

SAN GORGONIO PASS WATER AGENCY
1210 Beaumont Avenue, Beaumont, CA
Board of Directors Meeting
Agenda
February 16, 2010 at 1:30 p.m.

1. Call to Order, Flag Salute 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 Regular Board Meeting, February 1, 2010*
- B. Approval of the Minutes of the Board Water Conservation and Education Workshop, February 4, 2010*
- C. Approval of the Minutes of the Board Engineering Workshop, February 8, 2010*

5. Reports (Discussion and Possible Action)

- A. General Manager's Report
 - 1. Update on Water Deliveries to Retailers
 - 2. Update on Water Supplies
 - 3. General Agency Updates
- B. Director's Reports

6. Old Business (Discussion and Possible Action)

- A. Consideration of Proposal from CDM to Provide Consulting Services to Develop Drought Allocation Principles*

7. New Business (Discussion and Possible Action)

- A. Consideration of Moving Water Conservation Workshops for the Public to May*
- B. Update on Banning Heights Mutual Water Company
- C. Presentation of Draft State Water Project Reliability Report*

8. Topics for Future Agendas

9. Announcements

- A. Board Finance & Budget Workshop, February 22, 2010 at 9:00 a.m.
- B. Regular Board Meeting, March 1, 2010 at 1:30 p.m.

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 <http://www.sgpwa.com>. (1)

(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 of Directors Meeting
February 1, 2010

Directors Present: John Jeter, President
Ted Haring, Vice President
David Dysart, Treasurer
Bill Dickson, Director
Ray Morris, Director
Barbara Voigt, Director
Carl Workman, Director

Staff Present: Jeff Davis, General Manager
Tom Todd, Jr., Finance Manager
Peg Noble, Administrative Assistant

1. Call to Order, Flag Salute and Roll Call: The meeting of the San Gorgonio Pass Water Agency Board of Directors was called to order by Board President John Jeter at 1:30 p.m., February 1, 2010 in the Agency Board Room at 1210 Beaumont Avenue, Beaumont, California. Director Dysart led the Pledge of Allegiance to the flag. A quorum was present.

2. Adoption and Adjustment of the Agenda: The agenda was adopted as presented.

3. Public Comment: Luwana Ryan of Cherry Valley addressed the board to advise them that Beaumont Cherry Valley Water District lost grant funding for their recycled water system because an agreement could not be reached with the City of Beaumont to furnish water from the wastewater plant for the recycled system. She suggested that the Agency cease efforts to establish a capacity fee and instead take a lead role in encouraging cooperation within the Pass area among water agencies for the mutual benefit of the citizens. No other members of the public requested to speak at this time.

4. Consent Calendar:

- A. Approval of the minutes of the Regular Board Meeting, January 19, 2010
- B. Approval of the minutes of the Board Finance and Budget Workshop, January 25, 2010
- C. Approval of the Recommendations from Finance & Budget Workshop

Director Dickson moved, seconded by Director Morris, to approve the items on the consent calendar as presented. Motion passed unopposed.

5. Reports:

A. General Manager's Report:

1. Update on Water Deliveries to Retailers: General Manager Davis reported that in the month of January the Agency delivered 27 acre-feet of water to the Little San Gorgonio Creek spreading facility and 412 acre-feet to Beaumont Cherry Valley Water District's ponds at Noble Creek for use by BCVWD and City of Banning. The Agency has delivered a total of 4927 acre-feet of State water to the Little San Gorgonio

Creek spreading facility since spreading began there. Agency spreading will be shut down for most of February for maintenance on the East Branch Extension by Department of Water Resources and San Bernardino Valley Municipal Water District. The Agency's retailers have been advised of the shut down schedule.

2. General Agency Updates: (1) General Manager Davis reported that in spite of recent storms the Table A allocation remains at 5%. The allocation could change after DWR evaluates the most recent snow survey results. Copies of a letter from San Luis & Delta-Mendota Water Authority and Kern County Water Agency to Senator Dianne Feinstein and a Declaration by Terry Erlewine to the United States District Court Eastern District of California in Support of Joinder of the State Water Contractors in the Motion for Temporary Restraining Order of the San Luis & Delta-Mendota Water Authority and Westlands Water District were handed out at the meeting. General Manager Davis read portions of the letter to Senator Feinstein that explained the very real impacts the recent biological opinions and recent court decisions are having on the people in the state of California. He also read portions of Mr. Erlewine's declaration including his estimates of the amount of water being lost to the state due to pumping restrictions. (2) Former Executive Director of ACWA, Steve Hall, passed away in January. He will be greatly missed. (3) General Manager Davis expects to have more information of a possible water rights purchase by the Agency to bring to the Board in March. The entity wishing to sell water rights has decided to complete all CEQA work prior to moving forward with any negotiations on a possible sale. (4) The Agency annexation of land in the Oak Glen area is complete. The Agency will designate what Agency Division the property will be in at a later date.

B. Directors' Reports: Director Dickson reported that several Directors attended a tour arranged by Director Workman with Metropolitan Water District of Southern California of the Colorado River Aqueduct. Director Dickson reported that tour was beneficial to understanding the complex water issues in California. Director Voigt reported that facilities built many years ago are still working well. Director Dysart reported that he attended the Special Board Meeting of Beaumont Cherry Valley Water District on January 29, 2010. Included in discussion at the meeting was the loss of grant funding for the District's recycled water system. No other directors reported at this time.

6. New Business:

A. Consideration of Resolution #2010-02, Revising the Agency's Reserve Policy to Add Bonds Backed by the US Government as an Acceptable Investment: A copy of the resolution was included in the agenda packet. This matter was discussed at the January Finance & Budget workshop. A motion was made by Director Haring, seconded by Director Dickson, that Resolution #2010-02 be adopted as presented. Ayes: Haring, Voigt, Morris, Workman, Dysart, Dickson and Jeter. Noes: none. Absent: none. The motion passed unanimously.

B. Consideration of Investing a Portion of the Agency's Reserves in Government Bonds: A staff report was included in the agenda packet. This item was requested to be put on the agenda with a recommendation from staff at the January Finance & Budget workshop. A motion was made by Director Haring, seconded by Director Voigt, to move \$3 million from LAIF to an investment account, where it will be used to purchase US government backed securities (bonds). The motion passed unopposed.

General Manager Davis recommended that the Agency invest \$3 million to purchase a Federal Home Loan Bank bond that will mature in 2.5 years, at an initial interest rate of .75%, stepping up to a maximum of 3.5%. The bond has 9 call dates prior to maturity.

C. Consideration of Resolution #2010-03, Commending ACWA on Its Centennial: A copy of the resolution was included in the agenda packet. A motion was made by Director Morris, seconded by Director Dysart, to adopt Resolution #2010-03 as presented. Ayes: Haring, Voigt, Morris, Workman, Dysart, Dickson and Jeter. Noes: none. Absent: none. The motion passed unanimously.

7. **Topics for Future Agendas:** Director Voigt requested a discussion at the next Engineering workshop of Mrs. Ryan's concerns as presented during public comment at today's meeting. There were no other topics for future agendas requested at this time.

8. **Announcements:**

President Jeter welcomed several members of the public to the meeting.

- A. Board Water Conservation and Education Workshop, February 4, 2010 at 9:00 a.m.
- B. Board Engineering Workshop, February 8, 2010 at 9:00 a.m.
- C. The office will be closed February 15, 2010 for Presidents' Day
- D. Regular Board Meeting, February 16, 2010 at 1:30 p.m.
- E. Board Finance & Budget Workshop, February 22, 2010 at 9:00 a.m.

9. **Adjournment:** The meeting adjourned at 2:06 p.m.

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 Water Conservation and Education Workshop
February 4, 2010

Directors Present: John Jeter, President
Ted Haring, Vice President
David Dysart, Treasurer
Bill Dickson, Director
Ray Morris, Director
Barbara Voigt, Director
Carl Workman, Director

Staff Present: Jeff Davis, General Manager
Peg Noble, Administrative Assistant

1. Call to Order, Flag Salute and Roll Call: The Water Conservation & Education workshop of the San Gorgonio Pass Water Agency Board of Directors was called to order by Board President John Jeter at 9:00 a.m., February 4, 2010 in the Agency Conference Room at 1210 Beaumont Avenue, Beaumont, California. President Jeter led the Pledge of Allegiance to the flag. A quorum was present.

2. Public Comment: No members of the public wished to address the Board at this time.

President Jeter turned the meeting over to Ted Haring, Chair of the Water Conservation and Education Committee.

3. Discussion of Content and Agenda for Public Water Conservation Workshops: A sample agenda was handed out at the meeting. The board discussed each topic on the sample agenda. Time estimates for topics and speakers were discussed. It was the consensus of the board that evening workshops be held in Beaumont, Banning, Calimesa and Cherry Valley and an afternoon workshop be held in Sun Lakes. Light refreshments will be served. Ads for the workshops will be placed in the Press Enterprise, Record Gazette and Yucaipa News Mirror. A color flyer will be printed. It will be mailed to elected officials and directors will hand it out and post on local bulletin boards. Handouts will be distributed to workshop attendees.

4. Announcements:

- A. Board Engineering Workshop, February 8, 2010 at 9:00 a.m.
- B. The office will be closed February 15, 2010 for Presidents' Day.
- C. Regular Board Meeting, February 16, 2010 at 1:30 p.m.
- D. Board Finance & Budget Workshop, February 22, 2010 at 9:00 a.m.

5. Adjournment: Chairman Haring adjourned the Board workshop at 10:28 a.m.

DRAFT – SUBJECT TO BOARD APPROVAL

Jeffrey W. Davis, Secretary to the Board pn

SAN GORGONIO PASS WATER AGENCY
1210 Beaumont Avenue, Beaumont, CA 92223
Minutes of the
Board of Directors Engineering Workshop
February 8, 2010

Directors Present: John Jeter, President
Ted Haring, Vice President
Bill Dickson, Director
David Dysart, Treasurer
Ray Morris, Director
Carl Workman, Director
Barbara Voigt, Director

Staff Present: Jeff Davis, General Manager

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 Board President John Jeter at 9:00 a.m., February 8, 2010 in the Agency Conference Room at 1210 Beaumont Avenue, Beaumont, California. President Jeter led the Pledge of Allegiance to the flag. A quorum was present.

2. Public Comment: No member of the public wished to address the Board at this time.

President Jeter turned the meeting over to Carl Workman, Chairman of the Engineering Committee.

3. Discussion of Possible Roles the Agency Board can Play in Fostering More Cooperation Among Local Water Agencies: This item was requested by Director Voigt after comments made by Luwana Ryan at the February 1 Board Meeting. Ms. Ryan was asked to summarize her previous comments and spoke about the uncertainty of water supplies once the "temporary surplus" in the Beaumont Basin ends in 2014. A lengthy discussion ensued, including comments from board members, staff, the general public, and Joe Zoba from the Yucaipa Valley Water District and Duane Burk from the City of Banning. The discussion included questioning the roles that various entities should play in local water supply, including the Beaumont Watermaster. At the end of the discussion, several members of the Board indicated that the Agency should get input from the Watermaster on what the Watermaster wants or expects from the Agency. It was pointed out that the Agency Board should not be driven by this input but should consider it in deciding what actions to take.

4. Discussion of Allocation Principles Used by Other Wholesale Water Agencies: General Manager Davis reviewed the actions he had taken as a

result of the Board's request that he research principles adopted by other wholesale water agencies. He indicated the only written principles he had been able to acquire thus far are from the San Diego County Water Authority, which were included in the agenda package. He then proceed to review the Authority's principles, which were quite complex, and explained that most if not all of these would not be applicable to the Agency because of our pricing structure and level of staffing. He provided information relating to allocation principles for both the Metropolitan Water District of Southern California and the Calleguas Municipal Water District. While he did not have written descriptions of these, he did provide a brief oral summary of these principles, which are need-based. Joe Zoba of the Yucaipa Valley Water District suggested that it was the responsibility of local water retailers to bring proposed principles back to the Board for consideration. General Manager Davis indicated that that was what he was trying to accomplish by hiring CDM to facilitate a series of meetings with Agency staff and the staff of local water retailers. At this point it was the consensus of the Board that the CDM agreement be brought back to the Board for further consideration at the next Board meeting.

5. Announcements:

- A. The office will be closed Monday, February 15, 2010 for Presidents' Day.
- B. Regular Board Meeting, Tuesday, February 16, 2010 at 1:30 p.m.
- C. Board Finance & Budget Workshop, February 22, 2010 at 9:00 a.m.

6. Adjournment: Chairman Workman adjourned the meeting at 10:29 am.

DRAFT – SUBJECT TO BOARD APPROVAL

Jeffrey W. Davis, Secretary to the Board

MEMORANDUM

TO: Board of Directors

FROM: General Manager

RE: Proposal for Consulting Services Related to Developing Drought Allocation Principles

DATE: February 16, 2010

Summary:

The Agency wishes to develop and adopt drought allocation principles for its retailers. This is a prudent, logical next step to producing an urban water management plan. CDM, our UWMP consultant, has submitted a proposal at staff's request to perform these services. The Board discussed the need for this at the Engineering Workshop on February 8.

Background:

With the Agency producing its first ever urban water management plan, its retail customers are interested in documenting the amount of water available from the Agency to each retailer in drought years when there may not be enough water to meet all water demands.

Once an urban water management plan is in place, a set of principles that would guide the Board in allocating water to retail agencies in drought years is a beneficial step. While stopping short of an actual detailed allocation plan that would have no flexibility, principles would allow the Agency's Board to allocate in a given year, based on the principles adopted and the water supply situation for each retailer in that year.

CDM's proposal (included in this agenda package) suggests a series of workshops in which CDM would facilitate, with the retail agencies providing the input required to develop the principles. By having the retailers provide the input, the Agency would improve the likelihood of retailer buy-in to the principles.

When this was first brought to the Board for consideration, the Board requested that Staff provide information on what other wholesale water agencies do in this regard. This discussion was held at the Engineering Workshop on February 8. It was the consensus at that meeting that Staff bring the CDM proposal back to the Board for consideration.

Fiscal Impact:

The proposal is for just under \$11,000. This was not budgeted for this fiscal year. If approved, a small budget revision would be required to account for this work in the Agency's General Fund budget for this year.

Recommendation:

Staff recommends approving a contract with CDM to perform this work for an amount not to exceed \$11,000. It is a logical follow-up to the urban water management plan, it is highly desired by the retail water agencies, and the principles developed would provide the flexibility the Agency needs in ensuring that the most pressing water demands are met in any given year.



LETTER PROPOSAL

To: Jeff Davis, General Manager, San Geronio Pass Water Agency

From: Dan Rodrigo, Principal-in-Charge

Date: January 13, 2010

As requested, CDM is submitting a proposal to assist San Geronio Pass Water Agency (SGPWA) with the development of drought allocation principles.

It is understood that these principles would represent guidelines that SGPWA could use should allocations of its State Water Project supplies be required, such as during a drought. The principles would also be intended to provide some useful information to those communities who purchase water from SGPWA on how it might allocate water in the future. However, few if any wholesale water agencies in California have standing allocation formulas. Rather they have guidelines or principles for allocation which then become formalized during the actual period of allocation. It is the intent that SGPWA would follow the same approach.

The majority of CDM's efforts will be in facilitating three agency workshops. This will allow SGPWA to participate as a stakeholder. CDM will document all discussions from these workshops and prepare a draft recommendation to SGPWA on allocation principles.

Task 1 - Project Kick-off Meeting

CDM would have a kick off meeting with SGPWA to determine ground rules for the agency workshops, as well as to discuss some initial strategies.

Task 2 - Facilitation of Agency Workshops

CDM will facilitate three agency workshops. The topics of the workshops are:

Workshop 1:

- Allocation Principles vs. Allocation Formula
- Purpose of Allocation Principles
- Example Principles from Other Agencies
- Initial Brainstorming on Principles

Workshop 2:

- Refined Brainstorming on Principles
- Tie in to UWMP

Workshop 3:

- Presentation on Draft Recommendation of Principles
- Discussion

Task 3 - Documentation

CDM will take notes for each of the workshop, and prepare a summary. CDM will also prepare a draft recommendation of allocation principles for SGPWA's consideration, based on the discussions at the workshop. CDM will also note where there is consensus and divergence between the agencies.

Budget

CDM's budget for this effort is shown below.

Tasks	Billing Rate (\$/hr)			Total Labor Hours	Dollars
	255	140	85		
	Dan Rodrigo (PM)	Steven Wolosoff	Administrative		
Task 1 - Kick Off Meeting	4	4	-	8	\$ 1,580
Task 2 - Agency Workshops	12	12	2	26	\$ 4,910
Task 3 - Documentation	8	12	3	23	\$ 3,975
CDM Labor Total	24	28	5	57	\$ 10,465
Other Direct Costs (mileage, printing, postage) billed at actual costs					\$ 500
Grand Total					\$ 10,965

MEMORANDUM

TO: Board of Directors

FROM: General Manager

RE: Moving Water Conservation Workshops to May to Coincide with Water Awareness Month

DATE: February 16, 2010

Summary:

The Board has planned a number of water conservation workshops to be given as part of Water Awareness Month. At the February 4, 2010 Water Conservation and Education Workshop, it was decided to hold these workshops in late March.

Since that time, it has come to Staff's attention that Water Awareness Month is May, not March as previously thought.

A delay of two months would provide more time to plan and market the workshops and therefore increase attendance.

Recommendation:

Staff recommends moving the workshops to May.

January 26, 2010

Summary:

Draft State Water Project Delivery Reliability Report, 2009

The *Draft State Water Project Delivery Reliability Report 2009* updates DWR's estimate of the current (2009) and future (2029) water delivery reliability of the SWP. The report is produced every two years as part of a settlement agreement signed in 2003.

The report shows that future SWP deliveries will be impacted by two significant factors. The first is significant restrictions on SWP and Central Valley Project (CVP) Delta pumping required by the biological opinions issued by the U.S. Fish and Wildlife Service (December 2008) and National Marine Fisheries Service (June 2009). The second is climate change, which is altering the hydrologic conditions in the State.

This report represents the state of water affairs if no actions for improvement are taken. It shows continued erosion of SWP water delivery reliability under the current method of moving water through the Delta. The updated analysis shows that the primary component of the annual SWP deliveries (referred to as Table A deliveries) will be less under current and future conditions, when compared to the preceding report (*State Water Project Delivery Reliability Report 2007*).

The report discusses areas of significant uncertainty to SWP delivery reliability:

- restrictions on SWP and CVP operations due to State and federal biological opinions to protect endangered fish such as delta smelt and spring-run salmon;
- climate change and sea level rise; and
- the vulnerability of Delta levees to failure due to floods and earthquakes.

As in previous reports, estimates of SWP deliveries are based upon operation simulations with DWR's CalSim II model using an extended record of runoff patterns. These patterns have been adjusted to reflect the levels of development in the source areas and, for future conditions, possible impact due to climate change and accompanying sea level rise. Potential deliveries under current conditions are estimated at the 2009 level and assume current methods of conveying water across the Delta and the current operational rules contained in the federal biological opinions. Potential deliveries under future conditions are estimated at the 2029 level and are also based on the assumptions that no changes will be made in either the way water is conveyed across the Delta or in the operational rules. The analysis of future conditions incorporates a climate change scenario from DWR's 2009 report, *Using Future Climate Projections to Support Water Resources Decision Making in California*, which represents the median effects of the 12 scenarios contained in the report.

The 2009 draft report shows greater reductions in water deliveries on average when compared to the 2007 report. The 2007 report incorporates the interim operation rules established by Judge Wanger in the federal court in 2007. It shows very significant reductions in SWP deliveries when compared to the 2005 report, which assumes operation rules that were less restrictive. The 2007 report shows current SWP annual Table A deliveries averaging 63% (2595 taf) of the maximum contract amount of 4,133 thousand acre-feet (taf) per year. The 2009 report shows a corresponding value of 60% (2485 taf). The 2007 report projects an annual average of 66% to 69% (2725-2850 taf) for the future condition, whereas the updated report has 60%.

Although the averages of the updated estimates are less than were estimated in the 2007 report, the annual deliveries during drier conditions are projected to be somewhat higher than estimated in the 2007 report. This is due to the updated analysis incorporating the ability of SWP contractors to save water allocated in one year for delivery in the subsequent year and because water stored upstream cannot be delivered in some years due to export restrictions and is, therefore, available in drier times. This phenomenon is illustrated in the tables and curves below.

Under current conditions, annual SWP Table A deliveries from the Delta average 60% of the maximum annual amount of 4,133 taf per year. Over the 82-year simulation period, annual SWP Table A deliveries range from 7% to 81% of the maximum amount. Over multiple-year dry periods, average annual Table A deliveries vary from 34% to 36% of the maximum Table A amount, while average annual deliveries over multiple-year wet periods range from 67 to 71% of the maximum Table A amount. Under current conditions, annual SWP Article 21 deliveries, a secondary component of annual deliveries, average 85 taf and range from 2 taf to 850 taf over the 82-year simulation period.

Under future conditions, annual SWP Table A deliveries from the Delta also average 60% of the maximum Table A amount. Over the 82-year simulation period, annual SWP Table A deliveries range from 11% to 97% of the maximum amount. Over multiple-year dry periods, average annual Table A deliveries vary from 32% to 38% of the maximum Table A amount, while average annual deliveries over multiple-year wet periods range from 72 to 93% of the maximum Table A amount. Under future conditions, annual SWP Article 21 deliveries average 60 taf, ranging from 1 taf to 540 taf over the 82-year simulation period.

The *Draft State Water Project Delivery Reliability Report, 2009* is available for public review at, <http://baydeltaoffice.water.ca.gov>. The report is an update to the *State Water Project Delivery Reliability Report, 2007* issued as final in 2008. Public comments are due by March 4, 2010.

Comments can be sent to:

California Department of Water Resources
SWP Delivery Reliability Report- Attn: Cynthia Pierson
P.O. Box 942836
Sacramento, CA 94236-0001

or emailed to:

comments-on-2009drr@water.ca.gov

Table 1 Highlighted SWP Table A delivery percent exceedence values under Current Conditions

Exceedence	Annual SWP Table A Delivery (taf)		Change in delivery compared to 2007 report (taf)
	2007 SWP Delivery Reliability Report, Study 2007	Updated Studies (2009)	
25%	3218	2920	-298
50%	2976	2675	-301
75%	2168	2397	+229

Table 1 compares the probability estimates for current conditions from the 2007 report and the 2009 draft report. The comparison is also shown in Figure 1. The 2009 draft report estimates that for any given year in the future,

- There is a 25% chance that SWP deliveries will be at or above 2,920 taf.
- There is an equal chance (50%) that SWP deliveries will be above or below 2,675 taf. (Illustrated by the dotted lines.)
- There is 75% chance that SWP deliveries will be above 2,397 taf. Another way to state this is that there is a 25% chance that deliveries will be below this value.

Figure 1 SWP Table A delivery probability under Current Conditions

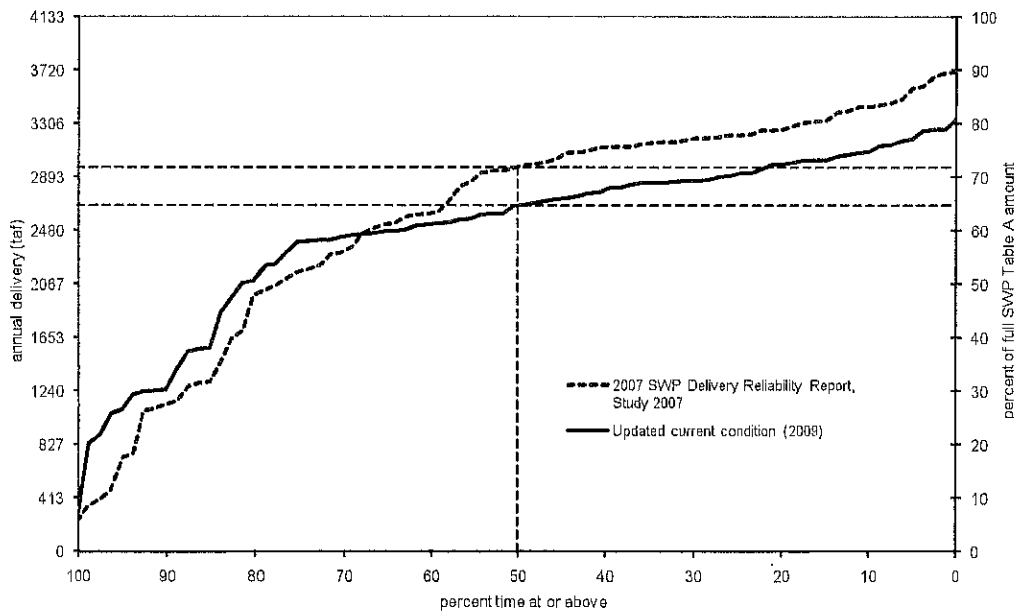


Figure 1 is a plot of all the annual estimates of SWP deliveries in ascending order, with the smallest value on the left and largest on the right.

Table 2 Highlighted SWP Table A delivery percent exceedence values under Future Conditions

Exceedence	Annual SWP Table A Delivery (taf)		Change in delivery in updated studies compared to 2007 report (taf)
	2007 SWP Delivery Reliability Report, Study 2027 ¹	Updated Studies (2029)	
25%	3687 – 3815	2915	-772 to -900
50%	2967 – 3205	2596	-371 to -609
75%	1860 – 2077	2137	+60 to +277

1/ Range in value reflects four modified scenarios of climate change.

Table 2 compares the probability estimates for future conditions from the 2007 report and the 2009 draft report. The 2009 draft report estimates that for any given year in the future,

- There is 1 chance in 4 (25% chance) that SWP deliveries will be at or above 2,915 taf.
- There is an equal chance (50% chance) that SWP deliveries will be above or below 2,596 taf. (Illustrated by the dotted lines in Figure 2.)
- There is 75% chance that SWP deliveries will be above 2,137 taf. Another way to state this is that there is a 25% chance that deliveries will be below this range.

Figure 2 SWP Delta Table A delivery probability under Future Conditions

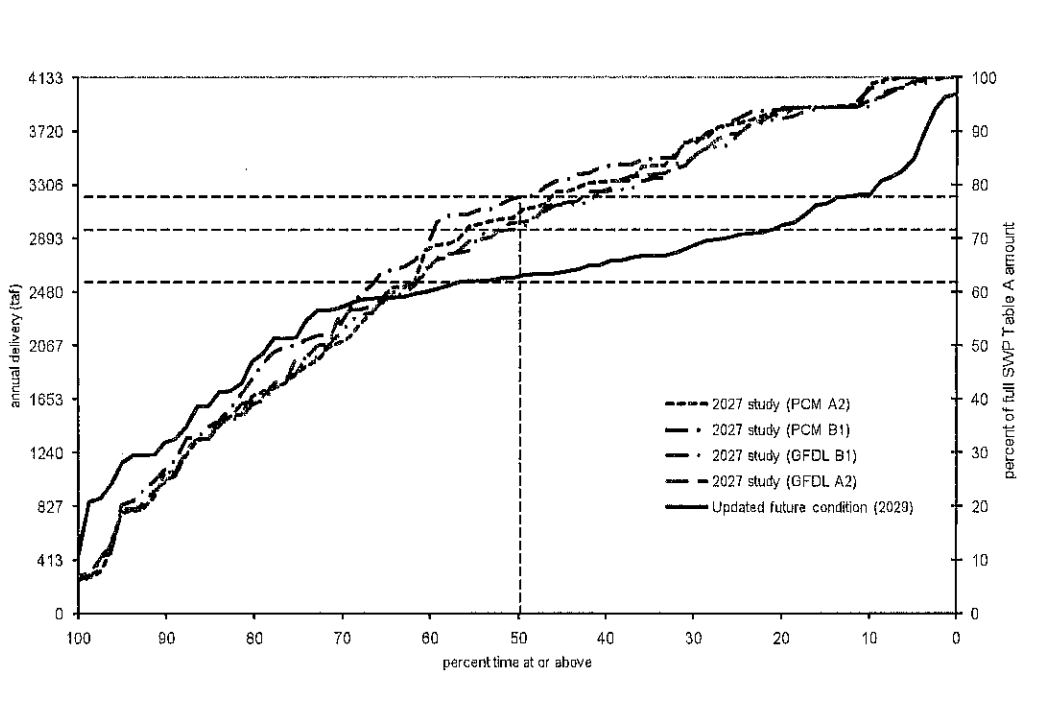


Figure 2 is the corresponding plot of all the annual delivery estimates for the future condition.