KERN GROUNDWATER AUTHORITY

Meeting of Board of Directors
January 21, 2015, 8:00 a.m.
1115 Truxtun Ave., Bakersfield, CA 93301

Third Floor Conference Room

AGENDA

This meeting is held in accordance with the Brown Act pursuant to Section 54956 of the California Government Code and the Kern Fan Authority Joint Powers Agreement.

1. Roll Call - Quorum Determination

In the absence of a quorum of the Board the meeting will be adjourned.

2. Public Input

This portion of the meeting is set aside to provide the public an opportunity to bring to the attention of the Board matters of which the Board may not be aware and which are not on the current agenda. No action can be taken on any matter raised during this portion of the meeting, however, a Board member may request that the matter be placed on any future agenda for further review and possible action.

3. Minutes

a. Board Meeting: November 17, 2014

4. Treasurer's Report

5. Groundwater Management Work Plan

a. GEI Update
b. METRIC study-Historic Data
c. Committee Reports
    1. Urban Committee
    2. Surface Supply Committee

6. Discussion on Approach to Implementation of Groundwater Regulations

a. Basin Boundary Issues
b. Funding Opportunities
c. Discussion on Overlap Issues
d. Public Outreach / Workshops

7. Coordination Activities

a. SB4
b. CASGEM
c. ILRP

8. New Business

This Portion of the Meeting is set aside to provide each Board member an opportunity to bring to the attention of other Board members and the public matters which have come to their attention and/or which may be appropriate for future consideration. No action can be taken on any matter raised during this portion of the meeting, however, a Board member may request that the matter be placed on any future agenda for further review and possible action.

9. Attorney(s) Report

10. Adjournment

JPA Board Meeting
Kern Groundwater Authority
Monday, November 17, 2014

JPA DISTRICT REPRESENTATIVES AND ALTERNATES PRESENT

Dave Fenn, Cawelo WD
Michael James, City of Shafter
Gene Lundquist, ID-4
Royce Fast and Martin Milobar, Kern County Water Agency
Supervisor David Couch, Kern County
Rich Tillema and Kevin Antongiovanni, Kern Delta WD
Bill Taube, Kern Water Bank Authority
Kevin Andrew, North Kern WSD
Jason Selvidge, Rosedale-Rio Bravo WSD
Rick Wegis, Semitropic WSD
Roger Riley, Shafter-Wasco ID
Gary Morris, West Kern WD
Joe MacIlvaine, Westside District Water Authority
Michael Blaine and George Cappello, Wheeler Ridge-Maricopa WSD

JPA DISTRICT REPRESENTATIVES AND ALTERNATES ABSENT

Edwin Camp, Arvin-Edison WSD
John Vidovich, Buena Vista WSD
Scott Hurlbert, City of Shafter
Andrew Pandol, Kern-Tulare WD
Jeff Siemens, Olcese WD

OTHERS PRESENT

Steve Collup, Arvin-Edison WSD
Jeevan Muhar, Arvin-Edison WSD
Rod Stiefvater, Belridge WSD
Greg Hammett, Belridge WSD
Maurice Etchechurry, Buena Vista WSD
Dave Hampton, Cawelo WD
David Beard, KCWA
Holly Melton, KCWA
Jim Beck, KCWA
Mark Mulkay, Kern Delta WD
Steve Dalke, Kern-Tulare WD

Dick Diamond, North Kern WSD
Dan Bartel, Rosedale-Rio Bravo WSD
Lori Honea, Rosedale-Rio Bravo WSD
Eric Averett, Rosedale-Rio Bravo WSD
Jason Gianquinto, Semitropic WSD
Dana Munn, Shafter-Wasco ID
Harry Starkey West Kern WD
Don Cronquist, AECOM
Lois Henry, Bakersfield Californian
Troy Carrington, Bolthouse
Paul Adams, Booth Ranches
Daniel Beck, Chevron
Art Chianello, City of Bakersfield
Steven Teglin, City of Bakersfield
Richard Iger, City of Bakersfield
Blair Knox, CIPA
Larry Rodriguez, GEI Consultants
Ron Eid, GEI Consultants
Patty Poire, Grimmway
Craig Murphy, KCPD
John Nilon, Kern County
Kaler Ayala, Kern County
Phil Hall, Kern County
Jim Scott, KGET
Joe Hughes, Klein Law
Robert Kuhs, Kuhs Parker Law
Nick Turner, Lamont Public Utilities
Doug Nunneley, Oildale Mutual
Tracy Leach, Providence Consultants
Todd Turley, South Valley Farms
Ernest Conant, Young Wooldridge

1. **Call to Order –** President MacIlvaine did a roll call of the Board of Directors and determined that there was a quorum.
   President MacIlvaine called the meeting to order at 8:03 a.m.

2. **Public Comments** – Mr. Collup asked if there can be extra Alternate Directors for the Districts represented in the JPA. President MacIlvaine reported that he will check the bylaws.

3. **Minutes** – A motion was made by Director Couch and seconded by Director Lundquist to approve the August 18, 2014 board meeting minutes as presented. A roll call vote was taken and the motion was unanimously carried.

4. **Treasurer's Report** – Mr. Diamond gave a report to the Board. A motion was made by Director Couch and seconded by Director Andrew to approve the accounts payable as presented. A roll call vote was taken and the motion was unanimously carried.
    a. **Draft 2015 Budget** - Mr. Averett reviewed the Draft 2015 Budget with the Board. A motion was made by Director Couch and seconded by Director Andrew to adopt the 2015 Draft Budget subject to deference of invoices until decisions have been made by the Board in regard to expenses. A roll call vote was taken and the motion was unanimously carried.
    b. **Economic Impact Analysis** – Mr. Averett reviewed the Economic Impact Analysis prepared by Kern Tax with the Board. The total cost for this is $22,000. A motion was made by Director Wegis and seconded by Director James for Kern Groundwater JPA to fund up to $11,000 for the Economic Impact Analysis with Kern Tax funding the other $11,000. A roll call vote was taken and the motion was unanimously carried.
5. **Notice of Intent to Adopt a Conflict of Interest Code** – Mr. Conant reported that it has been six (6) months since the JPA was formed and the deadline to file the COI is approaching. A motion was made by Director Lundquist and seconded by Director Taube to file the NOI to adopt the Conflict of Interest Code. A roll call vote was taken and the motion was unanimously carried.

6. **Groundwater Management Work Plan** –
    a. **GEI Update** – Mr. Rodriguez from GEI reported they are tracking committee activities and reviewing the Cal Poly ITRC data.
    b. **Committee Reports**
        i. **Urban Committee Report – Consumptive Use Analysis** – Mr. Beard reported that they will be meeting before the holiday. The committee is working on what additional data should be added and how it is verified.
        ii. **Surface Supply Workgroup Report-Yield Analysis** - Mr. Taube reported they had a meeting and decided to kick it back to GEI. The two things they are working on are; 1) County supply/water use and; 2) surface supply. The committee is collectively putting a timeline together for completion showing what and when items need to be completed.

7. **Discussion on Approach to Implementation of Groundwater Regulations**

8. **Other Organizational Issues**
    a. **Legal Counsel** – Mr. Averett reported that a representative committee met with Mr. Gary Sawyers and have reviewed his RFQ. A motion was made by Director Fast and seconded by Director Taube to engage Bolen Fransen Sawyers LLP as attorneys for the Kern Groundwater JPA. A roll call vote was taken and the motion was unanimously carried.
    b. **Draft Schedule of Compliance/Timeline** – Mr. Averett reviewed this timeline with the Board. He reported that the most important date is 06/30/2017. This is

our “look-to” date that we need to work backwards from. Some key discussion points included:

1. First step – Conduct workshops for the Districts
2. Second step – Identify tasks that need to be done
    - A decision needs to be made by 06/30/2015 on what structure we will be going forward
        i. Each District must decide if they are going to sign up with the Coalition or go it alone
3. We need to have a coordinated plan or DWR will reject them all

c. **White Paper on Kern County Organizational Approach** – President MacIlvaine and Mr. Averett gave a report to the Board. They advised we have a coordinated effort in regard to water balances and how they are calculated.

d. **Public Outreach/Workshops** – President MacIlvaine reported that we would be having 3-4 workshops starting in January 2015. The goal is to be able to make a decision by June, 2015 on what we want to look like.

9. **Coordination Activities**
    a. **SB4** –The committees are monitoring this
    b. **CASGEM** – No report
    c. **ILRP** – No report

10. **Attorney(s) Report** – No report

11. **Old or New Business** – Director Lundquist reported the WAKC annual meeting will be held on December 8, 2014 and the speaker is Felicia Marcos.

12. **Adjournment** – A motion to adjourn the meeting at 9:22 a.m. was made by Director Wegis and seconded by Director Taube. A roll call vote was taken and the motion was unanimously carried.

DRAFT

moving water in new directions
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Date: January 6, 2015

To: Eric Averett
General Manager
Rosedale-Rio Bravo WSD
Phone: 661-589-6045
Cell: 661-332-1551
eaverett@rrbwsd.com

From: Dan Howes, Ph.D, P.E.
Senior Engineer, ITRC
Office phone: 805-756-2347, Cell phone: 858-354-0504
djhowes@calpoly.edu

Re: Remote sensing of historic (1993-2012) evapotranspiration using ITRC-METRIC for the valley portion of Kern County

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The Irrigation Training & Research Center (ITRC), at California Polytechnic State University, San Luis Obispo (Cal Poly) has been requested to provide an approximate cost estimate to evaluate the evapotranspiration from the agricultural lands in the Southern San Joaquin Valley. This work will include:

1) Computing actual evapotranspiration from fields within LandSAT 5, 7, or 8 row/path (42/35) for at least 1 image per month (if available due to heavy clouds and fog) from January 1993 through December 2012.
2) If images are not available for a month because of heavy cloud cover or fog, the monthly ET will be estimated by interpolating between months where images are available.
3) Monthly and annual (seasonal) evapotranspiration maps will be provided in GIS format. The final maps will have 30 meter pixel resolution.
4) A separate cost is provided to integrate a more accurate surface water evaporation algorithm into the model. This is only a factor when examining evaporation from large open water bodies.

It may be possible to obtain a cost sharing grant to incorporate a new algorithm for evaluating surface water evaporation. The grant agency is the CSU Agricultural Research Institute (ARI).

To obtain this competitive grant the algorithm development would need to include field evaluation which would provide a check on the accuracy of the new evaporation estimates.

Cost for 1993-2012 Evapotranspiration Evaluation:	**$245,000**
Cost for 1993-2012 ET and New Open Water Algorithm (no grant):	**$265,000**