



**CHINO BASIN
DESALTER
AUTHORITY**

Technical Advisory Committee Meeting

March 10, 2020 • 1:30 p.m.

**Chino Basin Desalter Authority
2151 S. Haven Avenue, Suite 202
Ontario, CA 91761**

**TECHNICAL ADVISORY COMMITTEE
CHINO BASIN DESALTER AUTHORITY**
2151 S. Haven Avenue, Suite 202, Ontario, CA 91761

March 10, 2020 at 1:30 p.m.

NOTICE AND AGENDA

CALL TO ORDER

PUBLIC COMMENT

Members of the public may address the Committee on any item that is within the jurisdiction of the Committee; however, no action may be taken on any item not appearing on the agenda unless the action is otherwise authorized by Subdivision (b) of Section 54954.2 of the Government Code. Those persons wishing to address the Committee on any matter, whether or not it appears on the agenda, are requested to complete and submit to the Board Secretary a "Request to Speak" form which is available on the conference room table. Comments will be limited to five minutes per speaker.

ADDITIONS TO THE AGENDA

In accordance with Section 54954.2 of the Government Code (Brown Act), additions to the agenda require two-thirds vote of the legislative body, or, if less than two-thirds of the members are present, a unanimous vote of those members present, that there is a need to take immediate action and that the need for action came to the attention of the local agency subsequent to the agenda being posted.

- 1. MINUTES OF FEBRUARY 25, 2020 TECHNICAL ADVISORY COMMITTEE MEETING**
- 2. CHINO I OPERATIONS REPORT**
Report By: Ian Tillery/Inland Empire Utilities Agency
- 3. EMERGENCY REPAIRS TO 30-INCH FIBERGLASS REINFORCED RO INFLUENT PIPELINE AT CHINO I DESALTER**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 4. CHINO II OPERATIONS REPORT**
Report By: Aaron Anderson/Jurupa Community Services District
- 5. CHINO II CONCENTRATE REDUCTION FACILITY OPERATIONAL ISSUES**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 6. WATER DELIVERIES**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 7. LRP UPDATE – SUMMARY OF MWD CONTRIBUTIONS**
Report By: Jose Garcia, CDA Principal Accountant
- 8. SOUTH ARCHIBALD PLUME PROJECT: AMENDMENT NO. 3 TO GEOSCIENCE'S AGREEMENT FOR DESIGN OF TWO MONITORING WELLS**
Report By: Cindy Miller, South Archibald Plume Program Manager
- 9. SOUTH ARCHIBALD PLUME PROJECT: GOLDEN STATE AGREEMENT FOR LABOR COMPLIANCE SERVICES FOR SAP CONSTRUCTION PROJECTS**
Report By: Cindy Miller, South Archibald Plume Program Manager
- 10. PHASE 3 EXPANSION UPDATE**
Report By: Cindy Miller, South Archibald Plume Program Manager
- 11. SOUTH ARCHIBALD PLUME UPDATE**
Report By: Cindy Miller, South Archibald Plume Program Manager

CDA Technical Advisory Committee Meeting

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12. BOARD MEETING AGENDA ITEMS REVIEW

Report By: Thomas O'Neill, CDA General Manager/CEO

13. NEW BUSINESS/FUTURE TECHNICAL ADVISORY AGENDA ITEMS REVIEW


Report By: Thomas O'Neill, CDA General Manager/CEO

ADJOURN

Any person with a disability who requires accommodations in order to participate in this meeting or for package materials in an alternative format should telephone Executive Assistant C. at (909) 218-3730, at least 48 hours prior to the meeting in order to make a request for a disability-related modification or accommodation. Copies of records provided to Board Members which relate to any agenda item to be discussed in open session may be obtained from Chino Basin Desalter Authority at 2151 S. Haven Avenue, Suite 202, Ontario, CA 91761.

Declaration of Posting

I, Casey Costa, Executive Assistant to the Chino Basin Desalter Authority, hereby certify that a copy of this agenda has been posted at the Chino Basin Desalter Authority's main office, 2151 S. Haven Ave., Ontario, CA by March 6, 2020 at 1:30 p.m.



Casey Costa, Executive Assistant



Technical Advisory Committee Meeting

Agenda Item

No. 1

**CHINO BASIN DESALTER AUTHORITY
TECHNICAL ADVISORY COMMITTEE**

MINUTES

February 25, 2020

A meeting of the Chino Basin Desalter Authority Technical Advisory Committee was held on the above date at the 2151 S. Haven Avenue, Suite 202, Ontario, CA. CDA General Manager O'Neill called the meeting to order at 1:30 p.m.

Committee Members Present:

Dave Crosley, City of Chino
Mark Wiley, City of Chino Hills
Chris Bonadurer, City of Ontario
Ian Tillery, Inland Empire Utilities Agency
Ben Armel, Jurupa Community Services District
Aaron Anderson, Jurupa Community Services District (Alternate)
Paul Ruge, Western Municipal Water District

Others Present:

Thomas O'Neill, CDA General Manager/CEO
Michael Chung, CDA CFO/Treasurer
Todd Minten, CDA Operations Manager
Casey Costa, CDA Executive Assistant
Jose Garcia, CDA Principal Accountant
Cindy Miller, Hazen & Sawyer
Sam Gershon, Albert A. Webb Associates
Kevin Sage, Integrated Resources Management/SB County Airports

PUBLIC COMMENT - There were no public comments.

ADDITIONS TO THE AGENDA – There were no additions to the agenda.

AGENDA ITEMS

1. **MINUTES OF FEBRUARY 11, 2020 TECHNICAL ADVISORY COMMITTEE MEETING**

2. **CHINO I OPERATIONS REPORT**
Report By: Ian Tillery/Inland Empire Utilities Agency
 - Plant Production: 9.42 MGD
 - AC unit at I-14 repaired
 - Well I-3 was taken out of service – the shaft separated in two spots. Waiting on quote for repair work.
 - Soil samples were taken in preparation of GAC project
 - JCSD was onsite 2/12 to assist in finding leak inside the plant. Leak has been isolated
 - 2/18 – Tour conducted for Congresswoman Norma Torres and staff

- Brine line inspection was done due to an onsite leak into brine line
- Caustic tank leaking – cleaned out to perform an inspection to get repair estimate
- 2/18 – RO inlet manifold rupture occurred.

3. CHINO II OPERATIONS REPORT

Report By: Aaron Anderson/Jurupa Community Services District

- Plant Production: 17.78 MGD, now ramped up to 18 MGD
- Annual oil changes performed and belts replaced
- General Pump removed 1110 product water pump station 3 due to a serious motor vibration
- Adjusting flows to accommodate CRF startup on 10th.
- Secondary RO Pump 3 installed – needs to be tested.

4. CHINO II CONCENTRATE REDUCTION FACILITY OPERATIONAL ISSUES

Report By: Thomas O'Neill, CDA General Manager/CEO

Ben Armel reported that plant is ramped up to 18 MGD.

Current issues: Solids management in contact clarifier. A couple operational adjustments to be made to feed caustic soda and soda ash into pellet softener. Two pumps will be purchased. Heat tracing required for soda ash lines; in the meantime, space heaters are being used.

Design submitted to Pascal and Ludwig to repair conduit raceway in Chino II building.

5. EMERGENCY REPAIRS TO 30-INCH FIBERGLASS REINFORCED RO INFLUENT PIPELINE AT CHINO I DESALTER

Report By: Thomas O'Neill, CDA General Manager/CEO

RO inlet manifold rupture occurred. Purchase Order was issued to RAM Fiberglass, Hazen & Sawyer will provide new shop drawings with modifications to prevent a similar issue, and Pascal and Ludwig removed the old manifold and reinstall new. Expected completion time 4-5 weeks. Item will go to Board as Emergency Item.

6. 30" 1010 PRODUCT WATER PIPELINE VALVES

Report By: Thomas O'Neill, CDA General Manager/CEO

Three valves are non-operable, with one in off position. JCSD dug up and inspected a gearbox. We will need four new gearboxes to have one on-hand as a spare. JCDS will perform change-out with assistance from gear box representative.

7. LEASE OF SANTA ANA RIVER INTERCEPTOR CAPACITY

Report By: Thomas O'Neill, CDA General Manager/CEO

Board will be asked to approve extension up to six months to allow time for CRF to be dialed in.

8. SCHEDULE FOR FY20/21 BUDGET

Report By: Jose Garcia, CDA Principal Accountant

Principal Accountant reviewed the budget schedule.

9. POTENTIAL REFUNDING OF 2016A BONDS

Report By: Michael Chung, CDA CFO/Treasurer

Treasurer Chung reviewed the potential refunding of the bonds, which would not save any money, and would cost \$792,000. Staff will not recommend to refund bonds.

10. PURCHASE OF REVERSE OSMOSIS (RO) MEMBRANES ELEMENTS

Report By: Jose Garcia, CDA Principal Accountant

General Manager O'Neill reviewed purchase of RO membranes according to the replacement schedule with existing contract pricing.

11. SOUTH ARCHIBALD PLUME CLEANUP PROJECT: RAW WATER PIPELINE PROJECT PHASE II CDASAP-19-12

Report By: Cindy Miller, South Archibald Plume Program Manager

Program Manager Miller reviewed the recommendation to the Board to award the contract for Phase II SAP pipeline to Gwinco Construction, the lowest responsive and responsible bidder. Non-responsive bids were received, primarily due to not adhering to requirements of Prop 1 funding relating to DDE Good Faith effort.

12. SOUTH ARCHIBALD PLUME CLEANUP PROJECT: RAW WATER PIPELINE PROJECT PHASE III CDASAP-19-13

Cindy Miller, South Archibald Plume Program Manager

Program Manager Miller reviewed the recommendation to the Board to award the contract for Phase III SAP pipeline to Gwinco Construction, the lowest responsive and responsible bidder. Non-responsive bids were received, due to not adhering to requirements of Prop 1 funding relating to DDE Good Faith effort.

13. SOUTH ARCHIBALD PLUME CLEANUP PROJECT: CONSTRUCTION CONTRACT AWARD FOR DRILLING, CONSTRUCTION, DEVELOPMENT, AND TESTING OF CDA WELL II-12

Cindy Miller, South Archibald Plume Program Manager

Program Manager Miller reviewed the recommendation to the Board to award the contract for Drilling of Well II-12 to Southwest Pump and Drilling, the lowest responsive and responsible bidder. Zim/Bakersfield was the low bidder, deemed non-responsive due to failing to acknowledge an addendum that had a material effect on the cost. Also, the wrong bid schedule was used.

14. SOUTH ARCHIBALD PLUME PROJECT: AMENDMENT NO. 1 TO VALI COOPER/TRC'S AGREEMENT FOR PROGRAM MANAGEMENT SERVICES

Cindy Miller, South Archibald Plume Program Manager

Program Manager Miller reviewed recommendation to amend TRC agreement to cover additional costs related to revised implementation schedules, new facilities and utilities. Survey staking will be awarded to an independent consultant under a separate contract.

15. PHASE 3 EXPANSION PROJECT: AMENDMENT 4 TO ALBERT A WEBB ASSOCIATES AGREEMENT FOR CHINO II WELL FIELDS EQUIPPING DESIGN OF THREE WELLS

Cindy Miller, South Archibald Plume Program Manager

Program Manager Miller reviewed recommendation to approve amendment 4 to Webb agreement for additional design services so that Well II-12 building is constructed to resemble proposed residential homes to the north.

16. PHASE 3 EXPANSION PROJECT: CHANGE ORDER NO. 1 TO CONSTRUCTION CONTRACT CHINO II DESALTER CONCENTRATE REDUCTION FACILITY CHEMICAL STORAGE AND METERING SYSTEM MODIFICATIONS AND PRIMARY RO CONCENTRATE PIPING MODIFICATIONS, CDA EXP3-19-07

Cindy Miller, South Archibald Plume Program Manager

General Manager O'Neill reviewed the recommendation to approve a change order to Pascal & Ludwig contract for CRF modifications to add heat tracing to the soda ash pipelines, to prevent the soda ash from solidifying in pipelines at 70 degree Fahrenheit.

17. PHASE 3 EXPANSION UPDATE - PHASE 3 RECONCILIATION

Report By: Jose Garcia, CDA Principal Accountant

Derek Kawaii will research to determine what attributable to the project as a project cost or individual sponsor group agency's cost. There will also be additional costs due to current CRF issues and II-12 well drilling and equipping.

18. SOUTH ARCHIBALD PLUME UPDATE

Report By: Cindy Miller, South Archibald Plume Program Manager

- In Construction: Phase 1 Raw Water Pipeline almost complete.
- Phase 2 Raw Water Pipeline – March Board award
- Phase 3 Raw Water Pipeline – March Board award
- Drilling of Well II-12 – March Board award
- We are working on response to Regional Board regarding their request for additional monitoring.

19. BOARD MEETING AGENDA ITEMS REVIEW

Report By: Thomas O'Neill, CDA General Manager/CEO

General Manager O'Neill reviewed upcoming Board agenda items.

20. NEW BUSINESS/FUTURE TECHNICAL ADVISORY AGENDA ITEMS REVIEW

Report By: Thomas O'Neill, CDA General Manager/CEO

General Manager O'Neill reviewed upcoming TAC items.

There being no further business, the meeting was adjourned at 2:25 p.m.

Submitted by Casey Costa, CDA Executive Assistant



Technical Advisory Committee Meeting

Agenda Item

No. 2



**Chino I Desalter
Treatment Plant Operations**

Summary of Activities
February 21st to March 5th, 2020

Well Field

Well Name	VFD Speed	Original Design Rate (gpm)	Current Production Rate (gpm)	Percent of Production	Operational (Yes/No)	Production Rate (gpm)	Status (Idle/Run)	Current Operation (gpm)
****I-1	0%	600	0	0%	No	0	Idle	0
****I-2	0%	300	0	0%	No	0	Idle	0
****I-3	0%	600	0	0%	No	0	Idle	0
I-4	0%	300	0	0%	Yes	0	Idle	0
I-5	97%	1,200	1,228	13%	Yes	1,228	Run	1,228
*I-6	80%	1,200	362	4%	Yes	362	Run	362
*I-7	79%	1,200	343	4%	Yes	343	Run	343
I-8	93%	900	841	9%	Yes	841	Run	841
I-9	94%	1,200	856	9%	Yes	856	Run	856
I-10	94%	1,200	1,130	12%	Yes	1,130	Run	1,130
I-11	97%	1,200	1,143	12%	Yes	1,143	Run	1,143
**I-13	76%	2,000	844	9%	Yes	844	Run	844
I-14	83%	2,200	1,400	15%	Yes	1,400	Run	1,400
****I-15	0%	2,000	0	0%	No	0	Idle	0
I-16	100%	250	214	2%	Yes	214	Idle	0
I-17	0%	200	0	0%	No	0	Idle	0
I-20	100%	400	414	5%	Yes	414	Run	414
I-21	100%	400	424	5%	Yes	424	Run	424
gpm	Total	17,350	9,199	100%	100%	9,199	98%	8,985
MGD		24.98	13.25			13.25		12.94

Primary RO Treatment

Train	Recovery Rate	Production (gpm)	(MGD)
1	79.0%	1,270	1.83
2	79.0%	1,270	1.83
3	79.0%	1,270	1.83
4	0.0%	0	0.00
5	79.0%	1,270	1.83
		5,080	7.32

Ion Exchange Treatment

Train	(gpm)	(MGD)
1	434	0.62
2	434	0.62
3	434	0.62
4	434	0.62
	1,736	2.50

VOC Bypass

Production (gpm)	(MGD)
0	0.00

Brine Flow

Production (gpm)	(MGD)
1,132	1.63

Summary of Activities

- 2/22 completed sampling for GAC project
- 2/24 Train 4 2nd stage membranes install
- 2/28 salt tank 1 cleaned

Plant Efficiency

Flow in Vs. Flow Out	(gpm)	(MGD)
Wells	8,985	12.94
Brine	-1132	-1.63
	7,853	11.31

Plant Production

All Treatment Trains	(gpm)	(MGD)
Primary RO	5,080	7.32
Ion Exchange	1,736	2.50
Raw Bypass	0	0.00
	6,816	9.82

- * Air Problem
- ** Sand Problem
- ***Cooling Problem
- ****Out of Service



Technical Advisory Committee Meeting

Agenda Item

No. 4



Well Field

Well Name	VFD Speed	Original Design Rate (gpm)	Current Production Rate (gpm)	Percent of Production	Operational (Yes/No)	Production Rate (gpm)	Status (Idle/Run)	Current Operation (gpm)
II-1	100%	2,000	1,580	12%	Yes	1,580	Run	1,550
II-2	Fixed	2,000	1,652	12%	Yes	1,652	Run	1,630
II-3	Fixed	2,000	1,705	13%	Yes	1,705	Run	1,660
II-4	100%	2,000	1,680	12%	Yes	1,680	Run	1,640
II-6	100%	2,000	1,595	12%	Yes	1,595	Run	1,550
II-7	100%	1,200	920	7%	Yes	920	Idle	875
II-8	Fixed	1,500	1,200	9%	Yes	1,200	Run	1,090
II-9	Fixed	2,000	0	0%	Yes	0	Idle	1,650
II-10	100%	3,700	1,650	12%	Yes	1,650	Run	3,350
II-11	100%	3,300	1,600	12%	Yes	1,600	Run	0
II-12								
gpm	Total	21,700	13,582	100%	100%	13,582	110%	14,995
MGD		31.25	19.56			19.56		21.59

Primary RO Treatment

Train	Recovery Rate	Production (gpm)	(MGD)
1	82.5%	1,100	1.58
2	82.5%	1,200	1.73
3	82.5%	1,380	1.99
4	82.5%	2,250	3.24
5	82.5%	2,250	3.24
		8,180	11.78

Ion Exchange Treatment

NRV	(gpm)	(MGD)	NRV	(gpm)	(MGD)
1	770	1.11	5	825	1.19
2	800	1.15	6	0	0.00
3	815	1.17	7	0	0.00
4	0	0.00	8	819	1.18
			4,000	4.89	

Raw Bypass

Production (gpm)	(MGD)
1,650	2.38

Brine Flow

Production (gpm)	(MGD)
1,100	1.58

Secondary RO Treatment

Train	Recovery Rate	Production (gpm)	(MGD)
1	66.0%	0	0.00
2	66.0%	650	0.94
3	66.0%	0	0.00
		650	0.94

Plant Efficiency

	Flow in (gpm)	Flow Out (MGD)
Wells	14,995	21.59
Brine	-1100	-1.58
	13,895	20.01
		92.7%

Plant Production

All Treatment Trains	(gpm)	(MGD)
Primary RO	8,180	11.78
Ion Exchange	4,000	4.89
Raw Bypass	1,650	2.38
Secondary RO	650	0.94
	13,830	19.98

Summary of Activities

- Aquasystec providing SCADA support
- Daily Plant Rounds/Weekly Samples
- JCSD staff calibrated instruments
- CRF continues to run. Still optimizing calcium a
- Staff troubleshooting issues on PWPS 2. General Pump to pull motor
- Allocation changes over last 2 weeks, current flow at 20.5 MGD.
- Tested new bypass flow meter, current flow 750 gpm. 950 gpm @ CRF
- Continue adjusting pellet reactors to optimize calcium removal.
- Treatment/production staff troubleshooting issues with II-11
- Bag filters continue to be problematic at CRF. Further testing required.



Technical Advisory Committee Meeting

Agenda Item

No. 6

FY 2019/20 CDA (Chino I and Chino II) Water Deliveries (Draft)

Month	Chino	Chino Hills	JCSD	Norco	Ontario	SARWC	Western MWD	Total
Jul-19	480.000	463.500	742.610	83.000	439.000	100.000	0.000	2,308.110
Aug-19	335.989	278.585	912.589	67.211	414.011	100.000	235.000	2,343.385
Sep-19	322.206	276.394	616.150	65.094	673.864	85.000	44.190	2,082.898
Oct-19	360.082	302.785	835.272	72.742	613.500	87.264	256.993	2,528.638
Nov-19	291.205	237.800	837.025	63.643	665.231	84.000	238.652	2,417.556
Dec-19	287.439	227.224	966.031	70.704	602.681	84.845	249.869	2,488.793
Jan-20	349.444	284.309	853.643	83.360	608.097	85.821	252.743	2,517.417
Feb-20	304.525	252.866	768.230	62.528	546.251	76.193	224.389	2,234.982
Mar-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Apr-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun-20	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total FY 19/20 Deliveries	2,730.890	2,323.463	6,531.550	568.282	4,562.635	703.123	1,501.836	18,921.779
Contract Entitlement								
Annual (AF/YR)	5,000.0	4,200.0	11,733.0	1,000.0	8,533.0	1,200.0	3,534.0	35,200
Monthly (AF)	416.7	350.0	977.8	83.3	711.1	100.0	294.5	2,933.3
Delivered through February 2020 (AF)	2,730.9	2,323.5	6,531.6	568.3	4,562.6	703.1	1,501.8	18,921.8
	81.9%	83.0%	83.5%	85.2%	80.2%	87.9%	63.7%	80.6%

Notes:

1. Actual deliveries to date are shaded.

Water Deliveries Through

Feb-20

Submitted By:

Tom O'Neill, General Manager/CEO

Date

Approved By:

CDA Technical Advisory Committee

Approved On:



Technical Advisory Committee Meeting

Agenda Item

No. 7

CHINO BASIN DESALTER AUTHORITY
Summary of MWD Contributions
FY2018/19

	Actual Water Delivered	%	FY2018/19 Amount
JCSD	9,350.2	34.010%	\$ 918,915.65
Chino	5,018.2	18.250%	\$ 493,096.46
Chino Hills	4,269.6	15.530%	\$ 419,604.82
Ontario	6,642.2	24.160%	\$ 652,778.65
Norco	1,013.2	3.690%	\$ 99,700.05
SARWC	1,200.0	4.360%	\$ 117,802.77
Total	<u>27,493.4</u>	100.000%	<u>\$ 2,701,898.40</u>

Total MWD Contribution

	IEUA	WMWD	Contributions
FY2018/19	\$ 1,350,949.20	\$ 1,350,949.20	\$ 2,701,898.40 *
	<u>\$ 1,350,949.20</u>	<u>\$ 1,350,949.20</u>	<u>\$ 2,701,898.40</u>

* Calculation based on eligible 26,489.2 AF at \$102/AF

Funds dispersed to CDA Member Agencies March 4, 2020



Technical Advisory Committee Meeting

Agenda Item

No. 8



SUBJECT: SOUTH ARCHIBALD PLUME PROJECT: AMENDMENT NO. 3 TO GEOSCIENCE’S AGREEMENT FOR DESIGN OF TWO MONITORING WELLS

RECOMMENDATION:

Staff recommends that the Board:

1. Approve an amendment to the professional services agreement with Geoscience for geohydrologic design and inspection services in the not-to-exceed amount of \$58,109; and
2. Authorize the General Manager/CEO to finalize and execute the amendment, with subsequent authorizations up to a not-to-exceed total of \$202,000.

BACKGROUND:

The Board authorized an agreement for design of two monitoring wells in July 2018 with Geoscience in the amount of \$83,900, with an associated authorization limit of \$92,300 for the General Manager/CEO. Amendment No. 1 was authorized in the amount of \$32,831 in July 2019 to provide additional services to address specific requirements, including isolated zone testing, from the State Water Resources Control Board and Santa Ana Regional Water Quality Control Board (RWQCB). Amendment No. 2 was authorized in the amount of \$8,812 to provide an additional isolated aquifer zone test, also at the direction of the RWQCB. The total contract amount included these amendments was revised to \$125,543 with an authorization limit of \$128,405.

Geoscience’s original contract was for design of two monitoring wells in the vicinity of the proposed Extraction Well II-12. The first (completed) was drilled at the proposed extraction well site as due diligence to confirm the proposed location from a water quality and hydrogeological standpoint. The second monitoring well (proposed) will be located along the upstream aquifer gradient as required by the Division of Drinking Water to monitor upgradient water quality in the aquifer and identify constituent levels that may migrate toward the production well. At the time Geoscience’s contract was approved, the implementation and negotiation of the Proposition 1 Grant Agreement was ongoing, and the final grant agreement now requires construction of a third monitoring well downgradient of Well II-12. Additionally, the Santa Ana Regional Water Quality Control Board is requiring that this well be configured as a multi-completion nested monitoring well. Geoscience has prepared the attached amendment for additional scope related to the new well.

The total amount requested for the design and of the third monitoring well is \$58,109. The total contract amount will be \$183,652, with authorizations up to a not-to-exceed total of \$202,000.

This agenda item was reviewed/approved by the Technical Advisory Committee on March 10, 2020, and the Finance Committee on March 26, 2020.

Prepared by: Thomas O’Neill, CDA General Manager/CEO

Board of Directors: Approved Continued Denied

CDA GM/CEO Acknowledgement: _____ **Date:** _____

IMPACT ON BUDGET:

The project will be fully funded by grant funding already secured and deposited in CDA's account for the South Archibald Plume Project.

ATTACHMENTS: Geoscience Proposal

Prepared by: Thomas O'Neill, CDA General Manager/CEO

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Board of Directors: Approved Continued Denied

CDA GM/CEO Acknowledgement: _____ **Date:** _____



Technical Advisory Committee Meeting

Agenda Item

No. 9



SUBJECT: SOUTH ARCHIBALD PLUME PROJECT: GOLDEN STATE AGREEMENT FOR LABOR COMPLIANCE SERVICES FOR SAP CONSTRUCTION PROJECTS

RECOMMENDATION:

Staff recommends that the Board:

1. Approve a professional services agreement with Golden State for labor compliance services in the not-to-exceed amount of \$91,303; and
2. Authorize the General Manager/CEO to finalize and execute the amendment, with subsequent authorizations up to a not-to-exceed total of \$100,500.

BACKGROUND:

Grant funding provisions for the South Archibald Plume Project requires certified labor compliance documentation of all construction invoices.

Golden State will provide comprehensive labor compliance services for the Phase 2 Pipeline, Phase 3 Pipeline, Well Drilling, Well Equipping, and Decarbonator Modifications projects.

The total amount requested for labor compliance services for the five projects will be \$91,303, with authorizations up to a not-to-exceed total of \$100,500.

This agenda item was reviewed/approved by the Technical Advisory Committee on March 10, 2020, and the Finance Committee on March 26, 2020.

IMPACT ON BUDGET:

The project will be fully funded by grant funding already secured and deposited in CDA’s account for the South Archibald Plume Project.

ATTACHMENTS: Golden State Fee Letters

Prepared by: Thomas O’Neill, CDA General Manager/CEO

Board of Directors: Approved Continued Denied

CDA GM/CEO Acknowledgement: _____ **Date:** _____



Technical Advisory Committee Meeting

Agenda Item

No. 12

Chino Basin Desalter Authority
Board Meeting Agenda Items

April 2, 2020 Board Meeting (Regular)		TAC	Finance
Quarterly Financial Reports	Garcia/CDA		3/26/2020
Well II-1 Site Property Exchange	O'Neill/CDA	3/24/2020	3/26/2020
Chino I Emergency Purchase Order	O'Neill/CDA	3/10/2020	3/26/2020
CDA Reconciliation of Costs	Garcia/CDA	3/24/2020	3/26/2020
Distribution of Excess Reserves	Garcia/CDA	3/24/2020	3/26/2020
Reserve Policy Review	Chung/CDA	3/24/2020	3/26/2020
SAP: Amend 3 to Geoscience Agreement	Miller/H&S	3/10/2020	3/26/2020
SAP: Chino II Desalter Decarbonater Modifications	Miller/H&S	3/24/2020	3/26/2020
SAP: Survey Services	Miller/H&S	3/24/2020	3/26/2020
SAP: Golden State Labor Compliance	Miller/H&S	3/10/2020	
Phase 3 Expansion Reconciliation of Costs	Garcia/CDA	3/24/2020	3/26/2020
GM Contract (Closed Session Item)		-	-
GM Contract (Action Item)	Burns/SYCR	-	-
Quarterly Operations Report/Presentation	Minten/CDA	-	
Quarterly South Archibald Plume Report	Miller/H&S	-	

May 7, 2020 Board Meeting (Special)		TAC	Finance
Employee Manual	O'Neill/CDA	4/14/2020	4/23/2020

FUTURE	TAC	Finance	Board
O&M Agreement			
CRF Support Services (Carollo)			
Pipeline Exchange WMWD/Norco			



Technical Advisory Committee Meeting

Agenda Item

No. 13

Chino Basin Desalter Authority

TAC Meeting Agenda Items

March 24, 2020
Meeting Minutes
Chino I Operations Report
Chino II Operations Report
Chino II - CRF Issues
Well II-1 Site Property Exchange
Chino I Emergency Purchase Order
CDA Reconciliation of Costs
Distribution of Excess Reserves
Reserve Policy Review
SAP: Chino II Desalter Decarbonater Modifications
SAP: Survey Services
Phase 3 Expansion Reconciliation of Costs

April 14, 2020
Meeting Minutes
Chino I Operations Report
Chino II Operations Report
Chino II - CRF Issues
Employee Manual

FUTURE
O&M Agreement Update
CRF Support Services (Carollo)
Pipeline Exchange WMWD/Norco