

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, July 27, 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. Minutes of Cross Valley Canal Advisory Committee Meetings – June 22, 2011
2. Cross Valley Canal Advisory Committee Member Reports
3. Public Comment
4. Report on Operations, Maintenance and Deliveries
 - a. Operations and Maintenance Activities
 - b. Year-to-Date Deliveries
5. Report of the Assistant Water Resources Manager
 - a. Report on the Conclusion of the Kern County Water Agency Overhead Allocation Methodology Review
6. Update on the Cross Valley Canal Expansion 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
 - b. Recommendation to Increase the Expenditure Limit for an Engineering Consultant for the Cross Valley Canal Expansion Project
7. Update on the Westside Parkway Project
8. 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
JUNE 2011

CROSS VALLEY CANAL**OPERATIONS**

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

	<u><i>Acre-feet</i></u>
Points and amounts of inflow:	
California Aqueduct	4,117
CVC / FK Intertie	17,288
Pioneer Inlet	<u>6,793</u>
 Total Inflow	 <u>28,198</u>
Deliveries and losses:	
California Aqueduct – Reverse Flow Deliveries	4,130
Calloway Turnout	1,142
Cawelo Pump Station “A”	137
Kern Water Bank P-11 Turnout	5,024
Lined losses Pool 1- 6	467
N-2 Siphons	3,011
Rosedale-Rio Bravo WSD Turnout No. 2	1,012
Section 4 Turnout	5,298
Strand Ranch North Turnout	2,347
Strand Ranch South Turnout	1,428
Strand Siphons	3,578
Unlined Losses Pool 7 - 8	<u>624</u>
 Total Deliveries	 <u>28,198</u>

For the month of June 2011, deliveries on behalf of the existing Cross Valley Canal (CVC) Participants were 14,202 acre-feet (af) and deliveries on behalf of the new CVC Participants were 13,996 af.

MAINTENANCE AND REPAIRS

- Excavated a dirt trough on the east side of Pumping Plants No.’s 3A, 4A, 5A, 6A and 7 to act as a drainage gutter;
- Serviced air-conditioning units at Pumping Plants 1B through 5B;
- Re-installed N-2 siphon meter;
- 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 Plants No.’s 2, 3 and 4;
- Completed installation of piezometers (9) for groundwater monitoring in Pool 4 adjacent to City of Bakersfield 2800 Acres;
- Repaired cavernous washout on the discharge slope at Pumping Plant No. 6A;
- Replaced Supervisory Control and Data Acquisition Human Machine Interface screen at Pumping Plant No. 6A;
- Replaced pressure transducer probe and mounting hardware in the afterbay at Pumping Plant No. 7;
- Pruned vegetation along fence line in Pool 8 from 24th Street Siphon to the Calloway Canal Siphon;
- 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;
- 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 monthly Kern Fan groundwater level monitoring run;
- Removed weeds and debris from inside and outside of the KCWA, BK and BM well enclosures;
- Performed dust abatement using the water truck to wet levee roads on the North Pioneer;
- Performed road maintenance as need on North Pioneer and Berrenda Mesa levees; 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
June 22, 2011

A meeting of the Cross Valley Canal Advisory Committee was held on Wednesday, July 22, 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

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

Steve Collup
David Ansolabehere
Eric Limas
Doug Nunneley
Dave Beard, Alternate
Bill Taube
Mark Mulkay
Steve Dalke
Roy Pierucci, Alternate

OTHERS PRESENT:

Kern County Water Agency

Jim Beck
Thane Campbell
Matt Garrison
Don Garton
Lynn Grant
Gene Lundquist
Mike McGovern
Holly Melton
Adrienne Mathews
Amelia Minaberrigarai
Ted Page
Stephanie Prince
Martin Taylor
Trent Taylor
Terry Rogers
Martin Taylor
Martin Varga
Richard Diamond
Jeane Hill
David Aranda
Rebecca McClure
Calvin Wesson

North Kern Water Storage District
Kennedy/Jenks Consultant
North of the River Municipal Water District

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.

- 1) Minutes of the Cross Valley Canal Advisory Committee Meetings Roy Pierucci made a motion to approve the May 25, 2011 minutes and it was seconded by Mark Mulkay. 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 the Kern County Water Agency (Agency) staff removed a N-2 siphon meter and 100 horse-power (hp) pump at Pumping Plant (PP) No. 3 for re-build repairs; replaced Supervisory Control and Data Acquisition Human Machine Interface screen at PP No. 3A; installed piezometers for groundwater monitoring in Pool 4 adjacent to the City of Bakersfield's 2800 Acres; removed 100 hp pump at PP No. 5 for rebuild; assisted contractor with vibration testing at PP No. 6B on pumps No's. 2 and 3; cleaned the motor control buildings inside and out at all PPs; performed repairs to lighting issues at all Motor Control buildings and pump decks; used the Gradall to clean forebay and afterbay trash racks and siphons; performed road maintenance, continued post-emergent herbicide applications along CVC rights-of-way; continued washout repairs at various points along the canal levee and around motor control buildings; and performed routine maintenance activities that included fence repairs, rodent abatement, vehicle and heavy equipment maintenance and repairs, and pump maintenance.
 - b) Year-to-Date Deliveries Trent Taylor reported that deliveries for the month of May 2011 were approximately 31,000 acre-feet, with deliveries made by Arvin-Edison Water Storage District, Improvement District No. 4 (ID4), the Agency and Rosedale Rio-Bravo Water Storage District. All deliveries were made in reverse 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 Holly Melton informed the Committee that she would be on vacation from June 24 through July 18, 2011 and that staff will be available to assist with all operational and administrative questions;

Ms. Melton reported that staff submitted to the Committee for execution, the final Indemnification Agreement. Once executed by the Committee, staff will present to the Agency's Board of Directors (Board);

Ms. Melton reported that staff submitted to the CVC Rosedale Turn-in Ad Hoc for review and comment, the draft Rosedale Turn-in Agreement (Agreement). If needed, an Ad Hoc Committee will be scheduled to further discuss the Agreement in detail;

Ms. Melton reported that staff met with Committee Member Eric Averett and that a final report on the CVC overhead methodology study will be presented to the Committee at the next scheduled meeting; and

Ms. Melton informed the Committee that Martin Varga will be working with staff in performing pump testing and that the outcome would be provided at the next scheduled meeting.

- 6) Cross Valley Canal Expansion Project Update Mr. Varga provided a status report on current construction activities for the CVC Expansion Project (Project).
- 7) Recommendation to Purchase Computer Hardware and Software for the Supervisory Control and Data Acquisition System Don Garton and Matt Garrison reported that on August 25, 2010, Agency staff retained Northern Digital Inc. (NDI) to provide consulting and programming services for the Supervisory Control and Data Acquisition System Project (Project) for the CVC under Contract No. KCWA 2010-04. As part of NDI's scope of work, a radio site survey was performed to identify possible system topographies and hardware requirements. As a result of the survey, a baseline hardware list and six antennae hardware options have been created. Antennae options differ regarding manufacturer and antennae performance and increasing reliability, stability and system performance. NDI has confirmed that all of the proposed system configurations will perform correctly; however, radio traffic will continue to increase along the CVC, and selecting equipment that can better reject interference is critical to the system's life cycle.

Agency staff is recommending that the General Manager be authorized to purchase hardware and software for the Project in an amount not to exceed \$258,000. The costs will be paid by the Integrated Canal Participants under the long-term Contract Among The Kern County Water Agency And Various Parties For The Operation Of The Cross Valley Canal, Extension and Intertie.

A recommendation was made that the Agency Board authorize the General Manager to purchase computer hardware and software for the Cross Valley Canal Supervisory Control and Data Acquisition System Project for an amount not to exceed \$258,000, subject to approval of General Counsel as to legal form, as outlined in the June 22, 2011 staff memorandum to the Cross Valley Canal Advisory Committee, Agenda Item No. 7. Bill Taube moved the recommendation and it was seconded by David Ansolabehere.

- 8) Westside Parkway Project Update Mike McGovern provided a status report on current activities for the Westside Parkway Project.
- 9) Adjourn Chairman Steve Dalke adjourned the Committee meeting 1:55 p.m.