



**CHINO BASIN  
DESALTER  
AUTHORITY**

# **Technical Advisory Committee Meeting**

**January 28, 2020 • 1:30 p.m.**

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**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

**January 28, 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.*

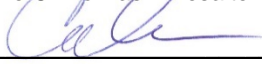
- 1. MINUTES OF JANUARY 14, 2020 TECHNICAL ADVISORY COMMITTEE MEETING**
- 2. CHINO I OPERATIONS REPORT**  
Report By: Ian Tillery/Inland Empire Utilities Agency
- 3. CHINO II OPERATIONS REPORT**  
Report By: Aaron Anderson/Jurupa Community Services District
- 4. CHINO II CONCENTRATE REDUCTION FACILITY OPERATIONAL ISSUES**  
Report By: Thomas O'Neill, CDA General Manager/CEO
- 5. MID YEAR BUDGET REVIEW**  
Report By: Jose Garcia, CDA Principal Accountant
- 6. PHASE 3 EXPANSION UPDATE**  
Report By: Cindy Miller, Phase 3 Expansion Program Manager
- 7. SOUTH ARCHIBALD PLUME UPDATE**  
Report By: Cindy Miller, South Archibald Plume Program Manager
- 8. ADMINISTRATIVE OFFICE SPACE UPDATE**  
Report By: Casey Costa, CDA Executive Assistant
- 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

**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 January 24, 2020 at 1:30 p.m.

  
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Casey Costa, Executive Assistant



# **Technical Advisory Committee Meeting**

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## **Agenda Item**

### **No. 1**

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**CHINO BASIN DESALTER AUTHORITY  
TECHNICAL ADVISORY COMMITTEE**

**MINUTES**

**January 14, 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:**

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Dave Crosley, City of Chino  
Chris Bonadurer, City of Ontario  
Ian Tillery, Inland Empire Utilities Agency  
Ben Armel, Jurupa Community Services District  
Paul Ruggie, Western Municipal Water District

**Others Present:**

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Thomas O'Neill, CDA General Manager/CEO  
Michael Chung, CDA CFO/Treasurer  
Todd Minten, CDA Operations Manager  
Jose Garcia, CDA Principal Accountant  
Aaron Anderson, Jurupa Community Services District  
Matthew Abel, Jurupa Community Services District  
Cindy Miller, Hazen & Sawyer  
Bob Bowcock, Integrated Resources Management/SB County Airports

**PUBLIC COMMENT** - There were no comments from the public.

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

**AGENDA ITEMS**

**1. MINUTES OF DECEMBER 17, 2019 TECHNICAL ADVISORY COMMITTEE MEETING**

Minutes were approved as submitted.

**2. CHINO I OPERATIONS REPORT**

Report By: Ian Tillery/Inland Empire Utilities Agency

- Plant Production 9.66 MGD
- Cartridge filter for clean in place is done
- NRV-2 is back in service
- Lift fully repaired
- RO motor oil changeouts were completed
- Started Spectraguard 360 inhibitor change for brine line.
- Well I-15 was reinstalled yesterday, it is not yet operational. General Pump is working on it.

**3. CHINO II OPERATIONS REPORT**

Report By: Aaron Anderson/Jurupa Community Services District

- Plant Production 16.94 MGD
- SRO Train 3 pulled.
- Performing clean in place on Train 3
- Received resin for NRV-7; after resin is disinfected it will be installed and put back into service
- Train 5 motor installed and put back in service
- Annual well sampling complete

**4. CHINO II CONCENTRATE REDUCTION FACILITY OPERATIONAL ISSUES**

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

- Pulled secondary RO Pump 3
- Pellet reactor coating touch-ups have been completed.
- Received new gaskets.
- Preparing for disinfection.
- Pascal and Ludwig to complete evacuation of caustic tank and tie-overs for new soda ash line.
- PIPework to tie plants together needs to be completed.
- Working on graphic changes for new SCADA displays

**5. WATER DELIVERIES**

Report By: Todd Minten, CDA Operations Manager

Deliveries YTD is 80.5%, of entitlements. Revised anticipated delivery will reflect 88%. Plan to bring concentrate reduction facility online at end of month. New allocations will be sent at that time.

**6. CONCENTRATE REDUCTION FACILITY – OPERATIONS SUPPORT SERVICES (Information Item)**

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

General Manager O'Neill reviewed an informational item regarding operational support services for the concentrate reduction facility provided by Carollo Engineers. Other tasks will include review of monthly data, preparation of quarterly report, create a video training program, and develop programs for operators to use, such as operation model. The current budget includes funds for operational support; other tasks will be budgeted in future fiscal years. This item will be reviewed in future meetings when the CRF is operational.

**7. WELL II-I PROPERTY EXCHANGE (Information Item)**

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

General Manager O'Neill reviewed the recommended property exchange of CDA property north of well II-1 and Richland Communities property to the northwest of well II-1, which would enable Richland Communities to install a cell tower and CDA to have access to complete the well site.

Additionally, CDA holds a nearby strip of land for right-of-way for a CDA pipeline. Dedication of this strip of land to City of Eastvale is under consideration, which will alleviate CDA of the responsibility to maintain the property. In this case, CDA would possess prior rights, which provides protection to CDA if case of a future request to relocate the pipeline.

**8. LETTER OF SUPPORT FOR IEUA GRANT APPLICATION TO STATE WATER RESOURCES CONTROL BOARDS**

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

General Manager O'Neill reviewed a Letter of Support for an IEUA grant application for funds to be used for South Archibald Plume and other projects. IEUA has requested that CDA member agencies submit this letter of support, as well as a commitment letter from Chino Basin Desalter Authority. Timing of submittal of letters will be discussed further.

**9. APPROVAL OF ANNUAL FINANCIAL REPORT**

Report By: Jose Garcia, CDA Principal Accountant

Principal Accountant Garcia reviewed that the Comprehensive Annual Financial Report for FY 2019-20 has been completed and the auditors have issued a clean opinion on CDA's financial statements.

**10. PHASE 3 EXPANSION UPDATE**

Report By: Cindy Miller, Phase 3 Expansion Program Manager

- Sponsor Group Meeting with agencies' finance staff will be scheduled for reconciliation of costs
- CDA had received a complaint from a Norco resident pertaining to the Santa Ana River HDD Crossing which they claim caused damage to their property. Claim is being investigated.

**11. SOUTH ARCHIBALD PLUME UPDATE**

Report By: Cindy Miller, Phase 3 Expansion Program Manager

- Gwinco is constructing Remington Pipeline to connect well I-11 to the Chino II plant. Change directive was issued to contractor due to an alignment issue involving the proximity of a gas line.
- Currently out to bid: Phase 2 pipeline, Phase 3 pipeline and Well II-12 drilling contracts.
- Civiltec will finalize bid documents for decarbonator modifications at Chino II, expected to go out to bid in the last week of January or first week of February.

**12. BOARD MEETING AGENDA ITEMS**

General Manager O'Neill reviewed future items. Currently there is only one item scheduled for the February Board Meeting. If no additional items are agendaized, the February Board Meeting may be cancelled.

**13. NEW BUSINESS/FUTURE TECHNICAL ADVISORY AGENDA ITEMS REVIEW**

General Manager O'Neill reviewed future items.

There being no further business, the meeting was adjourned at 2:27 p.m.

Submitted by Casey Costa, CDA Executive Assistant



# **Technical Advisory Committee Meeting**

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## **Agenda Item**

### **No. 2**

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**Chino I Desalter  
Treatment Plant Operations**

Summary of Activities  
January 10th to 23rd, 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%	No	0	Idle	0
I-5	96%	1,200	1,093	12%	Yes	1,093	Run	1,093
*I-6	80%	1,200	336	4%	Yes	336	Run	336
*I-7	79%	1,200	239	3%	Yes	239	Run	239
I-8	83%	900	759	8%	Yes	759	Run	759
I-9	94%	1,200	936	10%	Yes	936	Run	936
I-10	93%	1,200	971	11%	Yes	971	Run	971
I-11	100%	1,200	1,145	13%	Yes	1,145	Run	1,145
**I-13	77%	2,000	793	9%	Yes	793	Run	793
I-14	85%	2,200	1,664	18%	Yes	1,664	Run	1,664
I-15	0%	2,000	0	0%	No	0	Idle	0
I-16	100%	250	216	2%	Yes	216	Idle	0
I-17	0%	200	0	0%	No	0	Idle	0
I-20	100%	400	400	4%	Yes	400	Run	400
I-21	100%	400	475	5%	Yes	475	Run	475
gpm	Total	17,350	9,027	100%	100%	9,027	98%	8,811
MGD		24.98	13.00			13.00		12.69

**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	574	0.83
2	574	0.83
3	574	0.83
4	0	0.00
	1,722	2.48

**VOC Bypass**

Production (gpm)	(MGD)
0	0.00

**Brine Flow**

Production (gpm)	(MGD)
1,333	1.92

**Summary of Activities**

- 1/13 Installed new firewall
- 1/20 HVAC Service
- 1/20 Landscaping tour
- 1/22 acid leak repair
- 1/22 multiple power outages

**Plant Efficiency**

Flow in Vs. Flow Out	(gpm)	(MGD)
Wells	8,811	12.69
Brine	-1333	-1.92
	7,478	10.77

**Plant Production**

All Treatment Trains	(gpm)	(MGD)
Primary RO	5,080	7.32
Ion Exchange	1,722	2.48
Raw Bypass	0	0.00
	6,802	9.79

\* Air Problem  
\*\* Sand Problem  
\*\*\*Cooling Problem





# **Technical Advisory Committee Meeting**

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## **Agenda Item**

### **No. 3**

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**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	1,580
II-2	Fixed	2,000	1,652	12%	Yes	1,652	Run	1,652
II-3	Fixed	2,000	1,705	13%	Yes	1,705	Run	1,705
II-4	100%	2,000	1,680	12%	Yes	1,680	Run	1,680
II-6	100%	2,000	1,595	12%	Yes	1,595	Run	1,595
II-7	100%	1,200	920	7%	Yes	920	Run	920
II-8	Fixed	1,500	1,200	9%	Yes	1,200	Run	1,200
II-9	Fixed	2,000	0	0%	Yes	0	Idle	0
II-10	100%	3,700	1,650	12%	Yes	1,650	Run	1,650
II-11	100%	3,300	1,600	12%	Yes	1,600	Run	1,600
II-12								
gpm	Total	21,700	13,582	100%	100%	13,582	100%	13,582
MGD		31.25	19.56			19.56		19.56

**Primary RO Treatment**

Train	Recovery Rate	Production (gpm)	(MGD)
1	82.5%	0	0.00
2	82.5%	1,200	1.73
3	82.5%	1,390	2.00
4	82.5%	1,900	2.74
5	82.5%	2,250	3.24
		6,740	9.71

**Ion Exchange Treatment**

NRV			NRV		
	(gpm)	(MGD)		(gpm)	(MGD)
1	547	0.79	5	550	0.79
2	564	0.81	6	556	0.80
3	0	0.00	7	0	0.00
4	555	0.80	8	530	0.76
				3,400	4.89

**Raw Bypass**

Production (gpm)	(MGD)
1,800	2.59

**Brine Flow**

Production (gpm)	(MGD)
1,360	1.91

**Secondary RO Treatment**

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

**Plant Efficiency**

Flow in Vs. Flow Out (gpm) (MGD)		
Wells	13,582	19.56
Brine	-1360	-1.91
	12,222	17.65
	90.0%	

**Plant Production**

All Treatment Trains (gpm) (MGD)		
Primary RO	6,600	9.71
Ion Exchange	3,400	4.89
Raw Bypass	1,800	2.59
Secondary RO	0	0.00
	11,800	17.19

**Summary of Activities**

- Aquasystec providing SCADA support
- Daily Plant Rounds/Weekly Samples
- JCSD staff calibrated instruments
- CRF Offline for modifications
- Full plant disinfection of CRF
- Flush and disinfect NRV-7/Added Resin-more disinfection
- General Pump monitor motor vibration.
- Baker Electric onsite for UPS maintenance at Chino 2



# **Technical Advisory Committee Meeting**

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## **Agenda Item**

### **No. 5**

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**CONSOLIDATED BUDGET VARIANCE REPORT**  
**Chino Basin Desalter Authority**  
For 12/31/2019

**Administration**

	Y-T-D Actual	Y-T-D Budget	Variance	% of Use
<b>Revenues</b>				
4005 Administration Cost Assessment to Members	1,063,074.00	1,417,435.00	(354,361.00)	(75.00)
4010 Fixed O&M Assessment to Members	7,075,548.00	9,434,061.00	(2,358,513.00)	(75.00)
4020 Variable O&M Assessment to Members	9,379,215.00	12,505,616.00	(3,126,401.00)	(75.00)
4031 Fixed Project Costs Debt Srvc Assessment	3,720,198.00	4,960,262.00	(1,240,064.00)	(75.00)
4032 Fixed Project Costs Capital Assessments	1,562,550.00	2,083,398.00	(520,848.00)	(75.00)
4100 Interest Income	158,827.77	0.00	158,827.77	0.00
4150 MWD Contributions	2,701,898.40	0.00	2,701,898.40	0.00
4900 Other Revenue	155.59	0.00	155.59	0.00
<b>Total Revenues</b>	<b>25,661,466.76</b>	<b>30,400,772.00</b>	<b>(4,739,305.24)</b>	<b>(84.41)</b>

**Expenses****Operations & Maintenance****Outside Labor****Materials & Supplies****Professional Services**

5230 Professional Services Other

**Total Professional Services****Chemicals**

5310 Salt

5320 Threshold Inhibitor - Anti Scalant

5330 Sodium Hydroxide (Caustic)

5331 Sodium Hypochlorite

5332 Caustic Soda

5340 Sulfuric Acid

5350 Ammonia

5390 Other Chemicals

**Total Chemicals****Operating Fees****Utilities**

5500 Electricity

5510 Telephone/Network Communication Svcs

5511 Cell Phone

**Total Utilities****Other Expenses****Total Other Exp****Total Operations & Maintenance****Administration & General****Non Employee Compensation**

6001 Directors' Fees

**Total Non Employee****Compensation**

6010 Regular Wages

6019 Overtime Wages

6020 Holiday Pay

6030 Vacation Pay

6040 Sick Pay

6046 Paid Executive Leave

**Total Compensation****Benefits**

6200 Auto Allowance

6210 Payroll Tax - Employer's Portion of FICA Medicare

6211 Payroll Tax - State Other/SUI

6212 Payroll Tax Federal Other/FUTA

6220 Insurance Costs - Health and Accidental

6222 Insurance - Life to \$50K

6223 Insurance - Life &gt; \$50K

6225 Workers' Compensation Insurance Premium

6227 Retirement Benefits Paid by Employer

**Total Benefits****Recruitment**

	(4,409.84)	25,000.00	29,409.84	(17.64)
<b>Total Professional Services</b>	<b>(4,409.84)</b>	<b>25,000.00</b>	<b>29,409.84</b>	<b>(17.64)</b>
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
	0.00	0.00	0.00	0.00
<b>Total Chemicals</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
	2,086.50	3,570.00	1,483.50	58.45
	12,838.96	22,000.00	9,161.04	58.36
	600.00	1,200.00	600.00	50.00
<b>Total Utilities</b>	<b>15,525.46</b>	<b>26,770.00</b>	<b>11,244.54</b>	<b>58.00</b>
	0.00	0.00	0.00	0.00
<b>Total Other Exp</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Operations &amp; Maintenance</b>	<b>11,115.62</b>	<b>51,770.00</b>	<b>40,654.38</b>	<b>21.47</b>
	7,050.00	18,000.00	10,950.00	39.17
<b>Total Non Employee</b>	<b>7,050.00</b>	<b>18,000.00</b>	<b>10,950.00</b>	<b>39.17</b>
	266,278.05	691,266.00	424,987.95	38.52
	7,818.30	0.00	(7,818.30)	0.00
	9,887.36	0.00	(9,887.36)	0.00
	7,951.26	0.00	(7,951.26)	0.00
	1,443.70	0.00	(1,443.70)	0.00
	3,201.93	0.00	(3,201.93)	0.00
<b>Total Compensation</b>	<b>296,580.60</b>	<b>691,266.00</b>	<b>394,685.40</b>	<b>42.90</b>
	3,303.72	7,000.00	3,696.28	47.20
	4,348.32	8,900.00	4,551.68	48.86
	(91.93)	1,260.00	1,351.93	(7.30)
	0.00	1,260.00	1,260.00	0.00
	22,573.73	50,400.00	27,826.27	44.79
	75.92	200.00	124.08	37.96
	920.00	700.00	(220.00)	131.43
	1,126.72	7,000.00	5,873.28	16.10
	40,707.29	76,197.00	35,489.71	53.42
<b>Total Benefits</b>	<b>72,963.77</b>	<b>152,917.00</b>	<b>79,953.23</b>	<b>47.71</b>

**CONSOLIDATED BUDGET VARIANCE REPORT**  
**Chino Basin Desalter Authority**  
For 12/31/2019

**Administration**

	Y-T-D Actual	Y-T-D Budget	Variance	% of Use
<b>Administration Exp</b>				
6700 Office Supplies - General	1,983.95	6,000.00	4,016.05	33.07
6705 Printing/Copying	2,028.58	3,000.00	971.42	67.62
6706 Office Equipment Lease	2,079.90	3,700.00	1,620.10	56.21
6707 Computer Equipment	5,789.95	5,000.00	(789.95)	115.80
6708 IT Support	575.00	15,000.00	14,425.00	3.83
6710 Postage and Delivery Charges	756.92	2,000.00	1,243.08	37.85
6715 Computer S/W Subscrp and Lic Fees	21,794.53	29,000.00	7,205.47	75.15
6720 Meeting Expenses	269.96	1,000.00	730.04	27.00
6721 Mileage Reimbursement	666.13	1,700.00	1,033.87	39.18
6725 Registration Fees	1,800.24	6,000.00	4,199.76	30.00
6726 Travel Costs	2,061.32	2,600.00	538.68	79.28
6730 Professional Membership - Employees	0.00	2,600.00	2,600.00	0.00
6731 Professional Membership - Agency Wide	649.00	20,000.00	19,351.00	3.25
6735 Subscriptions and Publications	0.00	500.00	500.00	0.00
6736 Advertising - Public Postings	0.00	1,300.00	1,300.00	0.00
6741 Main Office Lease	21,376.86	45,423.00	24,046.14	47.06
6780 Insurance - Liability	7,459.83	30,000.00	22,540.17	24.87
6781 Insurance - Casualty and Property	109,414.06	150,000.00	40,585.94	72.94
<b>Total Admin Exp</b>	<b>178,706.23</b>	<b>324,823.00</b>	<b>146,116.77</b>	<b>55.02</b>
<b>Professional Fees</b>				
7100 External Audit Expense	12,500.00	14,710.00	2,210.00	84.98
7110 Legal Expenses - General	37,741.84	150,000.00	112,258.16	25.16
<b>Total Professional Fees</b>	<b>50,241.84</b>	<b>164,710.00</b>	<b>114,468.16</b>	<b>30.50</b>
<b>Finance</b>				
7200 Bond Interest Expenses	1,157,631.25	2,315,263.00	1,157,631.75	50.00
7210 Bond Admin Fees	2,750.00	4,600.00	1,850.00	59.78
7211 Financial Services	1,000.00	6,650.00	5,650.00	15.04
7221 Bank Service Charges	937.17	2,700.00	1,762.83	34.71
<b>Total Finance</b>	<b>1,162,318.42</b>	<b>2,329,213.00</b>	<b>1,166,894.58</b>	<b>49.90</b>
<b>Total Administration &amp; General</b>	<b>1,767,860.86</b>	<b>3,680,929.00</b>	<b>1,913,068.14</b>	<b>48.03</b>
<b>Total Expenses</b>	<b>1,778,976.48</b>	<b>3,732,699.00</b>	<b>1,953,722.52</b>	<b>47.66</b>

# CONSOLIDATED BUDGET VARIANCE REPORT

## Chino Basin Desalter Authority

### For 12/31/2019

Chino I	Y-T-D Actual	Y-T-D Budget	Variance	% of Use
<b>Revenues</b>				
<b>Total Revenues</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Expenses</b>				
<b>Operations &amp; Maintenance</b>				
<b>Outside Labor **</b>				
5020 Contract Labor IEUA **	567,538.07	1,280,429.00	712,890.93	44.32
5034 Contract Labor Admin IEUA **	12,046.51	50,319.00	38,272.49	23.94
<b>Total Outside Labor **</b>	<b>579,584.58</b>	<b>1,330,748.00</b>	<b>751,163.42</b>	<b>43.55</b>
<b>Materials &amp; Supplies</b>				
5110 Supplies General	93,052.21	200,000.00	106,947.79	46.53
5170 Equipment Less than \$5000	0.00	8,000.00	8,000.00	0.00
5175 Equip Lease/Rental	0.00	2,500.00	2,500.00	0.00
5180 Membrane Replacements	125,300.00	150,000.00	24,700.00	83.53
5185 Resin Replacements	47,497.39	50,000.00	2,502.61	94.99
5190 Other Materials and Supplies	1,811.28	0.00	(1,811.28)	0.00
<b>Total Materials &amp; Supplies</b>	<b>267,660.88</b>	<b>410,500.00</b>	<b>142,839.12</b>	<b>65.20</b>
<b>Professional Services</b>				
5210 Contract Services Labor & Material	10,661.91	200,000.00	189,338.09	5.33
5211 Contract Svcs SCADA and Instrmntn Supprt	0.00	150,000.00	150,000.00	0.00
5212 Contract Services Plant Process Consultant SPI	15,146.19	25,000.00	9,853.81	60.58
5230 Professional Services Other	0.00	40,000.00	40,000.00	0.00
5240 Laboratory Outside	153,158.42	150,000.00	(3,158.42)	102.11
5241 Laboratory IEUA	2,689.50	50,000.00	47,310.50	5.38
5250 Computer/Network System Maintenance	3,342.93	10,000.00	6,657.07	33.43
5260 Security Services	10,768.22	32,000.00	21,231.78	33.65
5261 Janitorial Services	3,027.25	6,000.00	2,972.75	50.45
5262 Landscaping/Weed and Pest Control	4,031.18	45,000.00	40,968.82	8.96
5291 Well Repair & Maintenance	155,811.94	400,000.00	244,188.06	38.95
<b>Total Professional Services</b>	<b>358,637.54</b>	<b>1,108,000.00</b>	<b>749,362.46</b>	<b>32.37</b>
<b>Chemicals</b>				
5310 Salt	329,998.20	636,000.00	306,001.80	51.89
5320 Threshold Inhibitor - Anti Scalant	59,281.73	150,000.00	90,718.27	39.52
5325 Soda Ash	0.00	0.00	0.00	0.00
5330 Sodium Hydroxide (Caustic)	23,503.07	35,000.00	11,496.93	67.15
5331 Sodium Hypochlorite	(1,125.00)	2,000.00	3,125.00	(56.25)
5332 Caustic Soda	0.00	0.00	0.00	0.00
5340 Sulfuric Acid	61,590.52	184,000.00	122,409.48	33.47
5350 Ammonia	5,624.94	18,000.00	12,375.06	31.25
5390 Other Chemicals	12,382.55	25,000.00	12,617.45	49.53
<b>Total Chemicals</b>	<b>491,256.01</b>	<b>1,050,000.00</b>	<b>558,743.99</b>	<b>46.79</b>
<b>Operating Fees **</b>				
5410 Permits and Licenses	19,585.09	45,000.00	25,414.91	43.52
5420 Volumetric Fees Wastewater **	295,806.01	845,856.00	550,049.99	34.97
5430 Strength Charges BOD/COD **	2,157.60	4,065.00	1,907.40	53.08
5435 Strength Charges TSS **	49,768.38	92,321.00	42,552.62	53.91
5445 Capacity Fees - Capital **	198,675.75	476,821.00	278,145.25	41.67
<b>Total Operating Fees</b>	<b>565,992.83</b>	<b>1,464,063.00</b>	<b>898,070.17</b>	<b>38.66</b>
<b>Utilities</b>				
5500 Electricity **	996,163.31	2,712,200.00	1,716,036.69	36.73
5510 Telephone/Network Communication Svcs	7,637.12	15,000.00	7,362.88	50.91
5520 Water	5,441.21	12,100.00	6,658.79	44.97
5530 Disposal Fees	2,566.78	2,500.00	(66.78)	102.67
5590 Other Utilities	2,364.90	6,000.00	3,635.10	39.42
<b>Total Utilities</b>	<b>1,014,173.32</b>	<b>2,747,800.00</b>	<b>1,733,626.68</b>	<b>36.91</b>
<b>Other Expenses</b>				
5910 Property Tax Mello Roos	2,054.91	1,700.00	(354.91)	120.88
<b>Total Other Exp</b>	<b>2,054.91</b>	<b>1,700.00</b>	<b>(354.91)</b>	<b>120.88</b>
<b>Total Operations &amp; Maintenance</b>	<b>3,279,360.07</b>	<b>8,112,811.00</b>	<b>4,833,450.93</b>	<b>40.42</b>
<b>Administration &amp; General</b>				
<b>Non Employee Compensation</b>				
<b>Compensation</b>				

\*\* Missing billing information for DEC 2019

**CONSOLIDATED BUDGET VARIANCE REPORT**  
**Chino Basin Desalter Authority**  
For 12/31/2019

Chino I	Y-T-D Actual	Y-T-D Budget	Variance	% of Use
<b>Benefits</b>				
<b>Recruitment</b>				
<b>Administration Exp</b>				
6700 Office Supplies - General	1,808.79	3,180.00	1,371.21	56.88
6705 Printing/Copying	192.32	550.00	357.68	34.97
6706 Office Equipment Lease	1,246.74	2,700.00	1,453.26	46.18
6715 Computer S/W Subscrp and Lic Fees	12,070.09	45,000.00	32,929.91	26.82
<b>Total Admin Exp</b>	<u>15,317.94</u>	<u>51,430.00</u>	<u>36,112.06</u>	<u>29.78</u>
<b>Professional Fees</b>				
<b>Finance</b>				
<b>Total Administration &amp; General</b>	<u>15,317.94</u>	<u>51,430.00</u>	<u>36,112.06</u>	<u>29.78</u>
<b>Total Expenses</b>	<u>3,294,678.01</u>	<u>8,164,241.00</u>	<u>4,869,562.99</u>	<u>40.35</u>

# CONSOLIDATED BUDGET VARIANCE REPORT

## Chino Basin Desalter Authority

### For 12/31/2019

Chino II	Y-T-D Actual	Y-T-D Budget	Variance	% of Use
<b>Revenues</b>				
<b>Total Revenues</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Expenses</b>				
<b>Operations &amp; Maintenance</b>				
<b>Outside Labor</b>				
5021 Contract Labor JCSD	1,130,018.73	1,897,724.00	767,705.27	59.55
5039 Contract Labor Admin JCSD	10,756.03	142,045.00	131,288.97	7.57
<b>Total Outside Labor</b>	<b>1,140,774.76</b>	<b>2,039,769.00</b>	<b>898,994.24</b>	<b>55.93</b>
<b>Materials &amp; Supplies</b>				
5110 Supplies General	99,175.21	300,000.00	200,824.79	33.06
5170 Equipment Less than \$5000	0.00	5,000.00	5,000.00	0.00
5175 Equip Lease/Rental	0.00	10,000.00	10,000.00	0.00
5180 Membrane Replacements	0.00	150,000.00	150,000.00	0.00
5185 Resin Replacements	181,092.00	150,000.00	(31,092.00)	120.73
<b>Total Materials &amp; Supplies</b>	<b>280,267.21</b>	<b>615,000.00</b>	<b>334,732.79</b>	<b>45.57</b>
<b>Professional Services</b>				
5210 Contract Services Labor & Material	318,746.85	220,000.00	(98,746.85)	144.88
5211 Contract Svcs SCADA and Instrmntn Supprt	3,825.00	200,000.00	196,175.00	1.91
5212 Contract Services Plant Process Consultant SPI	12,933.94	45,000.00	32,066.06	28.74
5230 Professional Services Other	12,885.66	100,000.00	87,114.34	12.89
5240 Laboratory Outside	89,096.05	130,000.00	40,903.95	68.54
5250 Computer/Network System Maintenance	0.00	37,000.00	37,000.00	0.00
5260 Security Services	7,577.27	35,000.00	27,422.73	21.65
5261 Janitorial Services	5,680.00	7,000.00	1,320.00	81.14
5291 Well Repair & Maintenance	208,515.84	400,000.00	191,484.16	52.13
5295 JCSD Transportation Fees	30,013.26	30,000.00	(13.26)	100.04
<b>Total Professional Services</b>	<b>689,273.87</b>	<b>1,204,000.00</b>	<b>514,726.13</b>	<b>57.25</b>
<b>Chemicals</b>				
5310 Salt	186,238.08	302,510.00	116,271.92	61.56
5315 Lime	26,819.89	416,830.00	390,010.11	6.43
5320 Threshold Inhibitor - Anti Scalant	22,519.79	162,000.00	139,480.21	13.90
5325 Soda Ash	44,380.39	920,480.00	876,099.61	4.82
5330 Sodium Hydroxide (Caustic)	208,413.07	2,025,349.00	1,816,935.93	10.29
5331 Sodium Hypochlorite	0.00	0.00	0.00	0.00
5332 Caustic Soda	0.00	0.00	0.00	0.00
5335 Polymer	21,337.54	125,000.00	103,662.46	17.07
5340 Sulfuric Acid	93,437.20	277,369.00	183,931.80	33.69
5344 Magnesium Chloride	777.59	324,120.00	323,342.41	0.24
5345 Ferric Chloride	0.00	15,695.00	15,695.00	0.00
5350 Ammonia	0.00	0.00	0.00	0.00
5355 Seed	1,335.25	61,000.00	59,664.75	2.19
5390 Other Chemicals	28,220.15	70,000.00	41,779.85	40.31
<b>Total Chemicals</b>	<b>633,478.95</b>	<b>4,700,353.00</b>	<b>4,066,874.05</b>	<b>13.48</b>
<b>Operating Fees **</b>				
5410 Permits and Licenses	16,417.00	20,000.00	3,583.00	82.09
5420 Volumetric Fees Wastewater **	215,158.05	334,818.00	119,659.95	64.26
5430 Strength Charges BOD/COD **	752.69	1,898.00	1,145.31	39.66
5435 Strength Charges TSS **	10,727.72	19,814.00	9,086.28	54.14
5445 Capacity Fees - Capital **	244,077.71	631,943.00	387,865.29	38.62
<b>Total Operating Fees</b>	<b>487,133.17</b>	<b>1,008,473.00</b>	<b>521,339.83</b>	<b>48.30</b>
<b>Utilities</b>				
5500 Electricity **	302,812.83	3,706,000.00	3,403,187.17	8.17
5510 Telephone/Network Communication Svcs	15,599.24	50,500.00	34,900.76	30.89
5511 Cell Phone	1,636.26	6,000.00	4,363.74	27.27
5520 Water	5,220.42	13,000.00	7,779.58	40.16
5530 Disposal Fees	1,767.90	6,540.00	4,772.10	27.03
5531 Clarifier Solids Disposal (Filter Cake)	60,630.45	300,000.00	239,369.55	20.21
5532 Pellet Disposal	7,202.31	85,801.00	78,598.69	8.39
<b>Total Utilities</b>	<b>394,869.41</b>	<b>4,167,841.00</b>	<b>3,772,971.59</b>	<b>9.47</b>
<b>Other Expenses</b>				
<b>Total Other Exp</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>Total Operations &amp; Maintenance</b>	<b>3,625,797.37</b>	<b>13,735,436.00</b>	<b>10,109,638.63</b>	<b>26.40</b>

\*\* Missing billing information for DEC 2019. For Electricity, Aug, Sep, Oct, Nov, Dec billings are missing-SCE is working on issue.



**CONSOLIDATED BUDGET VARIANCE REPORT**  
**Chino Basin Desalter Authority**  
For 12/31/2019

**Chino II**

	Y-T-D Actual	Y-T-D Budget	Variance	% of Use
<b>Administration &amp; General</b>				
<b>Non Employee Compensation</b>				
<b>Compensation</b>				
<b>Benefits</b>				
<b>Recruitment</b>				
<b>Administration Exp</b>				
6700 Office Supplies - General	1,663.39	3,000.00	1,336.61	55.45
6705 Printing/Copying	346.89	1,000.00	653.11	34.69
6706 Office Equipment Lease	1,246.68	3,000.00	1,753.32	41.56
6707 Computer Equipment	348.58	3,000.00	2,651.42	11.62
6715 Computer S/W Subscrp and Lic Fees	10,000.00	30,000.00	20,000.00	33.33
<b>Total Admin Exp</b>	<b>13,605.54</b>	<b>40,000.00</b>	<b>26,394.46</b>	<b>34.01</b>
<b>Professional Fees</b>				
<b>Finance</b>				
<b>Total Administration &amp; General</b>	<b>13,605.54</b>	<b>40,000.00</b>	<b>26,394.46</b>	<b>34.01</b>
<b>Total Expenses</b>	<b>3,639,402.91</b>	<b>13,775,436.00</b>	<b>10,136,033.09</b>	<b>26.42</b>



# **Technical Advisory Committee Meeting**

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## **Agenda Item**

### **No. 9**

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**Chino Basin Desalter Authority**  
**Board Meeting Agenda Items**

<b>February 6, 2020 Board Meeting (Special)</b>		<b>TAC</b>	<b>Finance</b>
Approval of Annual Financial Report	Garcia/CDA	1/14/2020	1/16/2020

<b>March 5, 2020 Board Meeting (Special)</b>		<b>TAC</b>	<b>Finance</b>
Well II-1 Property Exchange with Richland	O'Neill/CDA	2/11/2020	2/27/2020
Well II-1 Site Purchase and Sale	O'Neill/CDA	2/11/2020	2/27/2020
SAP - Phase 2 Pipeline	Miller/HS	2/25/2020	2/27/2020
SAP - Phase 3 Pipeline	Miller/HS	2/25/2020	2/27/2020
SAP - II-12 Drilling	Miller/HS	2/25/2020	2/27/2020
SAP - TRC Change Order #1	Miller/HS	2/11/2020	2/27/2020
Mid-Year Budget Review	Chung/CDA	2/11/2020	2/27/2020
Phase 3 Expansion Reconciliation of Costs	Garcia/CDA	2/11/2020	2/27/2020
Employee Manual	O'Neill/CDA	2/11/2020	2/27/2020
General Manager Contract (Closed Session)	Burns/SYCR	-	-

<b>April 2, 2020 Board Meeting (Regular)</b>		<b>TAC</b>	<b>Finance</b>
Quarterly Financial Reports	Garcia/CDA		3/26/2020
CDA Reconciliation of Costs	Garcia/CDA	3/10/2020	3/26/2020
SAP: Chino II Desalter Decarbonater Modifications	Miller/H&S		
Distribution of Excess Reserves	Garcia/CDA	3/10/2020	3/26/2020
Reserve Policy Review	Chung/CDA	3/10/2020	3/26/2020
GM Contract (Closed Session)		-	3/26/2020
GM Contract (Action Item)	Burns/SYCR	-	-
Quarterly Operations Report/Presentation	Minten/CDA	-	
Quarterly South Archibald Plume Report	Miller/H&S	-	

<b>FUTURE</b>	<b>TAC</b>	<b>Finance</b>	<b>Board</b>
Employee Manual			
O&M Agreement Update			



# **Technical Advisory Committee Meeting**

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## **Agenda Item**

### **No. 10**

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# *Chino Basin Desalter Authority*

## TAC Meeting Agenda Items

<b>February 11, 2020</b>
Meeting Minutes
Chino I Operations Report
Chino II Operations Report
Chino II - CRF Issues
Water Deliveries
Mid-Year Budget Review
Well II-1 Property Exchange with Richland
Well II-1 Site Purchase and Sale
Phase 3 Expansion Reconciliation of Costs
Employee Manual

<b>February 25, 2020</b>
Meeting Minutes
Chino I Operations Report
Chino II Operations Report
Chino II - CRF Issues
SAP - Phase 2 Pipeline
SAP - Phase 3 Pipeline
SAP - II-12 Drilling
SAP - TRC Change Order #1

<b>March 10, 2020</b>
Meeting Minutes
Chino I Operations Report
Chino II Operations Report
Chino II - CRF Issues
Water Deliveries
SAP: Chino II Desalter Decarbonater Modifications
CDA Reconciliation of Costs
Distribution of Excess Reserves
Reserve Policy Review

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