service and repairs at various PP's and at both "A" and "B" buildings; installed rebuilt 250-horsepower (hp) pump 2B at PP No. 2A, 100-hp pump 3G at PP No. 3A, and 565-hp pump 4D at PP No. 4A; replaced siphon breaker solenoids on one pump each at PP Nos. 2B and 4B; assisted the contractor with vibration stiffener at PP 6B, trimmed and removed vegetation from north fence line in Pool 8, and Sonitrol Security Company on numerous occasions in troubleshooting ongoing security monitoring issues at the CVC Operations and Maintenance Center; 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 PP Nos. 2, 3 and 4; cleaned Motor Control buildings inside and out at all PP's; used the Gradall to clean forebay and afterbay trash racks and siphons; performed road maintenance along CVC rights-of-way; continued washout repairs at various points along the Canal Levee and around Motor Control buildings due to previous heavy rains, rodent abatement along the CVC rights-of-way due to increased evidence of rodent activity, and post-emergent herbicide applications along CVC rights-of-way; 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 August 2011 were approximately 56,000 acre-feet, with deliveries made by Arvin-Edison Water Storage District, Cawelo Water District, Improvement District No. 4, the Kern County Water Agency (Agency) and Kern Delta Water District. A majority of deliveries were made in forward flow, which consisted primarily of U.S. Bureau of Reclamation Section 215 water. Mr. Taylor then presented graphs illustrating deliveries by sources and by direction of flow over the last twelve months.
- 5) Report of the Assistant Water Resources Manager Nothing to report.
- 6) 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
Mr. Varga reported that during the process of constructing the Project, the Contractor has identified items of work not originally included in the contract's scope of work. Agency staff is recommending the General Manager be authorized to execute the change orders in the amount of \$79,015 and for a contract time extension of zero days. Expenses for Contract Change Order No. 8 will be paid by the CVC Participants based upon the CVC water deliveries.

A recommendation was made that the Agency Board 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 \$79,015 and for a contract time extension of zero days, subject to approval of General Counsel as to legal form, as outlined in the September 21, 2011 staff memorandum to the Cross Valley Canal Advisory Committee, Agenda Item No. 6a. Mark Mulkay moved the recommendation and it was seconded by Bill Taube. The motion was unanimously carried.

- 7) Recommendation to Execute Change Orders for the Cross Valley Canal Supervisory Control and Data Acquisition System Project Matt Garrison reported that the CVC Supervisory Control and Data Acquisition (SCADA) Upgrade Project (Project) includes the programming and commissioning of the control systems. On August 25, 2010, the Agency Board authorized Agency staff to retain Northern Digital, Inc. (NDI) to provide services for the Project for an amount not to exceed \$295,500. NDI has identified that four additional licenses will be required for integration of the CVC SCADA system. Licensing grants the user complete access to the SCADA software's functions. NDI has quoted a price of \$16,621 to purchase additional licensing. Additionally, the customer comprehensive support package is in need of renewal. This \$10,925.25 package is required for access to advanced troubleshooting and support materials. Costs will be shared equally with Improvement District No. 4's SCADA system. CVC's responsibility totals \$5,462.63 towards the support package.

A recommendation was made that the Agency Board authorize an increase to the expenditure limit for the Supervisory Control and Data Acquisition consultant for the CVC for an amount not to exceed \$22,083.63, subject to approval of General Counsel as to legal form, as outlined in the September 21, 2011 staff memorandum to the Cross Valley Canal Advisory Committee, Agenda Item No. 7. David Ansolabehere moved the recommendation and it was seconded by Tim Ruiz. The motion was unanimously carried.

- 8) Review of the Emergency Action Regarding Repairs for the Cross Valley Canal Pumping Plants
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. The CVC Pumping Plants are critical to State Water Project surface water deliveries off of the Aqueduct. On September 16, 2011, the General Manager took action pursuant to Resolution No. 60-06 to authorize repairs for the CVC Pumping Plant Nos. 2 and 4, which sustained damage during the recent storms and electrical service disruption. Motor controllers for Pump 2B and Pump 4B failed and required repair. The failures resulted in smoke damage to other motor

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controllers and electrical switchgear in each pumping plant's control building. Agency staff recommends continuing the emergency action for pumping plant repairs.

A recommendation was made to continue the emergency action regarding repairs for the CVC Pumping Plants, as outlined in the September 21, 2011 staff memorandum to the Cross Valley Canal Advisory Committee, Agenda Item No. 8. Bill Taube moved the recommendation and it was seconded by David Ansolabehere. 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.
- 10) Adjourn Chairman Steve Dalke adjourned the Committee meeting 2:38 p.m.