



Technical Advisory Committee Meeting

January 10, 2023 • 1:30 p.m.

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**TECHNICAL ADVISORY COMMITTEE
CHINO BASIN DESALTER AUTHORITY**

3550 E. Philadelphia Street, Suite 170, Ontario, CA 91761

January 10, 2023

1:30 p.m.

According to the directives from the California Department of Public Health and Executive Order N-08-21 issued by Governor Gavin Newsom, members of the public are invited to participate via video or teleconference:

Zoom Meeting URL: <https://us02web.zoom.us/j/87457108844?pwd=NWxySjFiTXVERXg4NzAyc0xMcU9kUT09>

Or Join by Telephone: (669) 900-6833 Meeting ID: 874 5710 8844 Passcode: 567390

CALL TO ORDER

ROLL CALL

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 submit their request to comment to the Executive Assistant prior to the start of the meeting at (909) 218-3230 or ccosta@chinodesalter.org. Comments will be limited to three 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 DECEMBER 13, 2022 TECHNICAL ADVISORY COMMITTEE MEETING**
- 2. CHINO I OPERATIONS REPORT**
Report By: Chris Waggener/Inland Empire Utilities Agency
- 3. CHINO II / CRF OPERATIONS REPORT**
Report By: Matt Abel/Jurupa Community Services District
- 4. WATER DELIVERIES**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 5. COST OF LIVING ADJUSTMENT – CDA EMPLOYEES**
Report By: Michael Chung, CDA CFO/Treasurer
- 6. CONTRACT AWARD FOR CHINO I & CHINO II COATING REPAIRS PROJECT**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 7. CONSTRUCTION CONTRACT AWARD FOR CHINO I ION EXCHANGE MANWAYS PROJECT**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 8. EMERGENCY SERVICES TO PERFORM ELECTRICAL REPAIRS AT THE CHINO I DESALTER**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 9. CHINO I GAC UPDATE**
Report By: Hazen & Sawyer

CDA Technical Advisory Committee Meeting

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10. BOARD MEETING AGENDA ITEMS REVIEW

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

11. 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 3550 E. Philadelphia Street, Suite 170, 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 Chino Basin Desalter Authority's main office, 3550 E. Philadelphia Street, Suite 170, Ontario, CA 91761 by January 6, 2023 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

December 13, 2022 • 1:30 p.m.

A meeting of the Chino Basin Desalter Authority Technical Advisory Committee was held via audio/teleconference. CDA General Manager O’Neill called the meeting to order at 1:30 p.m.

Committee Members Present:

Mark Wiley, City of Chino Hills
Chris Bonadurer, City of Ontario
Matt Abel, Jurupa Community Services District
Daniel Cardenas, Jurupa Community Services District
Chris Waggener, Inland Empire Utilities Agency
Dave Crosley, City of Chino
John Lopez, Santa Ana River Water Company

Others Present:

Thomas O’Neill, CDA General Manager/CEO
Casey Costa, CDA Executive Assistant
Michael Chung, CDA CFO/Treasurer
Jose Gacia, CDA Principal Accountant
Natalie Avila, City of Chino
Chander Letulle, Jurupa Community Services District
Javier Arrequin, Western Municipal Water District
Albert Magallon, Western Municipal Water District
Derek Kawaii, Western Municipal Water District
Alex Rahimian-Pour, Hazen and Sawyer
Cindy Miller, Hazen and Sawyer
Bob Bowcock, 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 NOVEMBER 8, 2022 TECHNICAL ADVISORY COMMITTEE MEETING Minutes were approved as submitted.
2.	CHINO I OPERATIONS REPORT Report By: Chris Waggener/Inland Empire Utilities Agency <ul style="list-style-type: none">• Plant Production Average 11.33 MGD• 11/1- Chemsan onsite all week to service nitrate analyzers. Well I-1 pump and motor installation started.

	<ul style="list-style-type: none"> • 11/2- Chino Flow meter changed out. High pH CIP on Train 4 first stage started. Oil change on End Users boosters 1,2,3,6,7. • 11/3- High pH CIP finished on RO Train #4 1st stage. Well I-8 check valve replaced. • 11/9- Well I-1 pump/motor install complete, tested, ran to waste for 1 hour. Check valves replaced @ wells I-5 & 10 • 11/10- Inspections on vertical turbine well sites. I-11 check valve replaced. • 11/16- Plant paving started from VOC project. New wire pulled for front entrance gate due to spliced wire failing. • 11/17- Relocated water distiller to pull from permeate water for analyzer cleaning water per Chemscan / E&I techs suggestion. Leak from ground valve happened during paving. Plant public water line isolated until repair is made. • 11/18- Plant water line valve repaired. Paving continued. • 11/19- Repaired sight glass on brine saturator tank #2. • 11/25- Installed new tool cage in tool room. • 11/28- 2 membranes sent for autopsy report/cleaning study. Brine saturator tank 2 out of service for cleaning/repairs • 11/29- SCE installing data logger to monitor incoming harmonics. Brine saturator tank 2 cleaned, manifold repaired • 11/30- Brine saturator tank #2 placed back in service. SARI sample pump failed, faulty leg of power. New pump wired into 110V outlet until faulty leg of power is repaired. • 12/5- Cla-Val servicing waste valves at wells I-13, I-14 and I-15. • 12/6- Brine saturator tank #1 taken offline for cleaning and repairs.
<p>3.</p>	<p>CHINO II / CRF OPERATIONS REPORT Report By: Daniel Cardenas/Jurupa Community Services District</p> <p><u>Chino II</u></p> <ul style="list-style-type: none"> • Plant Production Average 20.2 MGD • 11/8/22 - Worked with In-Situ to repair and calibrate Chemscan units • 11/14/22 - Repaired leak on Threshold Inhibitor Injection Line • 11/17/22 - Completed Reverse Osmosis Train # 3 Clean in Place <p><u>CRF</u></p> <ul style="list-style-type: none"> • 11/08/22 - Worked with JK Welding for Incline Auger Repairs at Centrifuges • 11/21/22 - Completed Epoxy Coating Repairs on Gravity Thickener # 1 <p>General Manager O’Neill reported that Daniel Cardenas will be leaving JCSD and thanked him for all of his contributions, especially with the Concentrate Reduction Facility.</p>
<p>4.</p>	<p>WATER DELIVERIES Report By: Thomas O’Neill, CDA General Manager/CEO</p> <p>General Manager O’Neill reported water deliveries at 107.4% of allocations. There were no questions or comments.</p>

5.	<p>CONSTRUCTION CONTRACT AWARD FOR WELL II-1 IMPROVEMENTS PROJECT Report By: Thomas O’Neill, CDA General Manager/CEO</p> <p>General Manager O’Neill reviewed the recommendation to approve a contract award to Ferreira Coastal Construction Company for Well II-1 Improvement Project in the not-to-exceed amount of \$431,000, authorize the General Manager/CEO to execute the contract and approve authorized expenditures up to a not-to-exceed total of \$474,100, and approve the transfer of funds in the amount of \$240,702.00 to Well II-1 Improvements Project from Chino I End User Valve Replacement Project in the amount of \$85,702.00 and CII NRV Vessel #4 Repairs Project in the amount of \$155,000.00.</p> <p>He reviewed that in August 2020 the CDA Board approved a Land Exchange Agreement in which CDA acquired the land adjacent to Well II-1 that extends north from the current well property to the right-of-way at Merrill Avenue and Sumner Avenue. Proposed improvements at the site include extension of a block wall and paving to extend to the new property line, and new conduit for security system. The bid package was advertised on PlanetBids to five pre-qualified contractors, three bids were received, and Ferreira Coastal Construction Company was determined to be the lowest responsive bidder at \$431,000.00. This budget for this project is \$291,792; staff recommends the transfer of funds from the Chino I End User Valve Replacement Project, which was completed under budget, in the amount of \$85,702.00, and from the CII NRV Vessel #4 Repairs Project in th amount of \$155,000, as it was found after further investigation that repairs were no longer required. This would amend the budget for this project to \$532,494.00 There were no questions and no objections to forwarding this item to the Finance Committee.</p>
6.	<p>CHINO I GAC UPDATE Report By: Alex Rahimian-Pour, Hazen and Sawyer</p> <ul style="list-style-type: none"> • Construction is ongoing, there are some minor miscellaneous items to be completed. Contractor is working on startup and commissioning. • DDW Permit is expected to be issued end of February 2023.
7.	<p>BOARD MEETING AGENDA ITEMS REVIEW Report By: Thomas O’Neill, CDA General Manager/CEO General Manager O’Neill reviewed upcoming Board Items.</p>
8.	<p>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</p>

There being no further business, the meeting was adjourned at 1:40 p.m.

Submitted by Casey Costa, CDA Executive Assistant



Technical Advisory Committee Meeting

Agenda Item

No. 2



Chino I Desalter

Summary of Activities

December 7th, 2022 to January 2nd, 2023

Well Name	VFD Speed	Original Design (gpm)	Current Production (gpm)	Percent of Production	Operational	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%	No	0	Idle	0
I-5	73%	1,200	873	11%	Yes	873	Run	873
I-6	22%	350	65	1%	Yes	65	Run	65
*I-7	15%	1,200	38	0%	Yes	38	Run	38
I-8	87%	900	783	10%	Yes	783	Run	783
I-9	76%	1,200	697	9%	Yes	697	Run	697
I-10	86%	1,200	919	11%	Yes	919	Run	919
I-11	96%	1,200	1,081	13%	Yes	1,081	Run	1,081
*I-13	75%	2,000	804	10%	Yes	804	Run	804
I-14	48%	2,200	916	11%	Yes	916	Run	916
I-15	77%	2,000	1,404	17%	Yes	1,404	Run	1,404
I-16	93%	250	131	2%	Yes	131	Run	131
****I-17	0%	200	0	0%	No	0	Idle	0
I-20	97%	400	375	5%	Yes	375	Run	375
I-21	11%	400	7	0%	Yes	7	Run	7
gpm	Total	16,500	8,093	100%	100%	8,093	100%	8,093
MGD		23.76	11.65			11.65		11.65

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

Primary RO Treatment

Train	Recovery Rate	Production (gpm)	(MGD)
1	79.0%	1,032	1.49
2	79.0%	1,032	1.49
3	79.0%	1,032	1.49
4	79.0%	1,032	1.49
5	79.0%	1,032	1.49
		5,160	7.43

Ion Exchange Treatment

Train	(gpm)	(MGD)
1	352	0.51
2	352	0.51
3	352	0.51
4	352	0.51
	1,408	2.03

VOC Bypass

Production (gpm)	(MGD)
0	0.00

Brine Flow

Production (gpm)	(MGD)
1,389	2.00

Plant Efficiency

Flow in Vs. Flow Out (gpm) (MGD)		
Wells	8,093	11.65
Brine	-1389	-2.00
	6,704	9.65

Plant Production

Flow in Vs. Flow Out (gpm) (MGD)		
Primary RO	5,160	7.43
Ion Exchange	1,408	2.03
Raw Bystage	0	0.00
	6,568	9.46

Summary of Activities

12/7/22- Brine Saturator Tank #1 cleaning completed. New level sensor installed on Brine Saturator Tank #1. SCE onsite to remove data logger.

12/15/22- Leak surfaced at plant entrance, found to be sample line from plant influent piping. Repairs scheduled.

12/16/22- Repaired ball valve on liquid ammonium sulfate feed pump #1. Euclid gate complete, waiting on gate actuators and control wiring. Reduced flows began due to CRF annual maintenance shutdown and flow transfer of SARI capacity to Chino II. Parts delivered for RO trains #1 & #2 upgrades.

12/19/22- Meter calibrations of End User meters completed. Efficiency testing of RO Trains 1-5 motors. Caustic tank #2 repairs began.

12/20/22- Caustic tank #2 repairs completed. Tank will be placed back online on 12/21/22. Efficiency testing at wells I-16, I-

12/21/22- Caustic tank #2 placed back in service.

12/23/22- End cap replaced on RO Train #4 D3 vessel due to leak.

12/27/22- Multiple power surges from Edison, shut down end user deliveries momentarily, but no plant shutdowns.

12/29/22- Removed access manways of Brine waste tanks for IX system for inspections and cleanings.

12/31/22- Edison power blip tripped the plants main 12kV breaker, shutting down the plant. When main breaker was reset and closed, and arc flash occurred and the breaker tripped again. Contractors called to make repairs and Edison called to isolate power on line side. Repairs started.

1/1/23- Contractor continued work on repairs to 12kV bus bars and system. Plant placed back online and deliveries resumed at approximately 19:00.



Technical Advisory Committee Meeting

Agenda Item

No. 3



**Chino II Desalter
Treatment Plant Operations**

Summary of Activities

December 7, 2022 - January 6, 2023

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	88%	2,000	1,547	10%	Yes	1,500	Run	1,545
II-2	Fixed	2,000	1,522	10%	Yes	1,750	Run	1,317
II-3	Fixed	2,000	1,801	11%	Yes	2,000	Run	1,743
II-4	82%	2,000	1,576	10%	Yes	1,700	Run	1,596
II-6	87%	2,000	1,372	9%	Yes	1,500	Run	1,548
II-7	87%	1,200	791	5%	Yes	1,000	Run	0
II-8	Fixed	1,500	850	5%	Yes	1,200	Idle	545
II-9	Fixed	2,000	1,562	10%	Yes	1,750	Idle	0
II-10	90%	3,700	3,000	19%	Yes	3,200	Run	1,800
II-11	97%	3,300	0	0%	No	3,200	Idle	0
II-12	90%	2,000	2,000	12%	Yes	1,600	Run	1,800
gpm	Total	23,700	16,021	100%	127%	20,400	74%	11,894
MGD		34.13	23.07			29.38		17.13

Primary RO Treatment

Train	Recovery Rate	Production (gpm)	(MGD)
1	OFFLINE	0	0.00
2	OFFLINE	0	0.00
3	83.5%	1,390	2.00
4	83.5%	2,000	2.88
5	83.5%	1,895	2.73
		5,285	7.61

Ion Exchange Treatment

NRV			NRV		
	(gpm)	(MGD)		(gpm)	(MGD)
1	810	1.17	5	815	1.17
2	825	1.19	6	800	1.15
3	0	0.00	7	0	0.00
4	814	1.17	8	0	0.00
				4,064	5.85

Raw Bypass

Production	
(gpm)	(MGD)
1,750	2.52

Brine Flow

Production	
(gpm)	(MGD)
1,070	1.54

Secondary RO Treatment

Train	Recovery Rate	Production (gpm)	(MGD)
1	70.0%	0	0.00
2	70.0%	0	0.00
3	70.0%	0	0.00
		0	0.00

Plant Efficiency

Flow in Vs. Flow Out		
	(gpm)	(MGD)
Wells	11,894	17.13
Brine	-1070	-1.54
	10,824	15.59
	91.0%	

Plant Production

All Treatment Trains		
	(gpm)	(MGD)
Primary RO	5,285	7.61
Ion Exchange	4,064	5.85
Raw Bypass	1,750	2.52
Secondary RO	0	0.00
	11,099	16.0

Summary of Activities

- * Daily Plant Rounds/Weekly Samples
- * Weekly Calibrations
- * 12/12/22 Chino II - AR Team troubleshooting vibration issues on Air Stripper #2
- * 12/13/22 Chino II - Pump Check field meter testing at JCSD 1010 and WMWD turnouts
- * 12/16/22 Chino II - Plant adjusted to accommodate brine line capacity after CRF shutdown
- * 12/21/22 Chino II - Well II-8 Back online and running to plant after well rehab and pump redesign.
- * 12/16/22 Chino II - Plant adjusted to accommodate brine line capacity after CRF shutdown
- * 12/22/22 Chino II - Pump check onsite for II-8 and II-9a efficiency testing.

* 12/31/22 Chino II - Plant shutdown due to power failure. Staff responded and was able to restart facility.

* 12/16/22 CRF - Plant shutdwn for annual maintenance.



Technical Advisory Committee Meeting

Agenda Item

No. 4



Technical Advisory Committee Meeting

Agenda Item

No. 5



SUBJECT: COST OF LIVING ADJUSTMENT – CDA EMPLOYEES

RECOMMENDATION:

Staff recommends that the Board:

1. Approve a Cost-of-Living Adjustment (COLA) of 5% for all CDA employees, effective Pay Period 1 of 2023.
2. Consider the balance of 2022 COLA and the current Consumer Price Index at 7.3%, upon review of the 2023 COLA.

BACKGROUND:

The purpose of a Cost-of-Living Adjustment (COLA) is to keep employee salaries competitive to attract and retain qualified employees. As of 2017, the Board approved COLA’s commensurate with the percentage change to the Consumer Price Index (CPI), Riverside-San Bernardino-Ontario area issued by the Bureau of Labor Statistics (BLS) for the proceeding twelve (12) months ending in November.

For 2022 COLA, the board approved a 5% increase – a 3.1% lower than the CPI increase issued by the BLS from November 2020 to November 2021 of 8.1%. Staff recommended that the 3.1% shortfall for consideration of 2023 COLA. The CPI issued by BLS for November 2021 to November 2022 was 7.3%. For 2023 COLA, staff’s recommendation is to approve 5.0% increase in COLA for 2023.

This item was discussed at the 1/10/2023 TAC meeting and was reviewed by the Finance Committee on 1/26/2023.

IMPACT ON BUDGET:

The total increase of labor cost for calendar year 2023 is approximately \$26,561. The impact on the current adopted FY 2022/23 budget is \$13,280 (January 2023 to June 2023).

Attachment: Bureau of Labor Statistics Report

Prepared by: Michael Chung, CFO/Treasurer

Board of Directors: Approved Continued Denied

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



Economy at a Glance

Western Office PRINT

Riverside-San Bernardino-Ontario, CA

Riverside-San Bernardino-Ontario, CA

Data Series	Back Data	June 2022	July 2022	Aug 2022	Sept 2022	Oct 2022	Nov 2022
Labor Force Data							
Civilian Labor Force(1)		2,151.1	2,172.8	2,184.7	2,186.8	(P) 2,193.8	
Employment(1)		2,065.2	2,086.7	2,091.8	2,101.2	(P) 2,107.2	
Unemployment(1)		85.9	86.1	92.9	85.7	(P) 86.6	
Unemployment Rate(2)		4.0	4.0	4.3	3.9	(P) 3.9	
Nonfarm Wage and Salary Employment							
Total Nonfarm(3)		1,655.5	1,653.8	1,661.6	1,665.0	(P) 1,692.6	
12-month % change		6.1	5.5	5.6	5.8	(P) 5.4	
Mining and Logging(3)		1.4	1.4	1.3	1.3	(P) 1.4	
12-month % change		0.0	0.0	-7.1	-7.1	(P) 0.0	
Construction(3)		112.0	113.9	114.0	112.1	(P) 115.5	
12-month % change		1.5	2.1	2.5	2.5	(P) 3.4	
Manufacturing(3)		99.4	99.5	99.3	99.0	(P) 99.9	
12-month % change		4.5	4.5	4.4	4.9	(P) 4.6	
Trade, Transportation, and Utilities(3)		467.2	469.6	470.4	471.3	(P) 483.5	
12-month % change		8.4	7.9	7.3	6.9	(P) 6.3	
Information(3)		10.0	10.1	10.0	9.9	(P) 10.0	
12-month % change		1.0	1.0	0.0	1.0	(P) 1.0	
Financial Activities(3)		46.7	47.3	46.4	45.7	(P) 47.1	
12-month % change		5.2	4.0	2.2	3.2	(P) 4.7	
Professional and Business Services(3)		174.9	176.6	179.3	177.8	(P) 180.8	
12-month % change		5.5	3.6	5.7	6.0	(P) 6.9	
Education and Health Services(3)		262.3	264.0	265.7	267.4	(P) 269.1	
12-month % change		4.1	4.1	4.2	5.6	(P) 5.4	
Leisure and Hospitality(3)		179.7	182.0	183.7	182.5	(P) 182.2	
12-month % change		10.7	10.0	11.0	10.7	(P) 9.3	
Other Services(3)		44.5	44.7	43.7	45.3	(P) 45.6	
12-month % change		1.4	0.2	-2.5	2.5	(P) 3.4	
Government(3)		257.4	244.7	247.8	252.7	(P) 257.5	
12-month % change		5.4	4.5	4.5	3.9	(P) 1.9	
Consumer Price Index: Riverside-San Bernardino-Ontario, CA							
CPI-U, All Items(4)			125.262		125.272		125.983
CPI-U, All items, 12-month % change(4)			9.2		8.4		7.5
CPI-W, All items(5)			126.084		125.762		126.453
CPI-W, All Items, 12-month % change(5)			9.5		8.2		7.3

Footnotes

- (1) Number of persons, in thousands, not seasonally adjusted.
- (2) In percent, not seasonally adjusted.
- (3) Number of jobs, in thousands, not seasonally adjusted. See [About the data](#).
- (4) All Urban Consumers, base: December 2017=100, not seasonally adjusted.
- (5) Urban Wage Earners and Clerical Workers, base: December 2017=100, not seasonally adjusted.
- (P) Preliminary

Data extracted on: December 14, 2022

Source: U.S. Bureau of Labor Statistics

Note: More data series, including additional geographic areas, are available through the "Databases & Tables" tab at the top of this page.



Technical Advisory Committee Meeting

Agenda Item

No. 6



SUBJECT: CONTRACT AWARD FOR CHINO I & CHINO II COATING REPAIRS PROJECT

RECOMMENDATION:

Staff recommends that the Board:

1. Approve the contract award to the lowest responsive and responsible bidder J. Colon Coatings, Inc. for the Chino I & Chino II Coating Repairs Project in the not-to-exceed amount of \$104,400.
2. Authorize the General Manager/CEO to execute the contract and approve authorized expenditures up to a not-to-exceed total of \$120,000.

BACKGROUND:

This contract provides for the coating repairs to the Chino I ion exchange vessels following the addition of the new manways and the epoxy coating of the chlorine tank bases at both the Chino I and Chino II desalters prior to installing the new chlorine tanks.

The bid package was advertised to 30 contractors, and two bids were received on January 3, 2023, as follows:

Firm	Total Bid
J. Colon Coatings, Inc.	\$104,400
Ferreira Coastal Construction	\$297,000

Analysis of the apparent low bid from J. Colon Coatings, Inc. was performed and compared with the other bid received, which verified that their bid package was responsive and in reasonable conformance with the engineer’s estimate of \$100,000. The attached bid evaluation summary details the quantitative analysis of the bids. Based upon these findings, it was concluded that the lowest responsive bid is from J. Colon Coatings, Inc.

This recommendation was reviewed by the TAC on January 10, 2023, and the Finance Committee on January 26, 2023.

IMPACT ON BUDGET:

The FY 2022/23 Capital Budget includes sufficient funding for the Chino I & Chino II Coating Repairs Project.

ATTACHMENT:

- 1) Bid Tabulation Spreadsheet

CDA Chino I & Chino II Coating Repairs Project
 Bid Summary January 3, 2023

Item No.	Description	Qty	Unit	J. Colon Coating, Inc.		F. D. Thomas, Inc.	
				Unit Price	Total Amount	Unit Price	Total Amount
101	Mobilization/Demobilization, Bonding, Insurance and Cleanup - Coating/Painting of Chino I IX Vessels	4	EA	\$ 1,500.00	\$ 6,000.00	\$ 1,950.00	\$ 7,800.00
102	Chino I IX Vessels Interior Coating Repair - 4 Vessels	100	SF	\$ 310.00	\$ 31,000.00	\$ 5,600.00	\$ 56,000.00
103	Chino I IX Vessels Exterior Painting Repair - 4 Vessels	100	SF	\$ 310.00	\$ 31,000.00	\$ 3,200.00	\$ 32,000.00
104	Mobilization/Demobilization, Bonding, Insurance and Cleanup - Coating of Chino I Chlorine Tank Pads	1	LS	\$ 1,500.00	\$ 1,500.00	\$ 1,600.00	\$ 1,600.00
105	Chino I Chlorine Tank Pads Recoating	1	LS	\$ 16,700.00	\$ 16,700.00	\$ 14,570.00	\$ 14,570.00
106	Mobilization/Demobilization, Bonding, Insurance and Cleanup - Coating of Chino II Chlorine Tank Pads	1	LS	\$ 1,500.00	\$ 1,500.00	\$ 1,070.00	\$ 1,070.00
107	Chino II Chlorine Tank Pads Recoating	1	LS	\$ 16,700.00	\$ 16,700.00	\$ 9,700.00	\$ 9,700.00
Total Bid Price					\$ 104,400.00		\$ 122,740.00



Technical Advisory Committee Meeting

Agenda Item

No. 7



SUBJECT: CONSTRUCTION CONTRACT AWARD FOR CHINO I ION EXCHANGE MANWAYS PROJECT

RECOMMENDATION:

Staff recommends that the Board:

1. Approve the contract award to the lowest responsive and responsible bidder T. E. Roberts, Inc. for the Construction of the Chino I Ion Exchange Manways Project in the not-to-exceed amount of \$106,725.
2. Authorize the General Manager/CEO to execute the contract and approve authorized expenditures up to a not-to-exceed total of \$120,000.

BACKGROUND:

This contract provides for the construction improvements to add access manways to the four ion exchange vessels at the Chino I desalter as part of the CDA Capital Improvements Program.

The bid package was advertised to four pre-qualified contractors, and two bids were received on January 3, 2023, as follows:

Firm	Total Bid
TE Roberts, Inc.	\$106,725
Ferreira Coastal Construction	\$297,000

Analysis of the apparent low bid from T. E. Roberts, Inc. was performed and compared with the other bids received, which verified that their bid package was responsive and in reasonable conformance with the engineer’s estimate of \$200,000. The attached bid evaluation summary details the quantitative analysis of the bids. Based upon these findings, it was concluded that the lowest responsive bid is from T. E Roberts, Inc.

This recommendation was reviewed by the TAC on January 10, 2023, and the Finance Committee on January 26, 2023.

IMPACT ON BUDGET:

The FY 2022/23 Capital Budget includes sufficient funding for the Construction of the Chino I Ion Exchange Manways Project.

ATTACHMENT:

- 1) Bid Tabulation Spreadsheet

CDA Chino I Ion Exchange Manways Project
 Bid Summary January 3, 2023

Item No.	Description	Qty	Unit	T. E. Roberts Amount	Ferreira Amount
101	Mobilization/Demobilization, Bonding, Insurance and Cleanup - Chino I Desalter IX Vessels (2)	1	LS	\$ 7,952.00	\$ 29,000.00
102	IX Vessels Horizontal Manways - Chino I Desalter IX Vessels	4	EA	\$ 74,616.00	\$ 263,000.00
103	Start-up and Performance Testing - Chino I Desalter IX Vessels	0	LS	\$ 24,157.00	\$ 5,000.00
Total Bid Price				\$ 106,725.00	\$ 297,000.00



Technical Advisory Committee Meeting

Agenda Item

No. 8



At the January 5, 2023 Chino Basin Desalter Authority Board Meeting, staff recommended and the Board approved the addition of the following agenda item:

SUBJECT: EMERGENCY SERVICES TO PERFORM ELECTRICAL REPAIRS AT THE CHINO I DESALTER

RECOMMENDATION:

Staff recommends that the Board:

1. The Board of Directors receive a report on recent failure; and
2. Ratification by the CDA Board of Directors for the non-competitive procurement of emergency services to perform electrical repairs.

BACKGROUND:

On December 31, 2022, at approximately 12:57 AM, Chino I Desalter experienced a power blip/surge which caused the plant to shut down. IEUA staff immediately investigated the cause of the shutdown and noticed that main breaker had tripped. The operators called in the Electrical & Instrumentation (E&I) technician to reset the main breaker. When the E&I tech attempted to reset the breaker, an arc flash was heard in the electrical panel and the breaker remained tripped. Access into the panel could not be achieved until Edison shut down the power which occurred at 3:00 PM. Upon inspection by the E&I tech, it was confirmed that an arc flash had occurred and there was damage to busing and switchgear.

Faith Electric arrived on site to make repairs at 5:20 PM and after reviewing the damage, they indicated that temporary repairs could be made now to get the plant in service, but several items would still need to be replaced. Faith Electric completed the temporary repairs and power was restored to the plant on January 1, 2023, at 1:42 PM. Permanent repairs will be performed when replacement parts are secured by Faith Electric.

IMPACT ON BUDGET:

Costs for the repairs are currently unknown.

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. 10

Chino Basin Desalter Authority
Board Meeting Agenda Items

February 2, 2023 Board Meeting (Special)		TAC	Finance
Resolution Proclaiming a Local Emergency Authorizing Remote Teleconference Meetings	O'Neill/CDA	-	-
Cost of Living Adjustment for CDA Employees	Chung/CDA	1/10/2022	1/26/2022
Chino II Desalter Concentrate Reduction Facility Cathodic Protection System	O'Neill/CDA	1/10/2022	1/26/2022
Chino I IX Manways Project	O'Neill/CDA	1/10/2022	1/26/2022
Chino I & II Coating Repairs Project	O'Neill/CDA	1/10/2022	1/26/2022
CII CRF Cathodic Protection Project	O'Neill/CDA	1/24/2023	1/26/2022
Update on Emergency CI Electrical Repair	O'Neill/CDA	1/24/2023	1/26/2022

February 2, 2023 Board Meeting (Special)		TAC	Finance
Resolution Proclaiming a Local Emergency Authorizing Remote Teleconference Meetings	O'Neill/CDA	-	-



Technical Advisory Committee Meeting

Agenda Item

No. 11

Chino Basin Desalter Authority

TAC Meeting Agenda Items

January 24, 2023
Meeting Minutes
Chino I Operations Report
Chino II / CRF Operations Report
CII CRF Cathodic Protection Project
Update on Emergency CI Electrical Repair
Chino I GAC Update

February 14, 2023
Meeting Minutes
Chino I Operations Report
Chino II/CRF Operations Report
Water Deliveries