

ITEM 4.14

CITY MANAGER'S REPORT APRIL 10, 2023 CITY COUNCIL REGULAR MEETING

ITEM: APPROVE PURCHASE FROM ZIMA CORPORATION FOR HEADWORKS EQUIPMENT FOR THE CONSOLIDATED TREATMENT FACILITY PHASE 3 EXPANSION, CIP WW 22-38 AND APPROVE BUDGET AMENDMENT

RECOMMENDATION: Adopt Resolution Approving a Purchase from Zima Corporation for Headworks Equipment for the Consolidated Treatment Facility Phase 3 Expansion, CIP WW 22-38 and Approve Budget Amendment

SUMMARY:

The Lathrop Consolidated Treatment Facility Phase 3 Expansion (LCTF Phase 3 Expansion) Project is necessary to provide additional wastewater treatment capacity to support new development. On November 8, 2021, Council approved the creation of Capital Improvement Project (CIP) WW 22-38 LCTF Phase 3 Expansion and approved a Professional Services Agreement (PSA) with PACE to provide engineering consulting services for the design of the project.

PACE has completed the preliminary design and staff is requesting that City Council approve the pre-purchase of headworks equipment from the Zima Corporation for a cost of \$1,513,662. This equipment is from the same vendor for the existing headworks equipment and the proposed purchase is an extension of that facility. It is critical for the operation and maintenance of the LCTF that the equipment be from the same vendor. In accordance with Lathrop Municipal Code (LMC) section 2.36.110, this purchase is considered a "sole source" and is exempt from bidding procedures.

Sufficient funds were not included in the adopted Fiscal Year (FY) 22/23 Budget; therefore, staff also requests Council approve a budget amendment allocating \$1,513,662 of the Wastewater Connection Fee Fund 6030 to fund the purchase. Staff also requests City Council authorize a 10% contingency of \$151,366 for a total cost not to exceed \$1,665,028.

BACKGROUND:

On November 8, Council approved the creation of Capital Improvement Project (CIP) WW 22-38 LCTF Phase 3 Expansion and awarded a Professional Services Agreement (PSA) with PACE to provide engineering consulting services for the design of the project. At the time, staff recommended initiating design and concurrently working with the development community on the project funding agreement which will reimburse the City for fronting the design costs and pre-purchase of equipment.

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PACE has completed the design and staff is requesting that City Council approve the pre-purchase of headworks equipment from the Zima Corporation for a cost of \$1,513,662. This equipment is from the same vendor for the equipment installed at the headworks for the LCTF Phase 2 Expansion.

CEQA STATUS: The Proposed Project falls within the scope of the previously Certified Environmental Impact Report (EIR) (SCH# 2019029106) for the Lathrop Integrated Water Resources Master Plan (IWRMP). Therefore, no further environmental review is necessary.

REASON FOR RECOMMENDATION:

The LCTF Phase 3 Expansion Project is needed to provide additional wastewater treatment capacity needed to support new development. PACE has completed the project design, and staff is requesting that City Council approve the pre-purchase of headworks equipment from the Zima Corporation for a cost of \$1,513,662, plus a 10% contingency.

FISCAL IMPACT:

Sufficient funds were not included in the adopted Fiscal Year (FY) 22/23 Budget for this purchase, therefore, staff is also requesting that Council approve a budget amendment allocating \$1,513,662, plus a 10% contingency of \$151,366 for a total not to exceed \$1,665,028 of the Wastewater Connection Fee Fund 6030 for the proposed project pre-purchase the headworks equipment for the LCTF Phase 3 Expansion CIP WW 22-38 as follows:

Increase Transfers Out 6030-99-00-990-90-10		\$1,665,028
Increase Transfers In 6090-99-00-393-00-00	WW 22-38	\$1,665,028
Increase Expenditures 6090-80-00-420-12-00	WW 22-38	\$1,665,028

ATTACHMENTS:

- A. Resolution to Approve Purchase from Zima Corporation for Headworks Equipment for the Consolidated Treatment Facility Phase 3 Expansion, CIP WW 22-38 and Approve Budget Amendment
- B. Proposal from Zima Corporation for Headworks Equipment for the Consolidated Treatment Facility Phase 3 Expansion, CIP WW 22-38

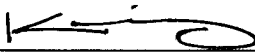
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APPROVALS:



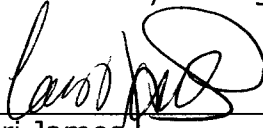
Ken Reed
Senior Construction Manager

4-3-2023
Date



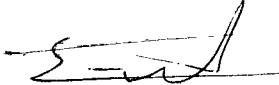
Michael King
Assistant City Manager

3.30.2023
Date




Cari James
Finance Director

4/3/2023
Date



Salvador Navarrete
City Attorney

3.30.2023
Date



Stephen J. Salvatore
City Manager

4.4.23
Date

RESOLUTION NO. 23-

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF LATHROP APPROVING A PURCHASE FROM ZIMA CORPORATION FOR HEADWORKS EQUIPMENT FOR THE CONSOLIDATED TREATMENT FACILITY PHASE 3 EXPANSION, CIP WW 22-38 AND APPROVE BUDGET AMENDMENT

WHEREAS, the Lathrop Consolidated Treatment Facility Phase 3 Expansion (LCTF Phase 3 Expansion) Project is necessary to address and provide additional wastewater treatment capacity to support new development; and

WHEREAS, on November 8, 2021, Council approved the creation of Capital Improvement Project (CIP) WW 22-38 LCTF Phase 3 Expansion and approved a Professional Services Agreement with PACE to provide engineering consulting services for the design of the Project; and

WHEREAS, PACE has completed the preliminary design and staff is requesting that Council approve the pre-purchase of headworks equipment from Zima Corporation for a cost of \$1,513,662; and

WHEREAS, this equipment is from the same vendor for the existing headworks equipment and the proposed purchase is an extension of that facility. It is critical for the operation and maintenance of the LCTF that the equipment be from the same vendor. In accordance with Lathrop Municipal Code (LMC) section 2.36.110, this purchase is considered a "sole source" and is exempt from bidding procedures; and

WHEREAS, staff will work alongside the development community to compensate the City for initially covering the expense; and

WHEREAS, sufficient funds were not included in the adopted Fiscal Year (FY) 22/23 Budget; therefore, staff also requests Council approve a budget amendment allocating \$1,513,662 plus a 10% contingency of \$151,366 for a total not to exceed \$1,665,028 of the Wastewater Connection Fee Fund 6030 for the proposed pre-purchase of the headworks equipment; and

WHEREAS, the Proposed Project falls within the scope of the previously Certified Environmental Impact Report (EIR) (SCH# 2019029106) for the Lathrop Integrated Water Resources Master Plan (IWRMP). Therefore, no further environmental review is necessary.

NOW, THEREFORE, BE IT RESOLVED, the City Council of the City of Lathrop does hereby approve the pre-purchase of headworks equipment from Zima Corporation for a cost of \$1,513,662 for CIP WW 22-38, LCTF Phase 3 Expansion; and

NOW, THEREFORE, BE IT FURTHER RESOLVED, the City Council of the City of Lathrop hereby approves the budget amendment allocating \$1,513,662, plus a 10% contingency of \$151,366 for a total not to exceed \$1,665,028 of the Wastewater Connection Fee Fund 6030 as follows:

Increase Transfers Out 6030-99-00-990-90-10		\$1,665,028
Increase Transfers In 6090-99-00-393-00-00	WW 22-38	\$1,665,028
Increase Expenditures 6090-80-00-420-12-00	WW 22-38	\$1,665,028

The foregoing resolution was passed and adopted this 10th day of April 2023, by the following vote of the City Council, to wit:

AYES:

NOES:

ABSTAIN:


ABSENT:

Sonny Dhaliwal, Mayor

ATTEST:

Teresa Vargas, City Clerk

APPROVED AS TO FORM:



Salvador Navarrete, City Attorney



Manufacture.Quality.Solutions.

Kusters Water Division

EQUIPMENT PROPOSAL

DATE: March 24th 2022

REF.: KW/222096/GK_Rev. 4

TO: City of Lathrop, CA ; Ken Reed

PROJECT: Lathrop, CA (Phase 1 Rerate)

ENGINEER: PACE

REPRESENTATIVE: Saddleback Environmental - Steven Seymour

We are pleased to provide our revised equipment proposal for equipment in accordance with the above referenced project.

Item A – Center Flow Screen with Integral Washing Compactor:

For the design and supply FOB Spartanburg, S.C., freight allowed to job site, of Two (2) Kusters Water *ProTector*[®] Filter Band Screens - Center Flow, Model FBS-CFWP 600x1000/2.

Screen Design Parameters:

Peak flow:	9.0 mgd
Upstream Channel width:	3.0 ft.
Pocket width:	5.0 ft.
Downstream Channel width:	3.0 ft.
Channel depth:	8.33 ft.
Screenings discharge height:	3.0 ft. approx. (above floor level)
Size of clear opening:	2 mm nominal
Angle of screen:	90° from horizontal
Max. Upstream Water level @ 30% blinding:	2.64 ft.
Headloss @ Peak Flow and 30% blinding:	21.77 in.

Zima Corporation
 physical address
 101 Zima Park Drive
 Spartanburg • SC 29301 • USA

mailing address
 P.O. Box 6128
 Spartanburg • SC 29304 • USA

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www.zimacorp.com/water
www.kusterswater.com



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dependable, cost-effective solutions for water and wastewater treatment

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Each to include the following:

- Fully automatic self-cleaning filter band screen inclined at 90°, complete with all appurtenances - 316 stainless steel
- Main frame constructed of minimum 3/16" - 316 stainless steel
- Flanged base plate for mounting screen assembly to top of channel - 316 stainless steel
- Screen support rails provided front and back on each side of frame
- Replaceable UHMW screen band seals mounted to each side of frame
- 2 mm perforated filter screen elements, every fifth panel to have integral solids lifting fingers attached to the bottom of the panel - UHMW
- Screen panel spray washing system supplied with one (1) 1" Bronze Ball valve, one (1) 1.5" 316 Stainless Strainer with Stainless Steel Screen, and one (1) 1.5" XP Bronze Solenoid Valve
- Heavy duty roller type conveyor links - 316 stainless steel
- The continuous band screen elements driven by two (2) drive shaft mounted 316 stainless steel discs
- Drive tensioners - 316 stainless steel
- Drive system to include 3.0 hp, 1800 rpm, TEFC, gear motor suitable for use in a Class 1, Div. 1, Group D environment and a 230/460Vac/3/60 electrical supply, direct coupled to 316 stainless steel drive shaft
- Integral screenings transport and dewatering unit - 316 stainless steel
- 2 mm perforated curved drainage section - 316 stainless steel
- Rubber seals between each panel - Neoprene
- Drainage collection pan with 6 inch dia. outlet connection - 316 stainless steel
- 8" diameter screw auger with torque tube - Hardox 400
- Six (6) Replaceable wear bars – Alloy Steel 340 BHN
- Compactor Drive system to include 2.0 hp, 1800 rpm, TEFC, gear motor suitable for use in a Class 1, Div. 1, Group D environment and a 230/460Vac/3/60 electrical supply, direct coupled to hi-strength alloy steel drive shaft
- Wash zone with one (1) 1" Bronze Ball valve, one (1) 1" 316 Stainless Steel Strainer with Stainless Steel Screen, and one (1) 1" XP Bronze Solenoid Valve
- Discharge Piping 8" expanding to 12" Diameter - 316 Stainless Steel
- ¼" 316 Stainless Steel Tank 24" flanged influent / effluent connections with load bearing aluminum treadplate covers and aluminum handrail with toe plate
- Fasteners - 316 stainless steel
- Anchor bolts - 316 stainless steel
- Surface Preparation and Finish - Acid Passivation of stainless steel

Zima Corporation
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mailing address
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 www.kusterswater.com



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Controls:

- Components and labor required to retrofit two (2) existing Ultrafine Screen NEMA 4x MCPs for proper operation of Centerflow Band Screens and Washer/Compactors
- Two (2) NEMA 7 Local Control Stations
- Four (4) Siemens LU420 Ultrasonic Level Transducers and Mounting Hardware.
- Two (2) High level alarm float switches.

Existing Fine Screen Tank Modifications:

- Replace 18" flanged influent connection with 24" flanged influent connection - 316 Stainless Steel
- Replace 18" flanged effluent connection with 24" flanged effluent connection - 316 Stainless Steel
- Replace 18" flanged overflow connection with 24" flanged overflow connection - 316 Stainless Steel
- Replace existing covers with load bearing Aluminum Treadplate Covers
- Aluminum Handrail and Toe Plate

Existing Grit Trap Tank Modifications:

- Replace 18" influent / effluent box with 24" influent/effluent box
- Relocate grit trap approximately 6" and extend concrete pad

Piping Modifications:

- Replace 18" influent piping with 24" Sch. 10 piping - 316 Stainless Steel
- Replace 18" effluent piping with 24" Sch. 10 piping - 316 Stainless Steel
- Replace 18" overflow piping with 24" Sch. 10 piping - 316 Stainless Steel
- Provide three (3) 24" to 18" concentric reducers for new 24" piping to existing 18" piping - Ductile Iron
- Provide one (1) 24" Sch. 10 Tee for overflow - Ductile Iron
- Replace 4" piping from grit pump to grit classifier - Ductile Iron
- Replace 6" piping from grit classifier cyclone overflow - Ductile Iron
- Replace 6" organics overflow piping from grit classifier - Ductile Iron
- Replace 18" x 24" effluent elbow with 24" x 24" - Ductile Iron



Elevated Platform Additions / Modifications:

- Elevated platform addition allowing maintenance access to the back side of the existing 6mm Centerflow Band Screens including stairs, aluminum i-bar grating, handrail and toe plates
- Elevated platform addition allowing maintenance access to the back side of the new 2mm Centerflow Band Screens including stairs, aluminum i-bar grating, handrail and toeplates
- Installation of new catwalks for fine and ultrafine centerflow band screens

On Site Installation:

- One (1) crane
- One (1) mechanical service truck with mounted crane
- One (1) mechanical crew
- Disconnect and remove ultra-fine drum screens and existing tanks
- Install new ultra-fine centerflow band screens and associated tanks
- Provide and install Sch 80 PVC water lines for new screens and compactors
- Removal of existing 18” inlets and outlets and replace with 24” inlets and outlets for fine centerflow band screens
- Installation of new 24” connection between grit systems and ultrafine centerflow tanks
- Raise existing access platform elevation 18”

Site Service (Kusters Water):

Site services of four (4) trips and twenty (20) days total for installation inspection, startup and operator training.

LUMP SUM PRICE FOR ITEM A: \$ 1,513,662
Items not listed above will be provided by others

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Comments and Clarifications to the Specifications

1.) Kusters Water is furnishing its standard equipment as outlined in this proposal.

Exclusions:

- Taxes
- Offloading
- Installation
- Erection or testing
- Supervision of erection
- Engineering re-design
- Civil Design
- Buildings
- Dumpsters
- Concrete, grout, or sealants
- Thru-wall fittings
- Hand railings except as noted
- Stairways and Ladders
- Interconnecting walkways
- Lights or light posts
- Field verification of dimensions
- New Influent Flow Meters
- Any piping not proposed above
- Valves except as noted
- Sandblasting or touch-up painting
- Field / Finish painting
- Disconnect switches and junction boxes
- Electrical wiring or conduit
- Electrical connections
- Electrical installation and wiring
- Controls except as noted
- Special shipping procedures
- Storage at our shop or jobsite
- Oil and grease
- Spare parts except as noted
- Tank surveying
- Field verification of elevations
- FRP Foul Odor Piping
- Buried Overflow Piping

Absence of an exclusion herein will not be construed as meaning that the item is included, and Kusters Water will not issue credits, or accept deducts, for the provision of the items noted above.

Terms:

- NET 30 Days
- 15% at submittal approval
- 80% upon delivery to site
- 5% upon start-up and training completion or 120 days from delivery, whichever occurs first.
- 1-1/2% interest charges per month for late amounts due

Submittals:

- 10 weeks from acceptance of order.

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Delivery:

- 20 weeks from receipt of approved submittal.

Warranty:

- 12 months from equipment start up or 18 months after delivery, whichever occurs first.
- 36 months from date of shipment, for all *ProTechtor*® products.

Validity:

- Pricing is firm for acceptance within 30 days of the quote date.

Purchase Orders:

- All purchase orders are to be issued, and mailed to:

Zima Corporation,
Kusters Water Division
P.O. 6128
Spartanburg, SC 29304

Please provide a copy of your tax exempt or direct pay certificate, project contact, and a copy of the project payment bond with your purchase order.

Notes:

All spares and site service for start-up and operator training is available from our Spartanburg National Service Center.

Liquidated Damages:

- Zima Corp. will not consider the addition of liquidated damages to our contract unless it has been specifically identified and negotiated prior to the bid. Zima Corporation's equipment supply contract will not be tied to the General Contractor's overall contract, and our delivery commitments shall be as stated in this proposal.

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Bonding:

- Bonding or bonding expenses are not included in this proposal and will not be considered unless specifically identified and authorized by Zima Corp. prior to the bid.

Insurance:

- Pricing includes general liability policy with 1 million occurrence, 2 million aggregate, and 4 million umbrella. If higher limit(s) is required, all costs will be paid by the Buyer in addition to the quoted equipment price.

Freight:

- All prices are quoted F.O.B. shipping point, with freight allowed to the Jobsite. Buyer will be responsible for equipment off-loading. All claims for damage or loss in shipment shall be initiated by the Buyer. Buyer requests for selective shipments, early shipments, or separate shipment may directly affect the freight allowance. Any additional costs incurred due to this request by the Buyer will be an additional cost to the purchase price and invoiced accordingly.

Sincerely,



George Kellum
Sales Manager, Municipal Products
Kusters Water Division
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C. 864-316-3264
george.kellum@kusterswater.com
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