

SAN GORGONIO PASS WATER AGENCY
1210 Beaumont Avenue, Beaumont, CA
Board of Directors Meeting
Agenda
March 19, 2018 at 1:30 p.m.

- 1. Call to Order, Flag Salute, Invocation and Roll Call**
- 2. Adoption and Adjustment of Agenda**
- 3. Public Comment:** Members of the public may address the Board at this time concerning items relating to any matter within the Agency's jurisdiction. To comment on specific agenda items, please complete a speaker's request form and hand it to the board secretary.
- 4. Consent Calendar:** If any board member requests that an item be removed from the Consent Calendar, it will be removed so that it may be acted upon separately.
 - A. Approval of the Minutes of the Water Rate Workshop, March 1, 2018* (p. 3)
 - B. Approval of the Minutes of the Regular Board Meeting, March 5, 2018* (p. 5)
 - C. Approval of the Minutes of the Engineering Workshop, March 12, 2018* (p. 10)
- 5. Reports:**
 - A. General Manager's Report
 1. Operations Report
 2. General Agency Updates
 - B. General Counsel Report* (p. 12)
 - C. Directors' Reports
- 6. New Business:**
 - A. Consideration and Possible Action of Cost Sharing for the Stream Gaging Program Associated with the San Gorgonio Flume* (p. 13)
 - B. Consideration and Possible Action to an Addendum to IERCD Agreement for Groundwater Models* (p. 18)
 - C. Consideration and Possible Action of Purchasing Four Groundwater Models* (p. 24)
- 7. Topics for Future Agendas**
- 8. Announcements:**
 - A. Finance and Budget Workshop, March 26, 2018 at 1:30 p.m.
 - B. San Gorgonio Pass Regional Water Alliance, March 28, 2018 at 5:00 p.m. – Banning City Hall
 - C. Regular Board Meeting, April 2, 2018 at 1:30 p.m.
- 9. Closed Session (3 Items)**
 - A. CONFERENCE WITH REAL PROPERTY NEGOTIATORS
Pursuant to Government Code Section 54956.8
Property: Potential transfer of State Water Project rights/supplies among State Water Project Contractors
Agency negotiator: Jeff Davis, General Manager
Negotiating parties: Dudley Ridge Water District, Dale Melville, Manager-Engineer
Under negotiation: price and terms of payment

B. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

Pursuant to Government Code Section 54956.8

Property: Potential water exchange with Casitas Municipal Water District

Agency negotiator: Jeff Davis, General Manager

Negotiating parties: Casitas Municipal Water District, Mike Flood, General Manager

Under negotiation: price and terms of payment

C. CONFERENCE WITH REAL PROPERTY NEGOTIATORS

Pursuant to Government Code Section 54956.8

Property: Potential transfer of State Water Project rights/supplies among
State Water Project Contractors

Agency negotiator: Jeff Davis, General Manager

Negotiating parties: Kern County Water Agency, Curtis Creel, General Manager

Under negotiation: price and terms of payment

10. Adjournment

Information included in Agenda Packet

(1) Materials related to an item on this Agenda submitted to the Board of Directors after distribution of the agenda packet are available for public inspection in the Agency's office at 1210 Beaumont Avenue, Beaumont during normal business hours. (2) Pursuant to Government Code section 54957.5, non-exempt public records that relate to open session agenda items and are distributed to a majority of the Board less than seventy-two (72) hours prior to the meeting will be available for public inspection at the Agency's office, located at 1210 Beaumont Avenue, Beaumont, California 92223, during regular business hours. When practical, these public records will also be made available on the Agency's Internet Web site, accessible at: www.sgpwa.com (3) Any person with a disability who requires accommodation in order to participate in this meeting should telephone the Agency (951 845-2577) at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation.

SAN GORGONIO PASS WATER AGENCY
1210 Beaumont Avenue, Beaumont, California 92223
Minutes of the
Board Water Rate Workshop
March 1, 2018

Directors Present: David Fenn, President
Ron Duncan, Vice President
Leonard Stephenson, Treasurer
Blair Ball, Director
David Castaldo, Director
Steve Lehtonen, Director
Michael Thompson, Director

Staff and

Consultants Present: Jeff Davis, General Manager
Jeff Ferre, Legal Counsel
Thomas Todd, Finance Manager
Cheryle Stiff, Administrative Assistant
Andrea Roess (David Taussig & Associates)
Steve Runk (David Taussig & Associates)

1. Call to Order and Flag Salute: The meeting of the San Gorgonio Pass Water Agency Board of Directors was called to order by Board President Fenn at 6:00 p.m., March 1, 2018 in the Agency Boardroom at 1210 Beaumont Avenue, Beaumont, California. President Fenn led the Pledge of Allegiance to the flag. A quorum was present.

2. Adoption and Adjustment of Agenda: **Adoption and Adjustment of Agenda:** *President Fenn asked if there were any adjustments to the agenda.* General Manager Davis stated there were no adjustments to the agenda. There being none, the agenda was adopted as published.

3. Public Comment: *President Fenn asked if there were any members of the public that wished to make a public comment on items that are within the jurisdiction of the Agency that are not on today's agenda.* Ms. Uremovic (resident of the city of Beaumont) read from a Sacramento Bee article titled "Sacramento County alleges secret meetings over Delta tunnels, files lawsuit". She expressed her opinion and opposition on the Delta tunnel and stated that recycle water is the only option. Tom Shalhoub (YVWD Board member) commented on the EBX II completion ceremony that was held at SBVMWD. Maxine Israel (Cabazon Board member) would like the Board to work on extending the EBX II pipeline to the Cabazon area. She stated that there is an I-10 freeway bypass that is being constructed and it would be a good time to also build the pipeline, as it may cut costs. There were no other public comments.

4. Discussion of Issues Related to Setting a Water Rate – Public Comment: The Board heard a presentation from representatives of the consulting firm of David Taussig and Associates. These consultants have been retained by the Agency to develop a cost of service rate study which may be used as the basis for setting an adjusted water rate in the future. Members of the public then provided comments on this matter. The Board then discussed this matter and provided general direction to

the consultants regarding the potential components that may be addressed in any draft rate model.

5. Announcements

1. Regular Board Meeting, March 5, 2018 at 1:30 p.m.
2. Engineering Workshop, March 12, 2018 at 1:30 p.m.
3. Regular Board Meeting, March 19, 2018 at 1:30 p.m.

6. Adjournment

Draft - Subject to Board Approval

Jeffrey W. Davis, Secretary of the Board

cmr

SAN GORGONIO PASS WATER AGENCY
1210 Beaumont Avenue, Beaumont, California 92223
Minutes of the
Board of Directors Meeting
March 05, 2018

Directors Present: David Fenn, President
Ron Duncan, Vice President (arrival time - 1:49)
Lenny Stephenson, Treasurer
Blair Ball, Director
David Castaldo, Director
Stephen Lehtonen, Director
Michael Thompson, Director

Staff Present: Jeff Davis, General Manager
Jeff Ferre, General Counsel
Thomas Todd, Finance Manager
Cheryle Stiff, Executive Assistant

- 1. Call to Order, Flag Salute, Invocation, and Roll Call:** The meeting of the San Gorgonio Pass Water Agency Board of Directors was called to order by Board President Fenn at 1:30 p.m., March 5, 2018 in the Agency Boardroom at 1210 Beaumont Avenue, Beaumont, California. President Fenn led the Pledge of Allegiance to the flag. Director Ball gave the invocation. A quorum was present.
- 2. Adoption and Adjustment of Agenda:** *President Fenn asked if there were any adjustments to the agenda.* General Manager Davis stated there were no adjustments to the agenda. There being none, the agenda was adopted as published.
- 3. Public Comment:** *President Fenn asked if there were any members of the public that wished to make a public comment on items that are within the jurisdiction of the Agency that are not on today's agenda.* Libi Uremovic (resident of the city of Beaumont) voiced her opinion and opposition on contracting with Taussig and Albert A. Webb.
- 4. Consent Calendar:**
 - A. Approval of the Minutes of the Regular Board Meeting, February 20, 2018
 - B. Approval of the Minutes of the Water Conservation and Education Committee Meeting, February 22, 2018
 - C. Approval of the Minutes of the Finance and Budget Workshop, February 26, 2018
 - D. Approval of the Finance and Budget Workshop Report, February 26, 2018

President Fenn asked for a motion on the Consent Calendar. Director Stephenson made a motion, seconded by Director Thompson, to adopt the consent calendar as presented. Motion passed 6-0, with Director Duncan absent.

5. Reports:

A. General Manager's Report:

(1) Operations Report: (a) SWP Water Deliveries: The Agency delivered a total of 1073 acre-feet to the Noble Creek Connection, for the month of February. The Agency is still delivering carryover water from last year. **(b) Sierra Storms:** The Sierras received quite a bit of snow last week. There is no word on an increase of our allocation.

(2) General Agency Updates: General Manager Davis reported on the following: **(a) Noble Connection Enlargement:** The Agency sent DWR \$60,000 and we expect to send a 90% design submittal for their review sometime this month. **(b) SGMA Update:** Meetings for the GSA San Timoteo basin and the GSA San Geronio Pass basin are planned for this month. The first goal for each basin is to adopt bylaws. The Yucaipa basin GSA (which the Agency is also a part of) has adopted a set of bylaws. **(c) California WaterFix:** (A news article was provided to the board and members of the public on CWF project picking up speed). As stated in the article things are moving forward. A permit is required from the State Board to take water out of the north Delta. There are two-part series of hearings in Sacramento with the State Water Resources Control Board. Part one of the series took place last year, part two just started up.

B. General Counsel Report: General Counsel Jeff Ferre provided a written report on a recent court case addressing the authority of the State Water Resources Control Board to issue Curtailment Notices.

C. Directors Reports: (1) Director Stephenson reported on YVWD meetings that he attended. **(2) Director Thompson** reported on the Conservation and Education Committee meeting that took place on February 22nd. There was discussion on the Inland Solar Challenge, as well as starting a social media campaign.

6. New Business:

A. Consideration of Award of Construction Contract for Fiesta Recharge Facility and Mountain View Connection to Pro-Craft Construction: A staff report and a copy of a letter from Armstrong & Brooks Consulting Engineers on the Bid Review and Recommendation of Contract Award were included in the agenda packet. General Manager Davis stated that the project has been in the works for a number of years. This project was talked about in length at the Engineering workshop in January; at that time the Board directed staff to bring this item before the Board during today's meeting. The Board had requested information on potential losses in the Beaumont basin. A preliminary report, provided by Tom Harder, a hydrologist retained by the Watermaster, was presented at the Beaumont Basin Watermaster Board meeting in February and was discussed by the Agency Board. President Fenn asked for a motion. Director Lehtonen made a motion, seconded by Director Castaldo, to award the Construction Contract for Fiesta Recharge Facility and Mountain View Connection to Pro-Craft Construction. The Board then engaged in a discussion of this matter including, but not limited to, a statement by Director Stephenson that the facility is needed for future water demands, as well as being an integral part of rounding out the Agency's portfolio. Director Ball had concerns about water losses in the basin. President Fenn stated

that, in his opinion, if the Agency has a recharge facility and the Agency puts water in the ground, the Agency can live by the Watermaster's rules, as long as they are fair to everyone. Director Lehtonen stated that there was quite a bit of technical information presented at the Watermaster Board meeting and should Director Ball require more information, he should request minutes from the Watermaster meeting. Director Castaldo stated that it may take up to 2 months for the Watermaster's final report. Discussion continued on a number of topics, including, but not necessarily limited to:

1. Potential for Prop 1 grant money not being awarded;
2. Available capacity at BCVWD's facility and the potential for utilizing its facility;
3. Being responsible stewards of taxpayer's money;
4. The facility would enable the Agency to secure water at any given time;
5. The facility would ensure that the Agency will no longer have to have carryover water, which has the potential of being "spilled" under procedures for State Water Project water;
6. Delivery of water and capacity of the pipeline; and
7. The exemption from building and zoning ordinances for such water transmission and storage facilities.

After discussion, President Fenn requested a roll call vote.

<u>Roll Call:</u>	Aye	Noes	Absent	Abstain
Director Stephenson	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Ball	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Lehtonen	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Castaldo	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Duncan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Thompson	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Fenn	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Motion passed 5-2, with Directors Ball and Thompson opposed.

B. Consideration of Approving a Consulting Agreement with Albert A. Webb & Associates for Post Design Work Related to Fiesta Recharge Facility: A staff report and a copy of the proposal were included in the agenda packet. President Fenn stated that he had two public comment requests. Public comments were then provided by Judy Bingham and Libi Uremovic. The Board's discussion included questions about the extent and need to obtain multiple quotes for this work. President Fenn called upon General Manager Davis for his comments. General Manager Davis stated that both Albert A. Webb (design of recharge basin) and Armstrong & Brooks (design of connection) were involved in the design of the first phase and therefore, the recommendation was to have them involved in the post design work. Proposals from both consultants are included in the agenda packet. Director Stephenson made a motion, seconded by Director Duncan, to award the Consulting Agreement to Albert A. Webb & Associates for Post Design Work Related to Fiesta Recharge Facility: President Fenn requested a roll call vote.

<u>Roll Call:</u>	Aye	Noes	Absent	Abstain
Director Thompson	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Duncan	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Castaldo	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Lehtonen	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Ball	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Stephenson	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Director Fenn	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Motion passed 4-3, with Directors Thompson, Castaldo and Ball opposed.

C. Consideration of Approving a Consulting Agreement with Armstrong & Brooks for Post Design Work Related to Fiesta Recharge Facility: A staff report and a copy of the consulting agreement were included in the agenda packet. General Manager Davis relayed to the Board that connections to the State Water Project are very complex and Armstrong & Brooks is experienced with these types of projects. They have been hired by the Agency to do both the design and post design in the past and they did the design work for the connection in phase 1 of this project. Therefore, the recommendation was to award this contract to Armstrong & Brooks. After discussion, Director Stephenson made a motion, seconded by Director Castaldo, to award the Consulting Agreement to Armstrong & Brooks for Post Design Work Related to Fiesta Recharge Facility. President Fenn requested a roll call vote. Motion passed 6-1, with Director Ball opposed.

D. Consideration of and Possible Action on Sponsorship of Inland Solar Challenge: A staff report was included in the agenda packet. President Fenn turned this item over to Director Thompson - Conservation and Education Committee Chair. Director Thompson stated that the committee reviewed previous year's contributors. The committee is recommending to award an amount of \$2500.00. Cecilia Griego thanked the Board for its support in previous years and for this year's event. She relayed that this year's PSA topic is for the students to discuss their water agencies and where they get their water supplies from. Director Thompson inquired if they considered asking the solar industry to sponsor the event. Ms. Griego responded that the solar industry has sponsored in the past, however they have not been approached for this year. Director Thompson stated that the consensus from the Conservation and Education Committee was that they liked the event. It is heavy on the engineering side, but it is water lite. Director Thompson stated that he was one of the judges (along with Directors Duncan and Stephenson) last year and the PSA was on point. He would be willing to judge again this year. A lot of engineering aspects went into the East Branch Extension, and we certainly appreciate teaching children to become engineers for the water industry. It would be fair to us to also have the solar industry sponsor this event. Ultimately, this is why we decided to match what Yucaipa Valley Water District did last year. Ms. Griego stated that the dates for the event are May 18th – 20th. Director Ball inquired if the 501 (c)(3) that was discussed during last year's meeting is in place. Ms. Griego stated that they hired a consultant and hope to have one this year. Director Thompson made a motion, seconded by Director Duncan, to approve \$2500 for the Solar Challenge. Motion passed 7-0.

7. **Topics for Future Agendas:** Director Stephenson requested discussion on a pipeline to the Cabazon area. Director Castaldo suggested that the Agency be present at the next annual Celebrate Reading and the Arts literacy program that was sponsored by the Rotary Club and the school district. This program takes place on an annual basis, during the first week of March. The event brought in approximately 1000 children. The Agency could set-up a booth and provided coloring books and other water conservation material for children. Director Ball asked that the topic of what constitutes a state project be discussed, and would Noble Creek be included in the state water project pipeline. He would also like to discuss facility fee opportunities. There were no other items for future agendas.

8. **Announcements:**

- A. Engineering Workshop, March 12, 2018 at 1:30 p.m.
- B. Regular Board Meeting, March 19, 2018 at 1:30 p.m.
- C. Finance & Budget Workshop, March 26, 2018 at 1:30 p.m.

9. **Closed Session (1 Item)** – President Fenn asked General Counsel Ferre if he anticipates any reportable action. General Counsel Ferre stated that he does not anticipate any reportable action. **President Fenn recessed the meeting to closed session at – Time: 2:25 p.m.**

- A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
(Paragraph (1) of subdivision (d) of Government Code Section 54956.9
Name of case: San Geronio Pass Water Agency vs. Beaumont Basin
Watermaster
Case No. RIC 1716346

The meeting reconvened to open session at: Time: 2:43 pm

General Counsel Ferre stated that there was no action taken during closed session that is reportable under the Brown Act.

10. **Adjournment**

Time: 2:43 pm

Draft – Subject to Board Approval

Jeffrey W. Davis, Secretary of the Board

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SAN GORGONIO PASS WATER AGENCY
1210 Beaumont Avenue, Beaumont, CA 92223
Minutes of the
Board of Directors Engineering Workshop
March 12, 2018

Directors Present: David Fenn, President
Blair Ball, Director
David Castaldo, Director
Ron Duncan, Director
Steve Lehtonen, Director
Leonard Stephenson, Director
Michael Thompson, Director

Staff Present: Jeff Davis, General Manager
Jeff Ferre, General Counsel
Cheryle Stiff, Executive Assistant
Mandy Parkes, IERCD
Jasmine Orozco, IERCD

1. Call to Order, Flag Salute and Roll Call. The Engineering workshop of the San Gorgonio Pass Water Agency Board of Directors was called to order by Director Duncan at 1:30 p.m., March 12, 2018 in the Agency Board room at 1210 Beaumont Avenue, Beaumont, California. Director Duncan led the Pledge of Allegiance to the flag. A quorum was present.

2. Public Comment. No members of the public wished to speak at this time.

3. Demonstration of Groundwater Model by Inland Empire Resource Conservation District. Mandy Parkes and Jasmine Orozco of the Inland Empire Resource Conservation District (IERCD) demonstrated the Agency's tabletop groundwater model and showed some slides of their standard groundwater presentation. General Manager Davis indicated to the Board that this was recommended by the Water Conservation and Education Committee and that he will bring some items to the Board at the next Board meeting related to the groundwater model.

4. Update on Groundwater Quality Modeling for Beaumont Management Zone. A copy of a letter from SBVMWD to the Regional Board and a proposal from GeoScience to perform the modeling were included in the agenda package. General Manager Davis summarized the proposal process for the Board, noting that the GeoScience proposal was the only one received. He also summarized a meeting that took place a week ago at the Regional Board in which postponing the water quality modeling was discussed. The letter from SBVMWD to the Regional Board is a result of that meeting. He noted for the Board that the modeling may be postponed by a few months to as much as four years, should the Regional Board recognize that one model run per decade is sufficient for their needs. He told the Board that he would keep them updated on this issue.

5. Discussion of Proposition 68. Information on Prop 68, a water bond on the June ballot, was included in the agenda package. General Manager Davis reviewed the information with the Board, noting that the Board had asked him to bring this back for

possible consideration of an endorsement. After discussion, the Board decided not to consider endorsement of this bond issue.

6. Discussion of AB 2050. A copy of the bill as currently worded was included in the agenda package. General Manager Davis noted that this is a bill that the Board may want to follow, in that it could cause consolidation of smaller water agencies within the Agency's service area. General Manager David Armstrong of South Mesa Water Company provided some additional information, as he had just attended a meeting on this bill. The Board directed General Manager Davis to keep them informed on this bill as it works its way through the legislative process.

7. Announcements

- A. Regular Board Meeting, March 19, 2018 at 1:30 pm
- B. Finance and Budget Workshop, March 26, 2018 at 1:30 pm
- E. San Gorgonio Pass Regional Water Alliance, March 28, 2018 at 5:00 pm – Banning City Hall

8. Closed Session (1 item)

- A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
(Paragraph (1) of subdivision (d) of Government Code Section 54956.9
Name of case: San Gorgonio Pass Water Agency vs. Beaumont Basin
Watermaster Case No. RIC 1716346

The Board went into closed session to discuss the subject issue at 2:45 pm. At 2:54 pm, the Board reconvened. General Counsel Ferre noted that the Board had provided some direction to the General Counsel, but that no action was taken that is reportable under the Brown Act.

9. Adjournment

Director Duncan adjourned the meeting at 2:54 pm

Draft—subject to Board approval

Jeff Davis, Secretary to the Board

cmr



BEST BEST & KRIEGER
ATTORNEYS AT LAW

Memorandum

To: President and Members of the Board
San Geronio Pass Water Agency

From: Jeffrey F. Ferre, General Counsel
Best Best & Krieger LLP

Date: March 19, 2018

Re: General Counsel Report - Board of Directors Meeting – March 19, 2018

SB 100 – State Policy To Have 100% Of Electricity Produced From Renewable Sources

SB 100 was held in the Assembly in 2017, after passing the Senate. The bill is currently located in the Assembly Utilities & Energy Committee. It is not clear at this point if this bill will ultimately be passed and signed by the Governor. However, a mandate to move to ever increasing percentages of renewable energy sources could have a significant financial impact on the cost of power to the Agency directly, as well as through power charges incorporated into rates charged by State agencies such as DWR. A summary of some of the provisions of this bill are set forth below.

Under existing law, investor owned utilities (for example, Edison, regulated by the PUC) and publicly owned utilities (for example, a city-owned utility governed by a city council) are required to procure a minimum quantity of electricity from renewable energy resources so that the total kilowatt hours of those products sold to their retail end-use customers achieve: (1) 25% of retail sales by December 31, 2016; (2) 33% by December 31, 2020; (3) 40% by December 31, 2024; (4) 45% by December 31, 2027; and (5) 50% by December 31, 2030.

SB 100 would revise the above-mentioned standards to require that utilities procure a minimum quantity of electricity from renewable energy resources so that the total kilowatt hours of those products sold to their retail end-use customers achieve: (1) 44% of retail sales by December 31, 2024; (2) 52% by December 31, 2027; and (3) 60% by December 31, 2030.

This bill would also declare that it is the policy of the State that renewable energy resources and zero-carbon resources supply 100% of retail sales of electricity to serve California end-use customers and electricity procured to serve all state agencies no later than December 31, 2045. The bill would also require the PUC, California Energy Commission, and all other state agencies to incorporate this policy into their planning and programs.

MEMORANDUM

TO: Board of Directors

FROM: General Manager

RE: Cost Share for San Gorgonio Flume Gaging

DATE: March 19, 2018

Summary:

The purpose of this proposed Board action is to determine if the Board wishes to continue its longtime support of the San Gorgonio Flume by contributing \$30,000 towards stream gaging, as requested by the City of Banning.

Background:

The Agency has been involved in working to protect the Whitewater River interbasin transfer conveyed by the San Gorgonio Flume since the 1990's. Over the years, the Agency has worked with the City of Banning and the Banning Heights Mutual Water Company to transfer ownership from Southern California Edison and to obtain the necessary permits to enable this transfer.

Most of the funds expended by the Agency have been cost sharing for various consultants supporting the three Participating Entities, as the Agency, the City, and the Company are called. The total expended by the Agency is approximately \$840,000 since 2001, of which approximately \$280,000 has been reimbursed from the other two Participating Entities, for a net expenditure of approximately \$560,000 (not including legal costs). The great majority of this was spent between 2001 and 2009. Since 2009, the net Agency expenditure has been approximately \$143,000.

Detailed Report:

Starting in 2013, the Agency contracted with the USGS to perform monitoring of flows in Burnt Canyon, a necessary part of the overall flume program. Over the next several years, the Agency expended

approximately \$60,000 doing this work until the City of Banning took over this metering, as well as gaging of the streams at the two diversions. This brings total Agency expenditures on the flume to over \$600,000. Banning has been paying the USGS for this work over the past year. In addition, Banning has paid Aspen Environmental approximately \$250,000 over the past three years to support the USFS Special Use Permit process.

During this time, Banning Heights Mutual Water Company paid Aspen approximately \$100,000, and has paid an attorney a similar amount to perform historical research into right of way issues that could lead to a more favorable outcome for the Participating Entities.

In November, the Agency received a letter from the City requesting financial support for this gaging work in the amount of \$30,000, and the Agency responded (see attached). As noted above, over the past 3-4 years, the City has also expended several hundred thousand dollars on other consultants that have worked on permitting issues on behalf of the Participating Entities.

The ongoing gaging provides a benefit to both the City and Banning Heights. The real-time monitoring allows them to know when the flume system is blocked and enables them to either send a crew to fix it, or to have Edison send a crew to fix it. This real-time gaging has resulted in a steadier and more consistent flow of water to Banning and Banning Heights over the past two years and thus provides a benefit to them.

Support of the flume project is consistent with the Agency's mission statement to "protect and enhance local water supplies." Over the years, the Agency Board has recognized the value of the high quality water entering the Agency's service area at a high elevation, and thus has contributed to the effort to transfer ownership to a local entity.

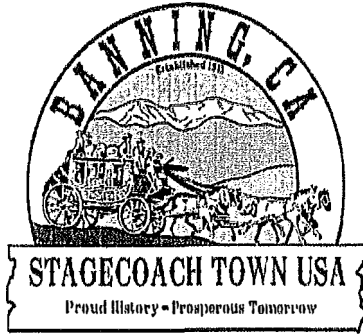
Fiscal Impact:

Support for the flume is not included in this year's general fund budget. Should the Board decide to provide some cost sharing, Agency staff would have to consider how to account for it in the budget, or alternatively the Board could approve a budget revision to account for it. The \$30,000 represents approximately 0.4% of the

non-capital general fund budget; thus it would not be difficult to incorporate the expenditure into the budget.

Recommendation:

Staff recommends that the Board consider participating in the \$30,000 cost share suggested by the City. The City and Banning Heights have expended large amounts of capital on the flume project over the past few years in order to keep it moving forward. In addition, the gaging is a benefit to both of those retail water agencies.



November 20, 2017

City of Banning Public Works Department

Jeff Davis, General Manager
San Geronio Pass Water Agency
1210 Beaumont Avenue
Beaumont, CA 92223

Re: USGS Stream Gaging Cost Share

Mr. Davis,

On November 14, 2017 the City Council (Council) of the City of Banning approved a new agreement with the United States Geological Survey (USGS) in the amount of \$92,500 to continue the stream gaging program as it relates to the San Geronio Flume. During Council's discussion on this item, they directed staff to prepare and send a letter to the San Geronio Pass Water Agency (SGPWA) requesting that SGPWA, a member of the four party agreement (specifically titled "Agreement for Transfer of San Geronio Hydroelectric Project No. 344 Water Conveyance Facilities"), consider participation in sharing the cost of the USGS agreement.

As approved by City Council, the agreement is to be funded by contributions from the City of Banning, Banning Heights Mutual Water Company and Edison (three of the four parties in the four party agreement). The City requests that SGPWA consider a cost share in the amount of \$30,000.

Please feel free to give me a call at 951-922-3134 to discuss.

Sincerely,

A handwritten signature in black ink, appearing to read "Art Vela".

Art Vela, P.E.
Director of Public Works/City Engineer



San Gorgonio Pass Water Agency

A California State Water Project Contractor
1210 Beaumont Avenue • Beaumont, CA 92223
Phone (951) 845-2577 • Fax (951) 845-0281

December 19, 2017

President:
David Fenn

Vice President:
Ronald Duncan

Treasurer:
Leonard Stephenson

Directors:
Dr. Blair M Ball
David Castaldo
Stephen Lehtonen
Michael Thompson

**General Manager
& Chief Engineer:**
Jeff Davis, PE

Legal Counsel:
Jeffry Ferre

Art Vela, Public Works Director
City of Banning
99 E. Ramsey Street
P. O. Box 998
Banning, CA 92220

Dear Mr. Vela:

The Agency is in receipt of your letter of November 20 inviting the Agency to participate in cost sharing for the stream gaging program associated with the San Gorgonio Flume. As you know, the Agency has been a strong supporter of efforts to retain the water that is transferred into our service area through the flume system. In fact, the Agency has spent over \$600,000 to support this project over the years.

I have discussed your letter with President Fenn, and he has indicated to me that he will find an appropriate time to bring this issue before our Board for consideration. Please do not hesitate to contact President Fenn if you have any questions regarding this matter.

Very truly yours,



Jeff Davis

cc:
Mayor Art Welch
Councilmember George Moyer
Councilmember Don Peterson
Councilmember Debbie Franklin
Councilmember Daniela Andrade
President Fenn

MEMORANDUM

TO: Board of Directors

FROM: General Manager

RE: Amended Agreement with Inland Empire Resource Conservation District

DATE: March 19, 2018

Summary:

The purpose of this proposed Board action is to determine if the Board wishes to amend the Agency's agreement with the Inland Empire Resource Conservation District to provide for additional work related to training high school teachers to use a tabletop groundwater model. The approximate cost would be \$6750.

Background:

The Agency has worked with the Inland Empire Resource Conservation District (IERCD) to bring water education programs to local schools. The Water Conservation and Education Committee is proposing to add to the scope of this work the training of high school teachers in using a tabletop groundwater model to understand groundwater principles so that they can teach this to their students.

Detailed Report:

The Agency received a proposal from the IERCD to perform this work (included in the agenda package). The approximate cost would be \$6750 this fiscal year. The costs could continue into future years if approved by the Board.

In preparation for this, the Board witnessed a demonstration last week of the groundwater model by IERCD staff. It is likely that the training of teachers would be more comprehensive than the demonstration given to the Board.

The concept for the program is to purchase four more of these models (the Agency already has one). These would be given to

Yucaipa High School, Beaumont High School, Banning High School, and the IERCD. The IERCD would contact science teachers in each high school and arrange a training session for those who wish to attend. The training session would focus on elements of the core curriculum that can be taught using the model. It would be up to individual teachers as to whether they would use the model in their instruction or not.

Fiscal Impact:

The cost of this work would be approximately \$6750 this fiscal year. The budget includes \$35,000 for other water conservation and education programs. Should the Board decide to have the IERCD pick up the models each spring, clean them over the summer, and return them in the fall, there could be a modest additional cost over the next several years.

Recommendation:

The Water Conservation and Education Committee recommends that the Board approve the amendment to the current IERCD agreement, or alternatively a new agreement for this work.

PROPOSED ADDENDUM TO SGPWA-IERCD 2017-18 WATER CONSERVATION OUTREACH CONTRACT



SAN GORGONIO PASS
WATER AGENCY
• Established 1961 •



INLAND EMPIRE
RESOURCE
CONSERVATION DISTRICT

Date: December 6th, 2017

PROPOSED STATEMENT OF WORK:

GROUNDWATER DYNAMICS USING 3-DIMENSIONAL MODEL

Summary: The San Gorgonio Pass Water Agency (SGPWA) board of directors consistently works to determine most effective methods of water conservation education and outreach to residents within their service area. To date, the majority of these methods have focused on IERCD-led instruction in the classroom and at SGPWA headquarters; however, in the current fiscal year, the Agency and IERCD are exploring the potential to stretch the impact of these monies even further. The model suggested by SGPWA is to train educators within Agency boundaries on the fundamentals of water conservation presentation and model demonstration; once trained, these teachers would then be able to pass this training along to both colleagues and directly to their K-12 students. Using this model, the reach of dollars invested in annual resource management in SGPWA service area is projected to grow significantly, increasing total number of residents aware of the role of groundwater management in ensuring ongoing regional supply.

The approach for layering training on top of program requests is projected to include the following core elements:

1. SGPWA will purchase and provide four groundwater models for the three local high schools (Yucaipa, Beaumont, Banning) and one for IERCD use.
2. IERCD will develop protocol and train the pre-selected teachers on how to best prepare, facilitate presentations and model use, then provide content reinforcement opportunities to most effectively communicate importance of groundwater to participating students.
3. After initial training it would be up to the schools to decide how they would use them, how frequently, and for what classes, although IERCD will provide a suggested framework to lead teachers in an attempt to maximize model sharing and use among faculty members.
4. The IERCD will retain responsibility for models on behalf of SGPWA, through dropping them with the lead teacher at the beginning of each school year and picking them up at the end of each school year. This regular contact will help IERCD assist teachers with maintenance of models for maximum lifetime and function, and will also provide regular opportunities to update classroom and pre/post classroom content.

POTENTIAL DESIGN - SGPWA AQUIFER MODEL TRAINING PROGRAM

Training approach: in the current contract, SGPWA has requested that IERCD facilitate two teacher workshops on campuses within its service area. This requirement has the potential to focus on objectives stated in the contract covering 2017-18, but also has the potential to include a specific focus on aquifer model and instruction strategy

- Participants: SGPWA will identify one “lead” teacher from each high school; IERCD will also directly outreach to departments in each high school for additional participation
- Agenda for trainings: Aquifer model excerpt
 - Review of SGPWA role in groundwater management/long-term regional water supply development and sustainability; partnership between IERCD-SGPWA
 - Review of standards corresponding to aquifer demonstration: Next Generation Science Standards (NGSS); specifically, *HS-ESS2-5. Plan and conduct an investigation of the properties of water and its effects on Earth materials.*
 - *Emphasis is on mechanical and chemical investigations with water and a variety of solid materials to provide the evidence for connections between the hydrologic cycle and system interactions commonly known as the rock cycle.*
 - Review of topics directly/indirectly connected to aquifer use:
 - Geological materials; sand, soil, gravel, rock
 - Infiltration
 - Recharge
 - Soil moisture
 - Water table
 - Storage
 - Contaminants/Treatment
 - Structure of classroom use of aquifer model:
 - Pre-program content
 1. Vocabulary
 2. Age/class-appropriate activities to conduct in days leading up to aquifer program
 - Prezi– online presentation capable of integrating audio/video with graphics that are easily updated; IERCD groundwater model Prezi will be provided in hardcopy, with training attendees walked through each frame, and Q/A on content. Focus on ability of each teacher to begin with existing Prezi template, and modify for individual class needs
 - Model facilitation
 - Post-program materials:
 1. Content comprehension quizzes
 2. Post-program activities
 3. Link to resources to allow instructors to tailor presentation and pre/post program content to class needs
 - Small group work to experiment with models, ask additional questions
 - All participants leave with flash drive of suite of documents covering aquifer model preparation, facilitation, post-program reinforcement, plus proper care and maintenance to lengthen life of model

PROGRAM OPERATIONS

Approach: the IERCD is also planning to develop a companion set of guidelines for individual campus use of models, to include the following elements:

- Design of individual campus trainings for participating teachers focusing on aquifer model storage and use guidelines
- Template calendar for teachers to allow transition of model among classrooms, to include a recommended timeframe for participating teachers
 - Role of Science team lead at each school site to keep model moving between users
- Development of training materials for use and care of models
- Additional availability of IERCD support for participating teachers, ranging from model care/maintenance to classroom support to pre/post-program help
- IERCD staff will collect models at end of school year, clean and store over the summer months, and then return to school sites at the beginning of the new school year.

PROPOSED COST

Task	Description	Estimated Staff Hours	Line Item Cost
Preparation	Materials/Content Development	80	\$2,800
Training	Teacher Training Day	40	\$1,400
Post-Training Educational Support	Emails, Calls, Classroom Visits with participating teachers	20	\$700
Annual Model Collection	Models cleaned, stored, returned at beginning of school year	10	\$350
Training Day Facility and Food			\$1,500.00
Total Potential Cost for Aquifer Model Addendum			\$6,750.00

Jeff Davis

From: Mandy Parkes <mparkes@iercd.org>
Sent: Thursday, February 22, 2018 2:01 PM
To: Jeff Davis
Subject: Costs
Attachments: 2017-18 SGPWA-IERCD Contract Addendum Proposal.docx

Hi Jeff,

I took a stab at costs but these can be altered down if need be, and also represent higher costs in this first year of design/development of the program. In future years, that program development line item would be significantly reduced to only include funds for updating content consistent with any changes in standards. Please also remind the board in addition to these costs, it would be approximately \$6,000 in aquifer models for four of them.

Keep me posted if I can answer anything else and thank you so much! -mandy

Mandy Parkes
District Manager
Inland Empire Resource Conservation District
25864-K Business Center Drive
Redlands, CA 92374
General: 909-799-7407
Direct: 909-283-7779
Fax: 909-478-5501

Please note our updated phone numbers!



INLAND EMPIRE
RESOURCE
CONSERVATION DISTRICT

MEMORANDUM

TO: Board of Directors

FROM: General Manager

RE: Purchase of Four Groundwater Models

DATE: March 19, 2018

Summary:

The purpose of this proposed Board action is to determine if the Board wishes to purchase four tabletop groundwater models that would be given to three local high schools and the Inland Empire Resource Conservation District.

Background:

The Agency is currently partnering with the Inland Empire Resource Conservation District (IERCD) to provide water conservation programs to schools within the Agency's service area. This partnership has been ongoing for several years. The Water Conservation and Education Committee has investigated other ways in which the Agency could partner with the IERCD to implement other water education programs.

Detailed Report:

The Committee feels that high school students should understand more about how groundwater works, since most local residents get their water from groundwater. The Committee has looked at different ways to implement such a program and is recommending the Board authorize purchasing four additional groundwater models and to provide one each to Yucaipa High School, Beaumont High School, Banning High School, and the IERCD.

The IERCD, under an amendment to its agreement with the Agency that will be considered at today's Board meeting, would contact science teachers at these schools (with the help of the Committee) and set up a date to train science teachers in how to use the models

to teach core curriculum subjects to students. The IERCD would have its own model to use as it sees fit.

Once the IERCD has trained the teachers at each high school, it will deliver one model to each, pick it up at the end of the school year, clean it during the summer, and return it in the fall.

This would be a program designed to educate high school students about groundwater, how it works, and how groundwater basins can become contaminated.

Fiscal Impact:

Funds for such a program are budgeted under water conservation programs. The approximate cost of four groundwater models, including spare parts, a travel case for each, and shipping, is \$8000. Cost of the four models alone, including a discount, shipping, and insurance, is \$7066.60. This assumes full prepayment by the Agency.

Recommendation:

The Water Conservation and Education Committee recommends that the Board authorize purchase of four groundwater models from Creative Lab Works in Pennsylvania, including spare parts, for a cost not to exceed \$8000.

Creative Labworks, Inc.

www.CreativeLabworks.com FEIN: 26-3918022

203 West Poland Avenue • Bessemer, PA 16112 USA

Phone: 724-667-4093 • Fax: 724-667-4095

Phone: 877-804-1431 • Fax: 888-296-9055

*Thank You for your Order, We truly appreciate your Business!
Please let us know if we can serve you again. We aim for Complete Customer Satisfaction.*

Estimate

Bill To:

Cheryle Rasmussen
San Gorgonio Pass Water Agency
1210 Beaumont Ave.
Beaumont, CA 92223
Phone: 951-845-2577, Fax: 951-845-0281
CRasmussen@sgpwa.com

Ship To:

Cheryle Rasmussen
San Gorgonio Pass Water Agency
1210 Beaumont Ave.
Beaumont, CA 92223
Phone: 951-845-2577, Fax: 951-845-0281
CRasmussen@sgpwa.com

Estimate No:

03074

Customer ID:

SGPWA-CA

Date	Your PO No:	Our Order No.	Sales Rep.	FOB	Ship Via	Terms
03-09-18		03074	KJ	PA	Best Way	PREPAID ORDER

Quantity	Our Item No:	Description	Unit Price	Total
4	E2100OPT4	Sand & Gravel Groundwater Simulator Kit	1,764.95	7,059.80
		Kit with Standard Accessories	included	
		Rainmaker Kit with Standard Accessories	included	
		Ultra Foam Lined Carry Case	Included	
		Less Discount (Final Price to be old 2017 Pricing)	-75.00	-300.00
		Less Discount for Prepaid Order		-200.00
		Less Shipping Discount for Prepaid Order		-100.00

NOTE:

Thank you for your interest in our products. We appreciate your interest in Groundwater Education.

This Quote is supplied at the rate of our old 2017 Prices.
Maximum Discounts applied for Prepaid Order
Have a Great Day! And Thank You for your order!

Kristen Jordan

Subtotal:	6,459.80
Church Discount / Donation:	
Shipping & Insurance:	606.80
Tax:	
Less Deposit Received:	
Miscellaneous:	
Balance Due In US FUNDS:	\$7,066.60 USD

PLEASE REMIT PAYMENT TO: CREATIVE LABWORKS, INC. • PO BOX 146 • NEW WILMINGTON, PA 16142



I certify that the goods referenced in this invoice comply with the origin requirements specified for these goods in the North American Free Trade Agreement, and that further processing or assembly outside the territories of the parties has not occurred subsequent to processing or assembly in the NAFTA region.