

**LINCOLN-SMD 1 WASTEWATER AUTHORITY  
AGENDA**

Regular Meeting of the Board of Directors

Lincoln City Hall, Third Floor Council Chambers  
600 Sixth Street, Lincoln, CA 95648

March 3, 2023, at 11:00 a.m.

The public may also observe and participate in the meeting via Zoom at the following  
videoconferencing link:

[https://us06web.zoom.us/webinar/register/WN\\_L2bYfOdARYiQxL2vDwckAQ](https://us06web.zoom.us/webinar/register/WN_L2bYfOdARYiQxL2vDwckAQ)

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**Board of Directors**

CITY OF LINCOLN

Dan Karleskint, Chair  
Holly Andreatta  
Paul Joiner, Alternate

COUNTY OF PLACER

Jim Holmes, Vice Chair  
Shanti Landon  
Cindy Gustafson, Alternate

**General Manager and Secretary**

George Barber

**PRELIMINARY MATTERS**

- A. CALL TO ORDER
- B. PLEDGE OF ALLEGIANCE
- C. ROLL CALL
- D. PUBLIC COMMENT ON NON-AGENDA ITEMS

*Any member of the public wishing to address the Board of Directors regarding items not on the Agenda within the Authority's subject matter jurisdiction should do so at this time. With respect to items on the Agenda, the Board will receive public comments at the time the item is opened for discussions, prior to any vote or other Board action. A three-minute time limit is requested. Please complete a speaker card and submit it to the General Manager at the meeting.*

**ACTION CALENDAR**

- 1. APPROVAL OF MINUTES – 02/03/23 Regular Meeting
- 2. OLD BUSINESS - REGULAR MEETING DATE AND TIME – Consider adoption of Resolution No. 2023-01 setting the date, time, and place of regular meetings.
- 3. GENERAL MANAGER'S REPORT AND UPDATE – A written and verbal report.

4. OPERATIONS REPORT AND UPDATE – A written and verbal report.
5. RATE SETTING PRESENTATION AND DISCUSSION– Review presentation and provide direction to staff.
6. TREATMENT PLANT EXPANSION PEER REVIEW – Consider approval of an additional task order for West Yost to complete a peer review of the treatment plant expansion plans and provide a recommendation on items to include in Phase I.
7. LEGAL REPORT - Counsel will provide a verbal report.
8. DIRECTORS COMMENTS

## **ADJOURNMENT**

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THE FOLLOWING INFORMATION IS PROVIDED TO ASSIST WITH PUBLIC PARTICIPATION:

Americans with Disabilities Act (ADA): In compliance with the ADA, if you need special assistance to participate in this meeting or other services in conjunction with this meeting, please contact the Lincoln City Clerk's Office at (916) 434-2490. The meeting room is wheelchair accessible and disabled parking is available. Notification at least 24 hours prior to the meeting or time when services are needed will assist staff in assuring reasonable arrangements can be made to provide accessibility to the meeting or service.

Agenda Availability: The main posting location of the LiSWA Agenda is on the public kiosk outside the entrance of Lincoln City Hall, 600 6th Street, Lincoln, California. Agenda Packets are available for review at the Lincoln City Clerk's Office, 600 6th Street, Lincoln, California.

**LINCOLN-SMD 1 WASTEWATER AUTHORITY**  
**Board Meeting Minutes**

Regular Meeting of the Board of Directors

February 3, 2022, at 11:00 a.m.

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**PRELIMINARY MATTERS**

- A. CALL TO ORDER – *The meeting was called to order at 11:00 am.*
- B. PLEDGE OF ALLEGIANCE -*The pledge was led by Director Holmes.*

*The Oath of Office was administered to Shanti Landon, newly appointed director from Placer County.*

- C. ROLL CALL

*Dan Karleskint, Chair  
Jim Holmes, Vice Chair  
Holly Andreatta, Director  
Shanti Landon, Director*

*Staff present:  
George Barber, GM/Secretary  
Wesley Miliband, Legal Counsel*

- D. PUBLIC COMMENT ON NON-AGENDA ITEMS

*There were no public comments on non-agenda items.*

**ACTION CALENDAR**

- 1. APPROVAL OF MINUTES – 01/06/23 Regular Meeting

*Motion to approve by Director Andreatta, Second by Director Holmes, Approved 3-0 Director Landon abstained.*

- 2. GENERAL MANAGER'S REPORT AND UPDATE – *A written and verbal report was provided.*

- 3. OPERATIONS REPORT AND UPDATE – *A written and verbal report was provided by Gary Hengst, Chief Operator, Board questions were answered.*

*ITEM 9 LEGAL REPORT was moved up to here to introduce Wesley Miliband to the Board and the public. – Board welcomed him. Nothing further to report.*

4. INSURANCE FOR LiSWA – Consider authorization to the General Manager to execute the necessary documentation to obtain insurance services for LiSWA.

Comment by Lincoln City Manager that they are looking at options to assist finding coverage.

Motion to authorize the General Manager to execute the necessary agreements with Alliant Insurance in an amount not to exceed \$275,000 was made by Director Holmes Second by Director Landon, Approved 4-0.

5. MUNICIPAL FINANCE ADVISOR– Consider authorization to the General Manager to execute an engagement letter from Fieldman, Rolapp & Associates, Inc..

Motion to authorize the General Manager to execute an engagement letter with Fieldman, Rolapp & Associates in an amount not to exceed \$19,750 by Director Holmes, Seconded by Director Andreatta, Approved 4-0.

6. APPROVAL OF BUDGET – Consider adoption of LiSWA initial budget.

Motion to approved Budget as amended for additional costs of insurance by Director Landon, Seconded by Director Holmes, Approved 4-0.

7. REGULAR MEETING DATE AND TIME – Consider adoption of Resolution No. 2023-01 setting the date, time, and place of regular meetings.

After discussion this item was continued to the next regular meeting.

8. ALTERNATE GENERAL MANAGER AND SECRETARY - Discussion and direction in consideration of an alternate for General Manager and Secretary.

Jim Mulligan of West Yost introduced himself to the Board and will serve as the alternate to the General Manager.

9. LEGAL REPORT - Counsel will provide a verbal report. Moved to after Item 3.

10. CLOSED SESSION MATTERS - None

11. RECONVENE IN OPEN SESSION AND REPORT OUT IF NECESSARY- None necessary.

12. DIRECTORS COMMENTS – Directors provided comments on the progress of actions.

**ADJOURNMENT** – The meeting was adjourned at 11:53 am.

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## Lincoln-SMD1 Wastewater Authority

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### Memorandum

To: Board of Directors  
From: George Barber, General Manager  
Date: 03/03/23 Regular Board Meeting  
SUBJECT: Old Business - Date and Time of Regular Board Meetings

This item was discussed at our last meeting and it was decided to continue to the next meeting after Directors had a chance to review their calendars.

The discussion seemed to lead to Fridays still being the preferred day of the week. If the meeting was moved to the 2<sup>nd</sup> Friday of the month, we would have time to provide a bit more timely treatment plant production information.

I would ask the Board to consider a start time of 10:00 am rather than 11:00 as this would better accommodate my Friday travel.

#### Staff Recommendation:

“Approval to adopt Resolution No. 2023-1 setting the date, time and place of regular Lincoln-SMD1 Wastewater Authority Board meetings on \_\_\_\_\_ at Lincoln City Hall, 600 6<sup>th</sup> St. Lincoln CA 95648.”

**Lincoln-SMD 1 Wastewater Authority**  
**Resolution No. 2023-1**  
**Resolution of the Board of Directors**  
**Setting the Date, Time, and Place of Regular Meetings**  
**of the Board of Directors**

The Ralph M. Brown Act, California Government Code § 54954, requires each legislative body of a local agency, as defined, to adopt a resolution specifying the time and place of regular meetings.

The Lincoln-SMD 1 Wastewater Authority ("**Authority**") is a local agency, and pursuant to its Joint Powers Agreement and the Brown Act, the Board of Directors ("**Board**") must establish by resolution the date, time, and place of its regular meetings.

The Authority intends by this Resolution to specify the date, time, and place of its regular meetings.

The Board of Directors of the Lincoln-SMD 1 Wastewater Authority therefore resolves as follows:

Section 1. Regular meetings of the Board of Directors of the Lincoln-SMD 1 Wastewater Authority will be held on the \_\_\_\_\_ at \_\_\_\_\_, at Lincoln City Hall, 600 6<sup>th</sup> St, Lincoln, CA 95648.

Section 2. Regular meetings that would otherwise occur on a state holiday, as set forth in California Government Code section 6700, will be held at \_\_\_\_\_ on the following \_\_\_\_\_.

Section 3. This Resolution is effective upon its adoption, and may be amended from time to time by the Board of Directors.

Regularly passed and adopted on March 3, 2023, by the following vote:

Ayes: Dan Karleskindt, Jim Holmes, Holly Andreatta, and Shanti Landon

Noes:

Absent:

\_\_\_\_\_  
Chair, Lincoln-SMD 1 Wastewater Authority

\_\_\_\_\_  
Attest  
Secretary

# Lincoln-SMD1 Wastewater Authority

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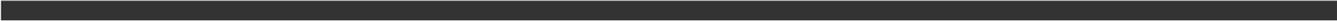
## Memorandum

To: Board of Directors  
From: George Barber, General Manager  
Date: 03/03/23 Regular Board Meeting  
SUBJECT: General Manager's Report

- My top priority for February has been focused on WWTRF expansion and EDU rate analysis.
- We continue to work on the transition. I am meeting with the transition advisory group twice a month to cover any issue necessary during the transition.
- Work is ongoing on the setting of the LiSWA rate per EDU. I met with our Municipal Financial Advisor, and they assisted on bringing the financial analysis tool up to date. This tool you will see in the agenda item.
- Meetings, phone calls and emails have been ongoing regarding the expansion of the WWTRF.
- Stantec is reviewing the impact of new temperature requirements for the waste discharge permit with the Central Valley Regional Water Quality Control Board, including the change in ownership.
- We now have access to the Workday Financial System; we are setting up training and the Lincoln Finance Director is working with Placer County Treasurer on the transfer of funds. The City will continue to pay the bills until LiSWA is set up to pay bills. After that, we will reconcile the financials.
- I have started the development of the Draft Policy and Procedures Manual. I will continue to work on this as time allows.
- I am getting assistance from the West Yost Marketing team to develop a few options for a logo for you to consider.
- I would appreciate some guidance on the Board's desire to pursue a Board Compensation Policy. It is my understanding Board members can receive compensation for serving on the Board.
- You met Jim Mulligan from West Yost at the last meeting. You will see him attend Board meetings from time to time, but that will not be a charge to LiSWA.

Item	Status	Working with	Notes
<b>Financial</b>			
Develop and Approve Budget	Completed	Lincoln Finance	Initial Budget Adopted
Develop process for paying bills with Placer County Treasurer/Auditor	pending	Placer	Access to Workday, setting up training
Set Rate per EDU	pending		On Agenda for March
Transfer Funds to County	pending	Lincoln Finance	In process

Establish EDU count at transfer and process for updating	pending	Lincoln	Awaiting City Data
West Yost Billing approval process	Completed		First Bill sent out, waiting for ability to pay.
Procurement Policy	pending		
Debt Management Policy	pending		
Investment Policy	pending		
Select Municipal Financial Advisor	pending		
Reserve Policy	pending		
Obtain Insurance	pending		Finalizing Property List
<b>Property Transfers</b>			
Wastewater Treatment Plant	pending	Lincoln Admin	
Conservation Easement	pending	Lincoln Admin	
Pipelines	pending	Lincoln PW	
Business Property	pending	Lincoln Admin	
Vehicles	pending	Lincoln PW	List being developed
Equipment	pending	Lincoln PW	List being developed
Fixtures	pending	Lincoln PW	List being developed
Supplies	pending	Lincoln PW	List being developed
<b>Operations Transfers</b>			
Stantec Operations Agreement	pending	Lincoln Admin	
NPDES Permit	In process		
Solar Star Power Purchase Agreement	pending	Lincoln Admin	
Solar Star Site Lease Agreement	pending	Lincoln Admin	
Machado Recycled Water Agreement	pending	Lincoln Admin	
Farm Management of Effluent Disposal Lands Auburn Ravine Ranch	pending	Lincoln Admin	
Western Placer Waste Management Authority Agreement	pending	Lincoln Admin	
Radmall Lease	pending	Lincoln Admin	
Utility Services	pending	Lincoln Admin	
Alarm systems	pending	Lincoln Admin	
Ensure proper transfer of SMD1 duties	pending	Stantec	
<b>Other</b>			
Logo, Letterhead, etc.	In process		



Website	In process		
City of Lincoln Admin/IT services	In process		
Board Compensation Policy	pending		

## February 2023 WWTRF Operations Report

3-3-23

### Highlights

-February Raw Influent and Final Effluent flow will be about half the volume treated and discharged in January.

-North Solar Drier (greenhouse) biosolids were sent to landfill disposal this month and new dewatering tubes were put on-line. South Solar Dryer entered drying phase.

-The new solar dryer process is estimated to be saving over \$80,000/year in disposal, electrical and polymer savings. It also delays construction of a multimillion-dollar solids holding tank. Photos of the process are provided below.

-The new automatic transfer switch controls were successfully installed and tested. The switch transfers power between PG&E and the plant Generator.

### Compliance

Facility is in full compliance. There have been **no** violations that could result in fines this year.

<b>Major Equipment Out of Service</b>						
<b>Equipment</b>	<b>Failure Date</b>	<b>Redundancy</b>	<b>Problem</b>	<b>Solution</b>	<b>Estimated Repair Cost</b>	<b>Estimated Return to Service Date</b>
Andritz Headwork Screen	1/14/2023	1 of 2 (plus manual screen)	Faulty motor has been repaired and installed. Other parts on order to repair worn compactor while off-line.	Waiting on parts	\$4,000	3/15/2023
North and South Solar Drier roof replacement	12/31/2022	2 of 2	roof panels blew off	Roofing Material is on order.	\$77,000	4/1/2023
Warm Springs Sump Pump #3	1/9/2023	1 of 1	Seal failure	Pump has been repaired. Temporary pump still in place. Correcting additional wiring issues in the wetwell.	\$5,000	2/17/2023
Influent Pump 1B	2/16/2023	1 of 6	Seal failure	Found seal failure during routine maintenance. Pump at shop being repaired.	\$2,000	3/17/2023

1. New Dewatering Bags going on-line



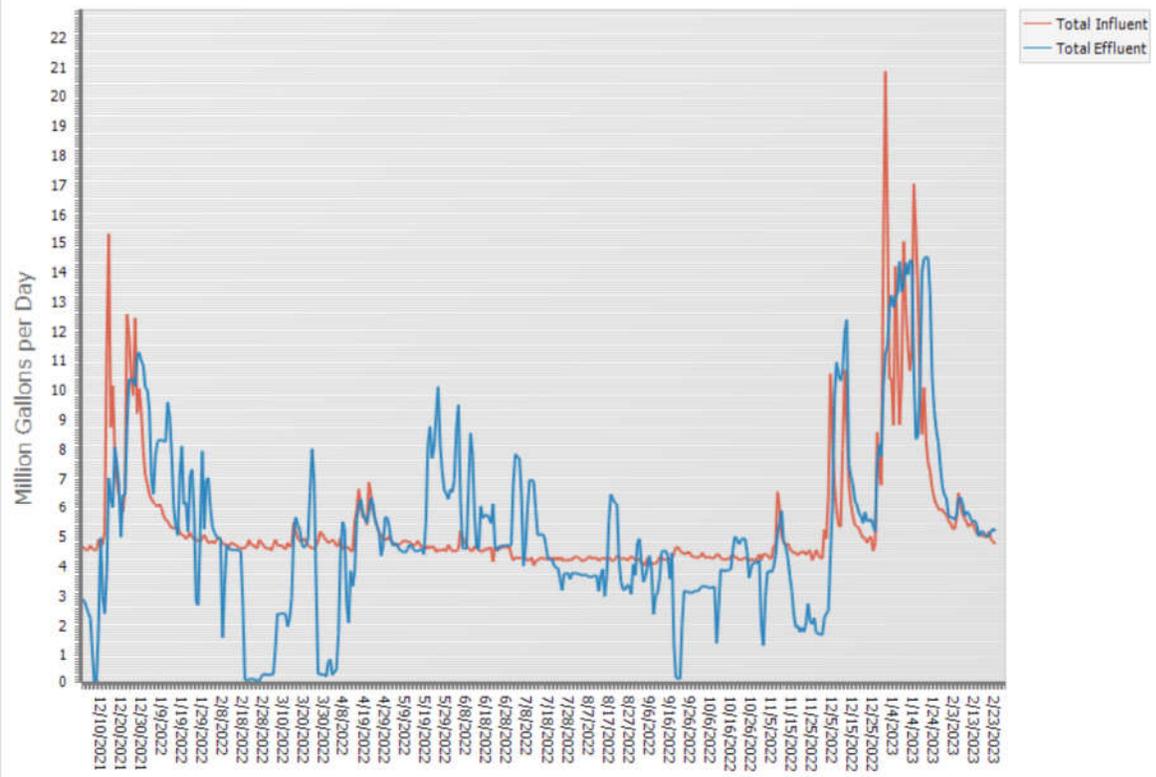
2. Full dewatering bags ready for drying.



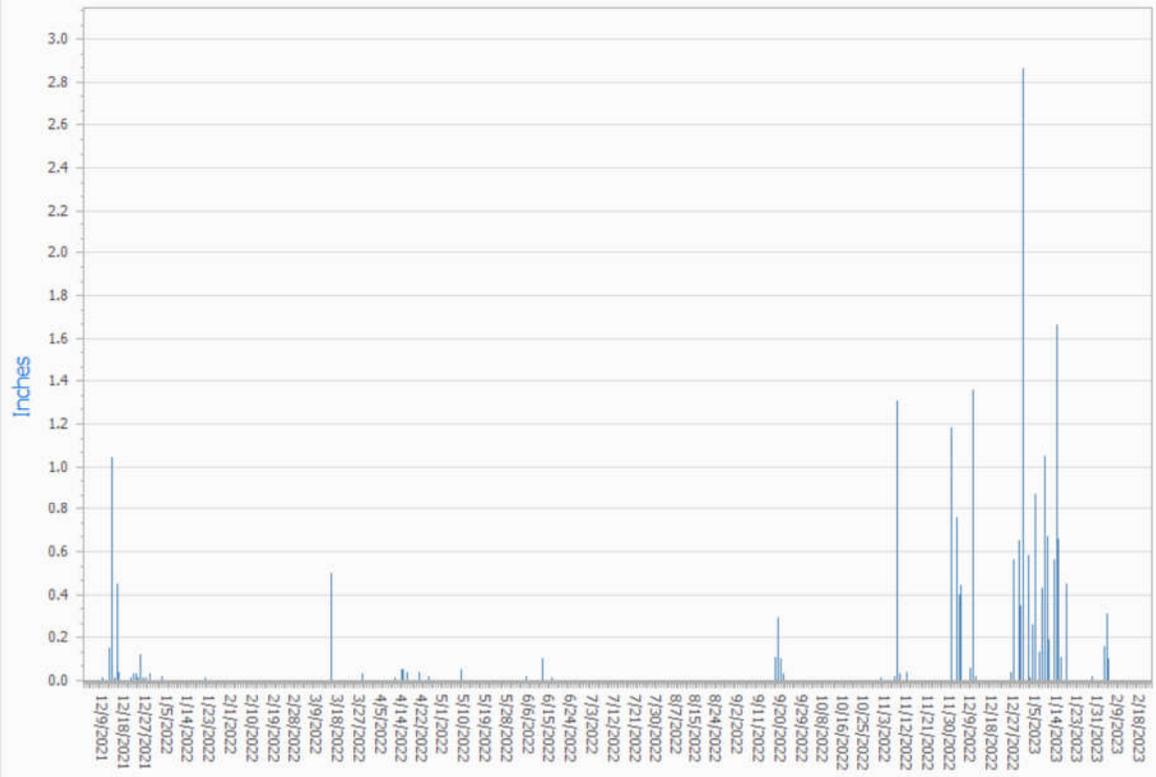
3. Bags removed and biosolids drying with “moles” turning over material.



### Total Treatment Plant Flow



### Daily Rainfall Totals



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## Lincoln-SMD1 Wastewater Authority

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### Memorandum

To: Board of Directors  
From: George Barber, General Manager  
Date: 03/03/23 Regular Board Meeting  
SUBJECT: Rate Setting Presentation and Discussion

One of the key decisions that has to be made is for LiSWA to set it per EDU rate for the City and the County. I felt it appropriate to have a presentation and discussion first, then have a decision on the Agenda at the next regular Board Meeting.

Our Municipal Financial Advisor assisted me with updating the financial analysis tool that was used during the formation of LiSWA. The result of that tool is attached to this agenda item.

For the purpose of the analysis, I created an estimate for Phase I of my current recommendation of what should be included. This is subject to change based upon the result of the peer review agenda item.

The analysis provides for an operation's only rate or a rate including projected debt service. There needs to be a decision on including debt service in the rate or not even though we have yet to incur debt.

If we were to include debt, we could dedicate that additional amount to a reserve fund that would be required for debt service reserving, then make an adjustment when have finalized the debt we are seeking.

I have asked our Municipal Advisor Team, Fieldman, Rolapp and Associates to join us via zoom to introduce themselves, provide some background and answer any questions you may have.

Also included for your information is the Phase I Estimate and the result from the previous financial analysis during the formation of LiSWA.

<b>LiSWA Financial Analysis</b>						
	<b>Adopted</b>					
<b>EXPENDITURES</b>	<b>Budget</b>	<b>Budget</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>
	<b>FYE 2023</b>	<b>FYE 2024</b>	<b>FYE 2025</b>	<b>FYE 2026</b>	<b>FYE 2027</b>	<b>FYE 2028</b>
JPA Board members (\$200/member/mtg/mo)	-	-	-	-	-	-
OTHER STAFF (includes Admin Allocation)						
RENTS AND LEASES - PROPERTY	-	-	-	-	-	-
RENTS AND LEASES - LAND	57,400	57,400	57,400	57,400	57,400	57,400
COMPUTERS AND SOFTWARE						
Cyber security/VPN	10,000	10,300	10,609	10,927	11,255	11,593
Subscriptions (microsoft, adobe, etc.)	5,000	5,150	5,305	5,464	5,628	5,796
Internet (air fiber connection)	8,000	8,240	8,487	8,742	9,004	9,274
OFFICE EQUIPMENT (printers, phone system, etc.)	-				2,000	2,000
UTILITIES	1,691,000	1,741,730	1,793,982	1,847,801	1,903,235	1,960,332
MATERIALS/SUPPLIES		-	-	-	-	-
FUEL & OIL	8,800	9,064	9,336	9,616	9,904	10,202
CLOTHING	-	-	-	-	-	-
MAINTENANCE-JANITORIAL	-	-	-	-	-	-
COMMUNICATION		-	-	-	-	-
ADVERTISING/OUTREACH	7,500	7,725	7,957	8,195	8,441	8,695
Website	500	515	530	546	563	580
LEGAL FEES	-	20,000	20,000	20,000	20,000	20,000
CONSULTANT SERVICES						
GM Services - West Yost	375,000	375,000	386,250	397,838	409,773	422,066
Accounting/Audit- Placer County	5,000	5,150	5,305	5,464	5,628	5,796
Operations Contract	5,470,955	5,635,084	5,804,136	5,978,260	6,157,608	6,342,336
Engineering	100,000	103,000	106,090	109,273	112,551	115,927
City Of Lincoln IT Services	70,000	72,100	74,263	76,491	78,786	81,149
Other general contract services	100,000	103,000	106,090	109,273	112,551	115,927
TRAVEL/MEETINGS	-	5,000	5,150	5,305	5,464	5,628
EQUIPMENT REPAIR/MAINT	5,000	5,150	5,305	5,464	5,628	5,796
FLEET MAINTENANCE	20,000	20,600	21,218	21,855	22,510	23,185
PRINTING/COPIES/POSTAGE/SUPPLIES	1,000	1,030	1,061	1,093	1,126	1,159
MEMBERSHIP DUES	1,000	1,030	1,061	1,093	1,126	1,159
INSURANCE	275,000	283,250	291,748	300,500	309,515	318,800
REGULATORY FEES	85,000	87,550	90,177	92,882	95,668	98,538
Rounding	3,845					
<b>TOTAL O &amp; M EXPENDITURES-----</b>	<b>8,300,000</b>	<b>8,557,068</b>	<b>8,811,458</b>	<b>9,073,479</b>	<b>9,345,362</b>	<b>9,623,341</b>
APPROPRIATION FOR CONTINGENCIES						
CHEMICAL TREATMENT for order control						
CAPITAL PROJECTS (annual ave. excluding expansion)	948,965	948,965	948,965	948,965	948,965	9,156,532
ORDER CONTROL FACILITY (not currently used)						
DEBT (Phase 1 & 2, Scenario 1)	1,401,627	1,400,350	1,399,950	1,403,725	3,216,475	3,218,250
<b>TOTAL EXPENDITURES-----</b>	<b>10,650,591</b>	<b>10,906,382</b>	<b>11,160,372</b>	<b>11,426,169</b>	<b>13,510,801</b>	<b>21,998,123</b>
<b>DEBT SERVICE COVERAGE AMOUNT (est for year 1 onl</b>	<b>\$ 650,000.00</b>	<b>\$ -</b>				
<b>TOTAL EDUs-----</b>	<b>30,532</b>	<b>30,837</b>	<b>31,146</b>	<b>31,457</b>	<b>31,772</b>	<b>32,089</b>
<b>RATE PER EDU PER MONTH WITH DEBT-----</b>	<b>\$ 30.84</b>	<b>\$ 31.77</b>	<b>\$ 32.72</b>	<b>\$ 33.70</b>	<b>\$ 34.71</b>	<b>\$ 35.76</b>
<b>INFLATION FACTOR-----</b>		<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>
<b>ESTIMATED REVENUES-----</b>	<b>11,300,591</b>	<b>11,756,005</b>	<b>12,229,772</b>	<b>12,722,632</b>	<b>13,235,354</b>	<b>13,768,739</b>
<b>RATE PER EDU PER MONTH W/O DEBT</b>	<b>\$ 25.24</b>					
<b>ESTIMATED REVENUES W/O DEBT-----</b>	<b>\$ 9,248,965</b>					

City of Lincoln  
 WWTRF Expansion Phase 1 and 2 Opinions of Probable Cost

Item  Mgal/d	Costs per February 2023 Site, Yard and E&I Cost Distributed (except TSB)	
	Phase 1	Phase 2
Influent Pump Station	\$ -	\$ 402,321
Headworks - Grit Removal	\$ 2,314,616	\$ -
Oxidation Ditch Splitter Box		\$ 64,886
Oxidation Ditches		\$ 17,356,735
Secondary Clarifiers	\$ -	\$ 10,081,697
RAS Pump Station	\$ -	\$ 529,004
Maturation Pond Outlet Facilities	\$ 1,663,674	\$ -
Dissolved Air Floatation Clarifiers	\$ 4,315,557	
DAF Splitter Box	\$ 417,635	
DAF Float Pump Station	\$ 1,517,405	
DAF Recirculation Pump Station & Compressor	\$ 97,448	
Filter Feed Pump Station	\$ 270,331	\$ -
Tertiary Filters	\$ 4,482,610	
UV Disinfection	\$ 1,780,774	\$ -
Chemical Facilities	\$ -	\$ 139,212
Solids Holding Tank	\$ 347,790	\$ -
Effluent Storage and Ancillary		\$ 11,526,804
Reclamation Filter & Chlorination Facility	\$ 1,350,992	\$ -
General Site Work		
Yard Piping and Appurtences		
Electrical & Instrumentation (incl. SCADA)		
Total Construction (rounded)	\$ 18,558,832	\$ 40,100,659
Total (rounded)	\$ 58,659,491	

(a) ENR 20-Cities Construction Cost Index (CCI) of 13,176.

## Budget For JPA Expenses

<b>EXPENDITURES</b>		<b>Budget</b>	<b>Budget</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>	<b>Projected</b>
		<b>FYE 2023</b>	<b>FYE 2024</b>	<b>FYE 2025</b>	<b>FYE 2026</b>	<b>FYE 2027</b>	<b>FYE 2028</b>
	JPA Board members (\$200/member/mtg/mo)	19,200	19,200	19,200	19,200	19,200	19,200
	OTHER STAFF (includes Admin Allocation)						
52450	RENTS AND LEASES - PROPERTY	1,200	1,236	1,273	1,311	1,351	1,391
	RENTS AND LEASES - LAND	57,400	57,400	57,400	57,400	57,400	57,400
	COMPUTERS AND SOFTWARE						
	Cyber security/VPN	10,000	10,300	10,609	10,927	11,255	11,593
52240	Subscriptions (microsoft, adobe, etc.)	5,000	5,150	5,305	5,464	5,628	5,796
52800	Internet (air fiber connection)	7,800	8,034	8,275	8,523	8,779	9,042
52440	OFFICE EQUIPMENT (printers, phone system, etc.)	10,000				2,000	2,000
52800	UTILITIES	1,640,965	1,690,193	1,740,899	1,793,126	1,846,920	1,902,328
52160	MATERIALS/SUPPLIES	5,000	5,150	5,305	5,464	5,628	5,796
52170	FUEL & OIL	8,800	9,064	9,336	9,616	9,904	10,202
	CLOTHING	-	-	-	-	-	-
52190	MAINTENANCE-JANITORIAL	-	-	-	-	-	-
52040	COMMUNICATION	7,188	7,404	7,626	7,855	8,091	8,333
52570	ADVERTISING/OUTREACH	7,500	7,725	7,957	8,195	8,441	8,695
52370	LEGAL FEES	25,000	20,000	20,000	20,000	20,000	20,000
52360	CONSULTANT SERVICES						
52360	GM Services (TBD)	375,000	375,000	386,250	397,838	409,773	422,066
52360	Accounting Services (Eide Bailly)	2,500	2,500	2,500	2,500	2,500	2,500
52360	Audit Services	20,000	20,000	20,000	20,000	20,000	20,000
52380	Operations Contract	4,700,000	4,841,000	4,986,230	5,135,817	5,289,891	5,448,588
52380	Engineering	100,000	103,000	106,090	109,273	112,551	115,927
52308	R&R	500,000	515,000	530,450	546,364	562,754	579,637
52400	IT Business Services	96,000	96,000	96,000	96,000	96,000	96,000
52360	Other general contract services	60,000	50,000	50,000	50,000	50,000	50,000
52790	TRAVEL/MEETINGS	-	5,000	5,000	5,000	5,000	5,000
52160	EQUIPMENT REPAIR/MAINT	2,446	2,520	2,595	2,673	2,754	2,836
52160	FLEET MAINTENANCE	19,545	20,131	20,735	21,357	21,998	22,658
52320	PRINTING/COPIES/POSTAGE/SUPPLIES	1,000	1,030	1,061	1,093	1,126	1,159
52240	MEMBERSHIP DUES	-	-	-	-	-	-
	INSURANCE	70,000	72,100	74,263	76,491	78,786	81,149
53190	REGULATORY FEES	85,000	87,550	90,177	92,882	95,668	98,538
<b>TOTAL O &amp; M EXPENDITURES-----</b>		<b>7,836,544</b>	<b>8,031,688</b>	<b>8,264,535</b>	<b>8,504,368</b>	<b>8,753,396</b>	<b>9,007,835</b>
APPROPRIATION FOR CONTINGENCIES							
CHEMICAL TREATMENT for order control							
CAPITAL PROJECTS (annual ave. excludng expansion)		532,000	532,000	532,000	532,000	532,000	500,000
ORDER CONTROL FACILITY (not currently used)							
DEBT (Phase 1 & 2, Scenario 1)		3,191,906	3,191,450	3,191,250	3,194,125	5,004,875	5,008,550
<b>TOTAL EXPENDITURES-----</b>		<b>11,560,450</b>	<b>11,755,138</b>	<b>11,987,785</b>	<b>12,230,493</b>	<b>14,290,271</b>	<b>14,516,385</b>
<b>DEBT SERVICE COVERAGE AMOUNT (est for year 1 only \$</b>		<b>650,000.00</b>	<b>\$ -</b>				
<b>TOTAL EDUs-----</b>		<b>29,362</b>	<b>29,656</b>	<b>29,952</b>	<b>30,252</b>	<b>30,554</b>	<b>30,860</b>
<b>RATE PER EDU PER MONTH-----</b>		<b>\$ 34.65</b>	<b>\$ 35.69</b>	<b>\$ 36.77</b>	<b>\$ 37.87</b>	<b>\$ 39.00</b>	<b>\$ 40.17</b>
<b>INFLATION FACTOR-----</b>			<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>	<b>3.00%</b>
<b>ESTIMATED REVENUES-----</b>		<b>12,210,450</b>	<b>12,702,531</b>	<b>13,214,443</b>	<b>13,746,985</b>	<b>14,300,989</b>	<b>14,877,319</b>

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## Lincoln-SMD1 Wastewater Authority

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### Memorandum

To: Board of Directors  
From: George Barber, General Manager  
Date: 03/03/23 Regular Board Meeting  
SUBJECT: Consider Peer Review and Recommendation for Plant Expansion

I have spent time meeting, discussing, and reviewing the expansion plans for the WWTRF. One of my goals for LiSWA is to determine the appropriate Phase I plan for expansion. We want to make every effort to build the right project.

Stantec operations and engineering have been very helpful and supportive with information. A few items have caused a review of the plans and impacts what should be included in Phase I:

- The significant storm event experienced earlier this year
- A change in temperature requirements in our NPDES permits
- Dissolved Air Floatation Clarifiers operational changes
- BOD measurements have dropped significantly

#### Storm Event

Stantec engineers reviewed this along with other storm events and their findings suggest additional storage should be considered. We would have survived the storm event without the use of emergency storage except for pump failures that were not related to the volume of the storm event. I believe before investing in additional storage, a more comprehensive review of operations is needed as our ability to dispose of treated water is related to the amount of storage necessary. I am supportive of improvements to the Maturation Pond which will allow more use of the existing ponds without constructing additional storage.

#### Temperature Requirements

The NPDES discharge permit has just been renewed. The change going forward is related to the temperature of the receiving water and how our discharge impacts it. Stantec is in the process of reviewing temperature data to see how it related to the new permit.

#### Dissolved Air Floatation Clarifiers (DAF)

The original plan of the plant had two DAF that could treat water from the Maturation Pond before filtration and disinfection or from the Treated Water Storage Ponds that cleaned up algae prior to leaving the plant. There was an operations violation in the past that discharged unfiltered and non-disinfected water into

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the creek. To satisfy the concerns of the Regional Water Quality Control Board, it was decided that the two DAF be isolated so each one was dedicated to a single purpose. There are additional DAF planned for the expansion and they cost in the millions of dollars. I asked if we could add some engineering controls and regain the operational flexibility, Stantec has made an initial inquiry with the regional board, and it is possible we can pursue this.

### BOD Measurements

Since the original phase I expansion plan were developed, there has been a significant downward trend of BOD measurements. Biological oxygen demand (BOD) is used as an index of the degree of organic pollution in the water. There was a previous increase in BOD leading up to the original design, which drives the need for Oxidation Ditches and Clarifiers.

### Current Expansion Thoughts

I understand that making improvements to the treatment plant is a priority, but I feel it is most important to build the correct project. I think the drop in BOD provides us with an opportunity to take time to review the current plans and evaluate the best options for moving forward. I do not want the impression I may be looking for more work for West Yost, I think it is appropriate for our current contract to provide professional guidance for the Board.

Prior to finalizing the previous plans for expansion, West Yost was asked to peer review the project and provide input. That work was completed by Kathryn Geis and she is up to speed on the plant and the expansion options. While this work could go to through a competitive process, it will take additional time. I also believe this work supports the current contract with West Yost to assist LiSWA by providing professional guidance. I have discussed this with Kathryn and as she is familiar with the project and the facility, she estimates the study would not exceed \$50,000.

### Staff Recommendation:

“Approval to authorize an amendment to the agreement with West Yost Associates for a peer review of the WWRTF expansion plans in an amount not to exceed \$50,000.”

