



Technical Advisory Committee Meeting

April 11, 2023 • 1:30 p.m.

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

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**TECHNICAL ADVISORY COMMITTEE
CHINO BASIN DESALTER AUTHORITY**

April 11, 2023 at 1:30 p.m.

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

OTHER TELECONFERENCE LOCATIONS LISTED BELOW

Public access is also available via remote teleconference:

<https://us02web.zoom.us/j/87457108844?pwd=NWxySjFitXVERXg4NzAyc0xMcU9kUT09>

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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) 218-3730 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 MARCH 28, 2023 TECHNICAL ADVISORY COMMITTEE MEETING**
Report By: Casey Costa, CDA Executive Assistant
- 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 DELIVERY REPORT**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 5. AMENDMENT NO 1 CHINO II DESALTER PELLET SLURRY PUMPS AND ASSOCIATED PIPING PROJECT DESIGN SERVICES CONTRACT**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 6. DRAFT CIP BUDGET 2023/24**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 7. CHINO I GAC UPDATE**
Report By: Hazen & Sawyer
- 8. LEAD AND COPPER RULE REVISIONS – PREPARING FOR SUCCESSFUL COMPLIANCE**
Presentation By: Hazen & Sawyer
- 9. BOARD MEETING AGENDA ITEMS REVIEW**
Report By: Thomas O'Neill, CDA General Manager/CEO
- 10. NEW BUSINESS/FUTURE TECHNICAL ADVISORY AGENDA ITEMS REVIEW**
Report By: Thomas O'Neill, CDA General Manager/CEO

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CDA Technical Advisory Committee Meeting

April 11, 2023

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One or more committee members will participate from the meeting location(s) listed below:
14000 City Center Drive, Public Works Department, Chino Hills, CA 91709

Each teleconference location is accessible to the public and the public will be given the opportunity to address the committee at each teleconference location. Public comments will be taken on the agenda items at the time the specified item is raised.

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 Casey Costa 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 committee 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 each teleconference location listed above and at Chino Basin Desalter Authority's main office, 3550 E. Philadelphia Street, Suite 170, Ontario, CA 91761 by April 8, 2023 at 5:00 p.m.



Casey Costa, Executive Assistant



Technical Advisory Committee Meeting

Agenda Item

No. 1

**CHINO BASIN DESALTER AUTHORITY
TECHNICAL ADVISORY COMMITTEE**

MINUTES

March 28, 2023 at 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:

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

Others Present:

Thomas O'Neill, CDA General Manager/CEO
Casey Costa, CDA Executive Assistant
Michael Chung, CDA CFO/Treasurer
Jose Gacia, CDA Principal Accountant
Pete Vicario, City of Chino
Chander Letulle, Jurupa Community Services District
Albert Magallon, Western Municipal Water District
Alex Rahimian-Pour, Hazen and Sawyer
Bob Bowcock, Integrated Resources Management

PUBLIC COMMENT - There were no public comments.

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

AGENDA ITEMS

1.	MINUTES OF MARCH 14, 2023 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 9.46 MGD• 3/9- Plant Shutdown from 07:00-14:00 for South-GAC acid pump suction line tie-in. High pH CIP on RO Train 4, RO Train #3 offline - dump valve actuator faulted.• 3/11- Flash mix sample pump discharge line found leaking, line was repaired.• 3/13- RO Train #3 dump valve actuator replaced and shorted when powered on, which shut down power to the RO PLC, resulting in a plant shutdown from 14:40 to 15:30. Disinfection of South GAC started.

	<ul style="list-style-type: none"> • 3/14- Allocations lowered due to rain and end user requests. Low pH CIP started on RO Train #4, both stages. • 3/15-RO Train 4 put online, high pH CIP started on RO Train 1, both stages. Disinfection of county wells influent line started. • 3/16- Chlorine pumps #4 & #5 tubing replaced due to burst on pump #4. Train #1 low pH started, both stages. • 3/17- Bac'T samples taken on GAC systems and county well influent line. Train #1 placed online and wells influent line started. Train #3 offline while perm. soaking. • 3/18- Bac'T samples taken on GAC systems and county well influent line. High pH CIP on RO train #3 started, both stages. • 3/19- Low pH CIP on RO train #3 started, both stages. • 3/20- RO Train #3 placed back online, End users back to full allocations. • 3/21- South GAC Train 3 vessels loaded with GAC.
<p>3.</p>	<p>CHINO II / CRF OPERATIONS REPORT Report By: Matthew Abel/Jurupa Community Services District</p> <p><u>Chino II</u></p> <ul style="list-style-type: none"> • Plant Production 20.3 MGD • 3/13/23 - Well 11 online to the plant • 3/15/23 - Well 10 offline for rehab • 3/15/23 - Train 5 stage 1 and 2 membrane change out • 3/16/23 - Continued Cartridge Filter Change-Out. Quarterly Maintenance. • 3/20/23 - Pump Check onsite at Well 11 <p><u>CRF</u></p> <ul style="list-style-type: none"> • 3/16/23 - Decrease plant flow from 1275 gpm to 950 gpm due to water quality issues • 3/19/23 - Plant shut down, back on within the hour. Working with Mark Leudtke to investigate plant shut down cause. • 3/21/23 - Increase plant flow from 950 gpm to 1300 gpm
<p>4.</p>	<p>AWARD OF CONSTRUCTION CONTRACT TO VICON ENTERPRISE FOR CHINO II DESALTER CONCENTRATE REDUCTION FACILITY PELLET BLOWDOWN PUMPS PROJECT Report By: Thomas O’Neill, CDA General Manager/CEO</p> <p>General Manager O’Neill recommended the award of construction contract for Chino II Desalter Concentrate Reduction Facility Pellet Blowdown Pumps Project for the construction of improvements to manage the movement of pellets through the four pellet reactors located at the Concentrate Reduction Facility. The improvements consist of the installation of two pellet blowdown pumps, piping, valves and associated electrical and instrumentation components. The bid package was advertised on PlanetBids on February 9, 2023. Notifications were sent to 227 vendors; 33 potential bidders registered to download bid documents. Three contractors attended the mandatory pre-bid meeting on February 22, 2023, and three bids were received on March 22, 2023: Vicon Enterprise Inc. \$360,000, Metro Builders & Engineers Group Ltd. \$560,375, and TE Roberts, Inc.</p>

	<p>\$596,758. Analysis of the apparent low bid from Vicon Enterprise, Inc. was performed and verified that their bid package was responsive and in reasonable conformance with the engineer’s estimate of \$484,000. Based upon these findings, it was concluded that the lowest responsive bid is from Vicon Enterprise.</p>
5.	<p>RECONCILIATION OF ALLOCATION OF COSTS FOR FISCAL YEAR 2021/22 Report By: Michael Chung, CDA CFO/Treasurer</p> <p>Treasurer Chung reviewed the recommendations to approve the reconciliation of the allocation of costs for fiscal year 2021/22, approve the analysis of reserve balance at June 30, 2022, approve the refund of \$412,615 of the surplus to member agencies, and allocate \$2,000,000 of the surplus to the Capital Expenditure Reserve for identified projects.</p> <p>On April 7, 2022, the CDA Board of Directors approved the reconciliation of costs for fiscal year 2020/21, which resulted in surplus of \$3,173,907. The Board approved the application of \$2,000,000 of the surplus to be applied to the new reserve fund for Capital Construction Expenditures, leaving a balance of \$1,173,907.</p> <p>In accordance with the JPA Agreement, CDA will provide each member agency the option to request an immediate refund of the excess revenue or have these funds applied in quarterly amounts to their FY23/24 O&M Assessments.</p>
6.	<p>LRP ALLOCATION Report By: Thomas O’Neill, CDA General Manager/CEO</p> <p>The MWD’s LRP subsidy for water production in FY21/22 was \$3,551,670.60. He reviewed MWD’s allocation owed to each member agency. CDA will provide each member agency the option to request an immediate refund of the LRP Contribution or have these funds applied in quarterly amounts to their FY23/24 O&M Assessments.</p>
7.	<p>CHINO I GAC UPDATE Report By: Alex Rahimian-Pour, Hazen and Sawyer</p> <p>Disinfection of system has been completed. Carbon media has been loaded. Instruments are being calibrated and set points are being adjusted.</p>
8.	<p>BOARD MEETING AGENDA ITEMS REVIEW Report By: Thomas O’Neill, CDA General Manager/CEO</p> <p>General Manager O’Neill reviewed upcoming Board Items.</p>
9.	<p>NEW BUSINESS/FUTURE TECHNICAL ADVISORY AGENDA ITEMS REVIEW Report By: Thomas O’Neill, CDA General Manager/CEO</p> <p>General Manager O’Neill reviewed upcoming TAC Items. He reviewed California Government Code Section 54952 which defines what constitutes a legislative body subject to the Brown Act.</p>

There being no further business, the meeting was adjourned at 2:15 p.m.

Submitted by Casey Costa, CDA Executive Assistant



Technical Advisory Committee Meeting

Agenda Item

No. 2



Chino I Desalter

Summary of Activities

March 22nd, 2023 to March 28th, 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	98%	1,200	1,173	13%	Yes	1,173	Run	1,173
I-6	0%	350	0	0%	Yes	0	Run	0
*I-7	0%	1,200	0	0%	Yes	0	Run	0
I-8	95%	900	955	10%	Yes	955	Run	955
I-9	68%	1,200	771	8%	Yes	771	Run	771
I-10	96%	1,200	1,174	13%	Yes	1,174	Run	1,174
I-11	0%	1,200	0	0%	Yes	0	Run	0
*I-13	78%	2,000	890	10%	Yes	890	Run	890
I-14	86%	2,200	1,937	21%	Yes	1,937	Run	1,937
I-15	85%	2,000	1,639	18%	Yes	1,639	Run	1,639
I-16	100%	250	162	2%	Yes	162	Run	162
I-17	0%	200	0	0%	No	0	Idle	0
I-18	0%	200	0	0%	No	0	Idle	0
I-20	100%	400	395	4%	Yes	395	Run	395
I-21	71%	400	146	2%	Yes	146	Run	146
gpm	Total	16,700	9,242	100%	100%	9,242	100%	9,242
MGD		24.05	13.31			13.31		13.31

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

Primary RO Treatment

Train	Recovery Rate	Production (gpm)	(MGD)
1	79.0%	1,162	1.67
2	79.0%	1,162	1.67
3	79.0%	1,162	1.67
4	79.0%	1,162	1.67
5	79.0%	1,162	1.67
		5,810	8.37

Ion Exchange Treatment

Train	(gpm)	(MGD)
1	396	0.57
2	396	0.57
3	396	0.57
4	396	0.57
	1,584	2.28

North GAC

Production (gpm)	(MGD)
0	0.00

Brine Flow

Production (gpm)	(MGD)
1,632	2.35

Plant Efficiency

	Flow in (gpm)	Flow Out (MGD)
Wells	9,242	13.31
Brine	-1632	-2.35
	7,610	10.96

Plant Production

	Flow in (gpm)	Flow Out (MGD)
Primary RO	5,810	8.37
Ion Exchange	1,584	2.28
N-GAC	0	0.00
	7,394	10.65

Summary of Activities

3/22- North GAC Acid tank filled for first time. North GAC Vessels loaded with GAC. High pH CIP on RO Train #5 started.

3/23- Low pH CIP started on RO Train #5. Chlorine generator acid cleaning started and completed. North GAC backwashing and bac't samples collected.

3/24- Low pH CIP on RO train #5 completed, RO train #5 placed back online and End user flows restored to allocations.

3/27- Cell booster and new antenna installed for backup alarm system RACO.

3/28- Shelter erected over 12kV switchgear for plant shutdown and maintenance scheduled for 3/29-3/30.



Technical Advisory Committee Meeting

Agenda Item

No. 3



Chino II Desalter Treatment Plant Operations

Summary of Activities

March 24, 2023 - April 5, 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	# 0 0 0 0	Run	### 0 0 0 0
II-2	Fixed	2,000	1,522	10%	Yes	# 0 0 0 0	Run	### 0 0 0 0
II-3	Fixed	2,000	1,801	12%	Yes	# 0 0 0 0	Run	### 0 0 0 0
II-4	82%	2,000	1,576	10%	Yes	# 0 0 0 0	Run	### 0 0 0 0
II-6	87%	2,000	1,372	9%	Yes	# 0 0 0 0	Run	### 0 0 0 0
II-7	87%	1,200	791	5%	Yes	# 0 0 0 0	Run	995 0 0 0 0
II-8	Fixed	1,500	850	5%	Yes	# 0 0 0 0	Run	417
II-9	Fixed	2,000	1,562	10%	Yes	# 0 0 0 0	Idle	0 0 0 0 0
II-10	90%	3,700	3,000	19%	No	# 0 0 0 0	Idle	0 0 0 0 0
II-11	97%	3,300	0	0%	Yes	# 0 0 0 0	Run	### 0 0 0 0
II-12	80%	2,000	1,600	10%	Yes	# 0 0 0 0	Run	1,869
gpm	Total	23,700	15,621	100%	131%	20,400	94%	14,678
MGD		34.13	22.49			29.38		21.14

Primary RO Treatment

Train	Recovery Rate	Production (gpm)	(MGD)
1	83.5%	1,390	2.00
2	83.5%	1,390	2.00
3	83.5%	1,390	2.00
4	83.5%	2,250	3.24
5	83.5%	1,950	2.81
		8,370	12.05

Ion Exchange Treatment

NRV			NRV		
	(gpm)	(MGD)		(gpm)	(MGD)
1	525	0.76	5	0	0.00
2	515	0.74	6	501	0.72
3	509	0.73	7	0	0.00
4	498	0.72	8	0	0.00
				2,548	3.67

Raw Bypass

Production	
(gpm)	(MGD)
2,315	3.33

Brine Flow

Production	
(gpm)	(MGD)
685	0.99

Secondary RO Treatment

Train	Recovery Rate	Production (gpm)	(MGD)
1	70.0%	435	0.63
2	70.0%	435	0.63
3	70.0%	0	0.00
		870	1.25

Plant Efficiency

Flow in Vs. Flow Out		
	(gpm)	(MGD)
Wells	14,678	21.14
Brine	-685	-0.99
	13,993	20.15
	95.3%	

Plant Production

All Treatment Trains		
	(gpm)	(MGD)
Primary RO	8,370	12.05
Ion Exchange	2,548	3.67
Raw Bypass	2,315	3.33
Secondary RO	870	1.25
	14,103	20.3

Summary of Activities

- * Daily Plant Rounds/Weekly Samples
- * Weekly Calibrations
- * 3/27/23 Chino II - Adjusted rotork actuators on NRV's 1,3,5
- * 3/28/23 Chino II - Adjusted rotork actuators on NRV's 2,4,6
- * 3/30/23 Chino II - Inspected and re-installed bottom NRV-7 laterals
- * 4/4/23 Chino II - Increased RO train 5 production to ramp up chino II
- * 4/5/23 Chino II - Scheduled plant shut down for SCADA download and plant maintenance
- ** 4/3/23 CRF - Asset Reliability installed new caustic line to clarifier #1
- ** 4/4/23 CRF - Asset Reliability rebuilt sludge pump #2
- ** 4/5/23 CRF - CRF shut down for Chino II SCADA download and plant maintenance



Technical Advisory Committee Meeting

Agenda Item

No. 4

FY 2022/23 CDA (Chino I and Chino II) Water Deliveries (Draft)

Month	Chino	Chino Hills	JCSD	Norco	Ontario	SARWC	Western MWD	Total
Jul-22	449.730	377.051	1,079.790	97.174	796.743	110.306	324.851	3,235.645
Aug-22	475.725	399.685	1,115.742	97.729	823.209	114.702	337.797	3,364.589
Sep-22	439.040	369.489	1,063.867	103.723	800.921	109.383	322.132	3,208.555
Oct-22	449.567	379.976	1,009.778	97.183	801.887	107.860	317.648	3,163.899
Nov-22	405.876	345.439	873.241	83.369	695.351	94.855	284.291	2,782.422
Dec-22	373.307	308.708	871.430	79.269	646.381	89.850	266.644	2,635.589
Jan-23	368.328	273.475	762.112	69.709	565.867	80.412	238.842	2,358.745
Feb-23	360.333	281.473	764.300	63.498	526.766	78.182	218.777	2,293.329
Mar-23	407.131	279.923	943.035	87.215	720.743	96.974	308.769	2,843.790
Apr-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
May-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Jun-23	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Total FY 22/23 Deliveries	3,729.037	3,015.219	8,483.295	778.869	6,377.868	882.524	2,619.751	25,886.563
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 March 2023 (AF)	3,729.0	3,015.2	8,483.3	778.9	6,377.9	882.5	2,619.8	25,886.6
	99.4%	95.7%	96.4%	103.8%	99.7%	98.1%	98.8%	98.1%

Notes:

1. Actual deliveries to date are shaded.

Water Deliveries Through

Mar-23

Submitted By:

Tom O'Neill, General Manager/CEO

Date

Approved By:

CDA Technical Advisory Committee

Approved On:



Technical Advisory Committee Meeting

Agenda Item

No. 5



SUBJECT: AMENDMENT NO 1 CHINO II DESALTER PELLET SLURRY PUMPS AND ASSOCIATED PIPING PROJECT DESIGN SERVICES CONTRACT

RECOMMENDATION:

Staff recommends that the Board:

1. Approve Amendment No. 1 to the Professional Services Agreement with Carollo Engineers for design of the Pellet Slurry Pumps and Associated Piping Project in the not-to-exceed amount of \$58,555; and
2. Authorize the General Manager/CEO to finalize and execute the Agreement and approve authorized expenditures up to a not-to-exceed total of \$193,555.
3. Find that this item is not a project pursuant to the California Environmental Quality Act.

BACKGROUND:

The CDA Board of Directors approved a contract in the amount of \$122,553 with Carollo Engineers for the design of the Pellet Slurry Pumps and Associated Piping Project on July 7, 2022. The components of the design contract included tasks through the bidding process. The project has bid and a contract for the construction was awarded on April 6, 2023.

Amendment #1 is for Engineering Construction Services which includes submittal review, RFI responses, design clarifications, review of change orders, inspection and preparing record drawings.

The Concentrate Reduction Facility (CRF) is a first of its kind treatment facility, designed to treat brine concentrate generated from the Chino II Desalter RO membranes. JCSO operations and CDA staff have been working with Carollo Engineers to determine how best to improve performance at the CRF, including improvements to the pre-treatment pellet reactor softening system. Based upon Carollo’s evaluation of operational data, interviews with operations staff, and inspection of the plant, it’s been determined that the addition of pellet blowdown pumps to the Chino CRF will allow the operators to better control solids management within the reactors, leading to better process stability and performance. Currently, only one of four reactors can execute a pellet removal cycle at a time, creating a bottleneck when operating 3 reactors in parallel. The pellet blowdown system will allow the operators to remove pellets from two reactors simultaneously, speeding up the process considerably. Further, using the existing scales, the operators will be able to accurately measure the mass of pellets removed during each blowdown event, which improves process control and developing a more consistent pellet size to assist with pellet marketing.

This item was reviewed and approved by the Technical Advisory Committee on April 11, 2023, and Finance Committee on April 27, 2023.

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

Board of Directors: Approved Continued Denied

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

IMPACT ON BUDGET:

The funds for Engineering Services during construction of the Pellet Slurry Pumps and Associated Piping Project are included in the approved FY 2022/23 CIP budget.

ATTACHMENT:

Carollo Engineers proposal, dated June 4, 2023.

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

Page 2 of 2

Board of Directors: Approved Continued Denied

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

TASK ORDER NO. 02
CHINO BASIN DESALTER AUTHORITY
OWNER
AND
CAROLLO ENGINEERS, INC.
ENGINEER

This Task Order is issued by the OWNER and accepted by ENGINEER pursuant to the mutual promises, covenants and conditions contained in the Agreement between the above-named parties dated the 4th day of June, 2022, in connection with:

Chino Concentrate Reduction Facility Pellet Blowdown Pumping System
(Project)

PURPOSE

The purpose of this Task Order is to:

- Describe construction phase services for the installation or pellet blowdown pumps and ancillary facilities at the Chino Concentrate Reduction Facility (CRF).

ENGINEER'S SERVICES

ENGINEER will provide construction phase services for the of pellet blowdown pumps at the CRF.

ENGINEER will provide:

- Review of equipment submittals, responses to requests for information (RFIs), preparation of design clarifications, and review of change orders. All submittals, design clarifications, responses and all other documentation will be electronic.
 - ENGINEER will review up to twenty (20) submittals at 2 hours per submittal and 10 resubmittals at 1 hour per review
 - ENGINEER will respond to 15 RFIs at 1 hours per response.
 - ENGINEER will prepare and issue two (2) design clarifications at 2 hours per clarification.
 - ENGINEER will review up to two (2) change orders at 1 hour per review.
- ENGINEER will provide general inspections services as needed. Inspections shall be requested by the OWNER no less than 48 hours in advance. Twenty (20) inspection trips will be included at 4 hours per trip.
- ENGINEER will conduct a preconstruction meeting at the site prior to construction activities.
- ENGINEER will conduct weekly construction meetings (virtual) for the duration of construction (3 months total)
- ENGINEER will conduct a post construction site visit and inspection, develop a punch list, and assist OWNER with project closeout.
- ENGINEER will prepare as-built record drawings based on markups provided by the contractor at the end of the project.

TIME OF PERFORMANCE

ENGINEER will complete tasks in accordance with the contractor's construction schedule.

PAYMENT

Compensation for these services shall be performed on a time and materials basis in accordance with ENGINEER's standard fee schedule, with a not to exceed cost of \$58,555. The costs are shown in Table 1 and will be invoiced on a percent complete by task.

Table 1		
Engineering Construction Phase Services for Pellet Blowdown Pumping System at the Chino Concentrate Reduction Facility		
Task Description	Hours	Amount
Monthly Project Management	2	\$688
Submittals/RFIs/DCs/Change Orders	71	\$17,464
Inspections	84	\$20,795
Meetings	28	\$11,232
Record Drawings	44	\$8,376
TOTAL	530	\$58,555

EFFECTIVE DATE

This Task Order No. 01 is effective as of the ____ day of April, 2023.

IN WITNESS WHEREOF, duly authorized representatives of the OWNER and of the ENGINEER have executed this Task Order No. 01 evidencing its issuance by OWNER and acceptance by ENGINEER.

CAROLLO ENGINEERS, INC.

OWNER

Accepted this ____ day of April, 2023.

By: _____
Vice President

By: _____
General Manager/CEO

By: _____
Vice President



Technical Advisory Committee Meeting

Agenda Item

No. 6



Exhibit A

Budget Fiscal Year 2023/24
Adopted by the Chino Basin Desalter Board of Directors May 12, 2022

Members	Entitlement AF Per WPA	Entitlement %	Administrative Costs	Qtrly Amt	Fixed Proj Cost - Debt Service ^{1,2}	Qtrly Amt	Fixed Proj Cost - Capital	Qtrly Amt	43% Fixed O&M Cost	Qtrly Amt	57% Variable O&M Cost	Qtrly Amt	Total Cost	Qtrly Amt	Cost Per AF ¹
JCSD	11,733	33.332%	\$ 594,391	\$ 148,598	\$ 2,075,375	\$ 518,844	\$ 948,294	\$ 237,074	\$ 4,621,490	\$ 1,155,373	\$ 6,126,161	\$ 1,531,540	\$ 14,365,711	\$ 3,591,429	\$ 1,224
Chino	5,000	14.205%	\$ 253,310	63,328	1,265,363	316,341	\$ 404,132	101,033	\$ 1,969,527	492,382	\$ 2,610,788	652,892	6,503,100	\$ 1,625,776	1,301
Ontario ¹	8,533	24.241%	\$ 432,277	108,069	-	-	\$ 689,656	172,414	\$ 3,361,020	840,255	\$ 4,455,306	1,113,827	8,938,259	\$ 2,234,565	1,048
Chino Hills	4,200	11.932%	\$ 212,777	53,184	1,062,984	265,746	\$ 339,465	84,868	\$ 1,654,375	413,594	\$ 2,193,008	548,252	5,462,609	\$ 1,365,652	1,301
Santa Ana River Water Co.	1,200	3.409%	\$ 60,791	15,198	303,568	75,892	\$ 96,986	24,247	\$ 472,659	118,165	\$ 626,548	156,637	1,560,552	\$ 390,139	1,301
Norco	1,000	2.841%	\$ 50,662	12,666	252,973	63,243	\$ 80,826	20,207	\$ 393,905	96,476	\$ 522,154	130,539	1,300,520	\$ 325,131	1,301
WMWD ²	3,534	10.040%	\$ 179,038	44,760	-	-	\$ 285,638	71,410	\$ 1,392,048	348,012	\$ 1,845,274	461,319	3,701,998	\$ 925,501	1,048
Total	35,200	100.000%	\$ 1,783,246		\$ 4,960,263		\$ 2,844,997		\$ 13,865,024		\$ 18,379,219		\$ 41,832,749	\$ 10,458,193	

Debt Service 2016A Bond

	Allocation %	Debt Service 2016A Bond	Total Debt Service
JCSD	41.84%	2,075,375	\$ 2,075,375
Chino	25.51%	1,265,363	\$ 1,265,363
Ontario ¹	0.00%	-	\$ -
Chino Hills	21.43%	1,062,984	\$ 1,062,984
Santa Ana River Water Co.	6.12%	303,568	\$ 303,568
Norco	5.10%	252,973	\$ 252,973
WMWD	0.00%	-	\$ -
	100.00%	4,960,263	4,960,263

Administration	\$ 1,783,246	<i>membranes</i>
Capital Costs	\$ 2,845,000	<i>600,000</i>
Debt Service	\$ 4,960,263	
A	Chino I O&M	\$ 11,516,956
B	Chino II O&M	\$ 20,727,287
A + B	Total CI & CII	\$ 32,244,243
	Fixed @43%	\$ 13,865,024
	Variable @57%	\$ 18,379,219
A + B	Total CI & CII	\$ 32,244,243

(1) Fixed Project Cost Allocation excluding Ontario (Ontario prepaid its share of debt obligation in Aug 2005).

(2) WMWD has no Debt Service Obligation.

	A	B	C	D	E
1	CDA FY2023/24 Budget - Administration			Exhibit B	
2	<i>Proposed Budget for Administration - FY2023/24</i>				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				35,200 AF	35,200 AF
8					
9	ADMINISTRATION BUDGET SUMMARY				
10	Total Material & Supplies			-	-
11	Total Professional & Maintenance Services			\$ 31,300	\$ 31,300
12	Total Utilities			29,016	29,016
13	Total Non Employee			18,000	18,000
14	Total Compensation			719,053	837,032
15	Total Benefits			245,416	249,230
17	Total Admin Exp			358,098	435,598
18	Total Professional Fees			168,500	168,870
19	Total Finance			1,913,363	1,759,462
20	Total Expenses			\$ 3,482,746	\$ 3,528,508
21					
22	Total Expenses Net of Bond Interest Expense			\$ 1,584,233	\$ 1,783,246
23					

	A	B	C	D	E
1	CDA FY2023/24 Budget - Administration			Exhibit B	
2	<i>Proposed Budget for Administration - FY2023/24</i>				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				35,200 AF	35,200 AF
8					
25	Expenses				
48	Professional & Maintenance Services				
49	5210	Contract Services Labor & Material		-	-
50	5230	Professional Services Other		25,000	25,000
51	5260	Security Services		420	420
52	5261	Janitorial Services		5,880	5,880
53	Total Professional & Maintenance Services			\$ 31,300	\$ 31,300
54	Utilities				
55	5500	Electricity		6,816	6,816
56	5510	Telephone/Network Communication Svcs		21,000	21,000
57	5511	Cell Phone		1,200	1,200
61	Total Utilities			\$ 29,016	\$ 29,016
62	Total Operations & Maintenance			\$ 60,316	\$ 60,316
63	Administration & General				
64	Non Employee Compensation				
65	6001	Directors' Fees		18,000	18,000
66	Total Non Employee			\$ 18,000	\$ 18,000
67	Compensation				
68	6010	Regular Wages		719,053	837,032
69	6019	Overtime Wages		-	-
70	6020	Holiday Pay		-	-
71	6030	Vacation Pay		-	-
72	6040	Sick Pay		-	-
73	6046	Paid Executive Leave		-	-
74	6050	Accrued Leave Expense		-	-
76	Total Compensation			\$ 719,053	\$ 837,032
77	Benefits				
78	6200	Auto Allowance		7,000	7,000
79	6210	Payroll Tax - Employer's Portion of FICA Medicare		10,267	10,838
80	6211	Payroll Tax - State Other/SUI		1,008	1,008
81	6212	Payroll Tax Federal Other/FUTA		-	-
82	6220	Insurance Costs - Health and Accidental		81,452	81,452
83	6222	Insurance - Life to \$50K		480	480
84	6223	Insurance - Life > \$50K		2,044	2,044
85	6225	Workers' Compensation Insurance Premium		5,000	5,000
86	6227	Retirement Benefits Paid by Employer		138,165	141,408
87	Total Benefits			\$ 245,416	\$ 249,230

	A	B	C	D	E
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2	<i>Proposed Budget for Administration - FY2023/24</i>				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				35,200 AF	35,200 AF
8					
92	Administration Exp				
93	6700	Office Supplies - General		7,000	7,000
94	6705	Printing/Copying		3,000	3,000
95	6706	Office Equipment Lease		6,270	6,270
96	6707	Computer Equipment		5,000	5,000
97	6708	IT Support		15,000	15,000
98	6710	Postage and Delivery Charges		2,500	2,500
99	6715	Computer S/W Subscrip and Lic Fees		47,628	58,628
110	6720	Meeting Expenses		1,000	1,000
111	6721	Mileage Reimbursement		1,700	1,700
112	6725	Registration Fees (Training)		6,000	6,000
113	6726	Travel Costs		3,600	3,600
114	6730	Professional Membership - Employees		2,600	2,600
115	6731	Professional Membership - Agency Wide		20,000	20,000
116	6735	Subscriptions and Publications		500	500
117	6736	Advertising - Public Postings		1,300	1,300
118	6741	Main Office Lease		35,000	35,000
119	6745	Non Lease Component Expense		-	-
120	6780	Insurance - Liability		20,000	21,500
121	6781	Insurance - Casualty and Property		180,000	245,000
122	Total Admin Exp			\$ 358,098	\$ 435,598
123	Professional Fees				
124	7100	External Audit Expense		18,500	18,870
125	7110	Legal Expenses - General		150,000	150,000
126	Total Professional Fees			\$ 168,500	\$ 168,870
127	Finance				
128	7200	Bond Interest Expenses		1,898,513	1,745,262
130	7210	Bond Admin Fees		5,500	5,500
131	7211	Financial Services		6,650	6,000
132	7221	Bank Service Charges		2,700	2,700
133	Total Finance			\$ 1,913,363	\$ 1,759,462
137	Total Administration & General			\$ 3,422,430	\$ 3,468,192
138	Total Expenses			\$ 3,482,746	\$ 3,528,508
139					

	A	B	C	F	G
1	CDA FY2023/24 Budget - Chino I			Exhibit C	
2	Proposed Budget for FY2023/24				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				12,500 AF	12,500 AF
8					
9	CHINO I BUDGET SUMMARY				
10	Total Outside Labor			\$ 1,449,087	\$ 1,615,000
11	Total Material & Supplies			272,500	403,000
12	Total Professional & Maintenance Services			1,119,800	1,304,300
13	Total Chemicals			2,174,682	2,234,682
14	Total Operating Fees			1,500,630	1,521,210
15	Total Utilities			3,988,380	4,395,880
16	Total Other Exp			35,884	36,384
17	Total Admin Exp			5,850	6,500
18	Total Expenses			\$ 10,546,813	\$ 11,516,956
19					

	A	B	C	F	G
1	CDA FY2023/24 Budget - Chino I			Exhibit C	
2	Proposed Budget for FY2023/24				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				12,500 AF	12,500 AF
8					
20	Expenses				
21	Operations & Maintenance				
22	Outside Labor				
23	5020	Contract Labor IEUA		1,397,069	1,560,000
24	5034	Contract Labor Admin IEUA		39,080	40,000
25	5022	Contract Labor Member Agencies		12,938	15,000
26	Total Outside Labor			\$ 1,449,087	\$ 1,615,000
27	Materials & Supplies				
28	5110	Supplies General		220,000	250,500
64	5170	Equipment Less than \$5000		-	-
65	5175	Equip Lease/Rental		2,500	2,500
66	5180	Membrane Replacements		-	-
67	5185	Resin Replacements		50,000	150,000
69	Total Material & Supplies			\$ 272,500	\$ 403,000

	A	B	C	F	G
1	CDA FY2023/24 Budget - Chino I			Exhibit C	
2	Proposed Budget for FY2023/24				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				12,500 AF	12,500 AF
8					
70	Professional & Maintenance Services				
71	5210	Contract Services Labor & Material		213,800	223,300
97	5211	Contract Svcs SCADA and Instrmntn Supprt		150,000	150,000
98	5212	Contract Services Plant Process Consultant		-	-
99	5230	Professional Services Other		50,000	50,000
103	5240	Laboratory		250,000	325,000
107	5250	Computer/Network System Maintenance		10,000	10,000
108	5260	Security Services		20,000	20,000
111	5261	Janitorial Services		7,000	7,000
112	5262	Landscaping/Weed and Pest Control		19,000	19,000
113	5291	Pump Motor Well Repair & Maintenance		400,000	500,000
114	Total Professional & Maintenance Services			\$ 1,119,800	\$ 1,304,300

	A	B	C	F	G
1	CDA FY2023/24 Budget - Chino I			Exhibit C	
2	Proposed Budget for FY2023/24				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				12,500 AF	12,500 AF
8					
115	Chemicals				
116	5310	Salt		900,000	820,000
117	5315	Lime		-	-
118	5320	Threshold Inhibitor - Anti Scalant		160,000	160,000
119	5325	Soda Ash		-	-
120	5330	Sodium Hydroxide (Caustic Soda)		247,960	247,960
121	5331	Sodium Hypochlorite		6,000	6,000
122	5335	Polymer		-	-
123	5340	Sulfuric Acid		463,722	463,722
124	5344	Magnesium Chloride		-	-
125	5345	Ferric Chloride		-	-
126	5350	Ammonia		12,000	12,000
127	5355	Seed		-	-
128	5356	GAC Media (North and South GAC)		360,000	500,000
129	5390	Other Chemicals		25,000	25,000
130	Total Chemicals			\$ 2,174,682	\$ 2,234,682
131	Operating Fees				
132	5410	Permits and Licenses		30,000	30,000
133	5420	Volumetric Fees Wastewater		899,518	920,098
134	5430	Strength Charges BOD/COD		5,200	5,200
135	5435	Strength Charges TSS		70,000	70,000
136	5445	Capacity Fees		495,912	495,912
137	Total Operating Fees			\$ 1,500,630	\$ 1,521,210
138	Utilities				
139	5500	Electricity		3,950,000	4,362,500
140	5510	Telephone/Network Communication Svcs		16,180	16,180
141	5511	Cell Phone		-	-
142	5520	Water		10,000	5,000
143	5530	Disposal Fees		6,000	6,000
144	5590	Other Utilities		6,200	6,200
147	Total Utilities			\$ 3,988,380	\$ 4,395,880
148	Other Expenses				
150	5910	Property Tax Mello Roos		2,500	2,500
151	5915	Computer S/W Subscrp and Lic Fees (prev GL6715)		33,384	33,884
162	Total Other Exp			\$ 35,884	\$ 36,384
163	Total Operations & Maintenance			\$ 10,540,963	\$ 11,510,456
164	Administration & General				
165	Administration Exp				
166	6700	Office Supplies - General		3,000	3,000
167	6705	Printing/Copying		350	1,000
168	6706	Office Equipment Lease		2,500	2,500
169	Total Admin Exp			\$ 5,850	\$ 6,500
170	Total Administration & General			\$ 5,850	\$ 6,500
171	Total Expenses			\$ 10,546,813	\$ 11,516,956

	A	B	C	F	G
1	CDA FY2023/24 Budget - Chino II			Exhibit C	
2	<i>Proposed Budget for FY2023/24</i>				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				22,700 AF	22,700 AF
8					
9	CHINO II BUDGET SUMMARY				
10	Total Outside Labor			\$ 2,226,853	\$ 2,600,000
11	Total Material & Supplies			803,500	413,500
12	Total Professional & Maintenance Services			1,702,422	1,761,122
13	Total Chemicals			6,734,990	6,397,700
14	Total Operating Fees			880,377	899,625
15	Total Utilities			7,901,100	8,628,840
16	Total Other Exp			17,000	17,000
17	Total Admin Exp			9,500	9,500
18	Total Expenses			\$ 20,275,742	\$ 20,727,287
19					

	A	B	C	F	G
1	CDA FY2023/24 Budget - Chino II			Exhibit C	
2	Proposed Budget for FY2023/24				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				22,700 AF	22,700 AF
8					
20	Expenses				
21	Operations & Maintenance				
22	Outside Labor				
23					
24	5021	Contract Labor JCSD		2,195,303	2,568,450
25	5039	Contract Labor Admin JCSD		31,550	31,550
26	5022	Contract Labor Member Agencies		-	-
27	Total Outside Labor			\$ 2,226,853	\$ 2,600,000
28	Materials & Supplies				
29	5110	Supplies General		285,500	353,500
69	5170	Equipment Less than \$5000		-	-
70	5175	Equip Lease/Rental		10,000	10,000
71	5180	Membrane Replacements		458,000	-
72	5185	Resin Replacements		50,000	50,000
73	5190	Other Materials and Supplies		-	-
74	Total Material & Supplies			\$ 803,500	\$ 413,500
75	Professional & Maintenance Services				
76	5210	Contract Services Labor & Material		325,000	346,000
107	5211	Contract Srvcs SCADA and Instrmntn Supprt		200,000	200,000
108	5212	Contract Services Plant Process Consultant		-	-
109	5230	Professional Services Other		200,000	275,000
119	5240	Laboratory		250,000	250,000
124	5250	Computer/Network System Maintenance		37,500	20,000
125	5260	Security Services		15,338	15,338
128	5261	Janitorial Services		38,203	18,403
133	5262	Landscaping/Weed and Pest Control		2,040	2,040
134	5291	Pump Motor Well Repair & Maintenance		600,000	600,000
135	5295	JCSD Water Transportation Fees		34,341	34,341
136	Total Professional & Maintenance Services			\$ 1,702,422	\$ 1,761,122
137	Chemicals				
138	5310	Salt		600,000	600,000
139	5315	Lime		537,000	500,000
140	5320	Threshold Inhibitor - Anti Scalant		145,300	145,300
141	5325	Soda Ash		863,000	400,000
142	5330	Sodium Hydroxide (Caustic Soda)		3,522,490	3,600,000
143	5331	Sodium Hypochlorite		-	5,000
144	5335	Polymer		210,800	210,000
145	5340	Sulfuric Acid		725,000	750,000
146	5344	Magnesium Chloride		46,400	46,400
147	5345	Ferric Chloride		-	-
148	5350	Ammonia		-	-
149	5355	Seed		40,000	40,000

	A	B	C	F	G
1	CDA FY2023/24 Budget - Chino II			Exhibit C	
2	Proposed Budget for FY2023/24				
3					
4					
5				FY2022/23	FY2023/24
6				Adopted Budget	Proposed Budget
7				22,700 AF	22,700 AF
8					
150	5357	Clean in Place Chemicals		-	45,000
151	5358	Biocide			56,000
152	5390	Other Chemicals		45,000	-
153	Total Chemicals			\$ 6,734,990	\$ 6,397,700
154	Operating Fees				
155	5410	Permits and Licenses		21,000	30,000
156	5420	Volumetric Fees Wastewater		447,923	458,171
157	5430	Strength Charges BOD/COD		2,400	2,400
158	5435	Strength Charges TSS		17,163	17,163
159	5445	Capacity Fees		391,891	391,891
160	Total Operating Fees			\$ 880,377	\$ 899,625
161	Utilities				
162	5500	Electricity		7,173,200	7,922,300
163	5510	Telephone/Network Communication Srvcs		37,000	37,000
164	5511	Cell Phone		4,000	4,000
165	5520	Water		12,000	9,000
166	5530	Disposal Fees		6,540	6,540
167	5531	Clarifier Solids Disposal (sludge)		603,560	575,000
169	5532	Pellet Disposal		64,800	75,000
171	Total Utilities			\$ 7,901,100	\$ 8,628,840
172	Other Expenses				
173	5900	Equip Lease/Rental		-	-
174	5915	Computer S/W Subscrp and Lic Fees (prev GL6715)		17,000	17,000
180	Total Other Exp			\$ 17,000	\$ 17,000
181	Total Operations & Maintenance			\$ 20,266,242	\$ 20,717,787
182	Administration & General				
183	Administration Exp				
184	6700	Office Supplies - General		3,000	3,000
185	6705	Printing/Copying		1,000	1,000
186	6706	Office Equipment Lease		2,500	2,500
187	6707	Computer Equipment		3,000	3,000
189	Total Admin Exp			\$ 9,500	\$ 9,500
190	Total Administration & General			\$ 9,500	\$ 9,500
191	Total Expenses			\$ 20,275,742	\$ 20,727,287



FY 2023/24 Capital Budget
 (Non-Debt Financed Capital Projects)
 Proposed budget for FY2023/24

Project #	Project Description	FY2022/23 Budget Carryover	FY2023/24 New or Continuation Segment of Project	FY2023/24 Budgeted Project Cost
Chino I Projects				
7139	Update CDA-1 Operations and Maintenance Manual	250,000	-	250,000
7149	SCADA Radio Survey & Equipment Master Plan <i>(Prev named Chino I Well Field Master Plan Development)</i>	129,805	50,000	179,805
7152	CIP Room Coating (Design/Professional Fees)	251,212	800,000	1,051,212
7158	GAC Treatment	538,911	-	538,911
7164	End User Pump Station Repairs	115,669	-	115,669
7166	Well Site Cleanup	80,000	-	80,000
7173	IX Piping Replacement	50,000	-	50,000
7174	RO Trains 1 & 2 Upgrades and Repairs	121,494	-	121,494
7175	IX/Softwater Brine Pads and Pumps Replacement	13,269	-	13,269
7177	Chlorine Tank (2) Replacement	53,000	-	53,000
7183	RO Trains 3 & 4 Upgrades and Repairs	242,000	-	242,000
7184	CIP Pump Analysis/upgrades	85,000	-	85,000
7185	Additional NRV Manways (w/Coating & Inspection)	249,280	-	249,280
7186	OCV Valve Replacement	50,000	-	50,000
7187	Chemical Optimization Study (Desalter/IX)	80,000	-	80,000
	IX Modifications and Repairs		50,000	50,000
	Pac Scan Upgrade		110,000	110,000
		\$ 2,309,640	\$ 1,010,000	\$ 3,319,640

Chino II Projects

Column1	Column2	Column3	Column4	Column5
7212	CDA-2 Operations and Maintenance Manual	\$ 200,000	\$ -	\$ 200,000
7214	Chino II Server Replacement	13,841	-	13,841
7216	Paint IX Vessels/Brine Tanks (3 tanks/8 vessels/2 waste tanks)	475,000	-	475,000
7228	Instrumentation Panel Upgrade/Relocation	15,000	15,000	30,000
7230	Well II-1 Paving and Block Wall Improvements	466,068	25,000	491,068
7231	Chlorine Tank Replacement	65,000	-	65,000
7232	Replace Chlorine Pump Skids/piping	34,780	380,000	414,780
7234	CIP Pump Analysis/upgrades	100,000	-	100,000
7236	Pellet Slurry Pumps & Associated Piping	572,622	50,000	622,622
7237	IX Wasteline Conductivity Meters	95,000	-	95,000
7238	Chemical Optimization Study (Desalter/IX)	80,000	-	80,000
	Lighting Upgrades Chino II/CRF		90,000	90,000
	Cyber Security/Network Master Plan		300,000	300,000
	IX Modifications and Repairs		100,000	100,000
	Coating Repairs to Pellet Reactor		50,000	50,000
	CRF Caustic/Soda Ash Manifold/Skid		125,000	125,000
		\$ 2,140,711	\$ 1,135,000	\$ 3,275,711

General Projects

7001	Inspection and Plan Check Services (Reimbursable)	\$ 50,000	\$ -	\$ 50,000
7002	Professional "On-Call" Services	150,000	-	150,000
7003	Capital Replacement/Emergency Reserve	150,000	100,000	250,000
	Membrane Replacement		600,000	600,000
		\$ 350,000	\$ 700,000	\$ 1,050,000

Total Non-Debt Capital Projects

\$ 4,800,351	\$ 2,845,000	\$ 7,645,351
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Technical Advisory Committee Meeting

Agenda Item

No. 9

Chino Basin Desalter Authority
Board Meeting Agenda Items

May 4, 2023 Board Meeting (Special)		TAC	Finance
Reschedule June 2023 Board Meeting to June 8, 2023	O'Neill/CDA		
CDA Budget 2023/24	Chung/CDA	4/11/2023	4/27/2023
Carollo Amendment - Pellet Blowdown Pumps	O'Neill/CDA	4/11/2023	4/27/2023

June 2023 Board Meeting (Special)		TAC	Finance
Possible Rescheduling of July 2023 Board Meeting	O'Neill/CDA		
Reserve Policy	Chung/CDA	5/9/2023	5/25/2023
Contract Award for Bulk Supply of Sodium Hydroxide 2023/24	O'Neill/CDA	5/9/2023	5/25/2023
Contract Award for On-Call Services for Efficiency Testing of Water Well and Booster Pumps	O'Neill/CDA	5/9/2023	5/25/2023
Contract Award for Laboratory Services	O'Neill/CDA	5/9/2023	5/25/2023



Technical Advisory Committee Meeting

Agenda Item

No. 10

Chino Basin Desalter Authority

TAC Meeting Agenda Items

April 25, 2023

Meeting Minutes

Chino I Operations Report

Chino II/CRF Operations Report

Chino I GAC Update

May 9, 2023

Meeting Minutes

Chino I Operations Report

Chino II/CRF Operations Report

Water Deliveries

Contract Award for On-Call Services for Efficiency Testing of Water Well and Booster Pumps
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Contract Award for Bulk Supply of Sodium Hydroxide 2023/24
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Contract Award for Laboratory Services
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Reserve Policy

Chino I GAC Update
