

DATE SUBMITTED 5/29/24
 SUBMITTED BY Public Services
 DATE ACTION REQUIRED 6/5/24

COUNCIL ACTION
 PUBLIC HEARING REQUIRED
 RESOLUTION
 ORDINANCE 1ST READING
 ORDINANCE 2ND READING
 CITY CLERK'S INITIALS

**IMPERIAL CITY COUNCIL
 AGENDA ITEM**

SUBJECT:	DISCUSSION/ACTION: 1. Approve purchase of two (2) tank mixers; one for Aten Tank and one for Shop Tank.		
DEPARTMENT INVOLVED: Public Services			
BACKGROUND/SUMMARY: GAC filters were previously installed at the water treatment plant to prevent the formation and reduce trihalomethane chemicals (THMs). Due to temperature variances (thermocline) and storage time, THMs are being generated inside the water storage tanks. The addition of the tank mixers will ensure thorough mixing in the water storage tanks, prevent the thermocline and maintain uniform chlorine residuals to minimize THM formation. Additionally, THM will volatilize when in contact with air, so there will be some reduction in THM. Installation of the mixers is simple. They will be dropped into the tanks and electrical connection will be done by City forces. Public Services requested quotes from vendors and found D&H Water Systems to be the best feasible option. The cost per mixer per tank is \$20,271.38 for a combined total of \$40,542.76. Funds for this request are budgeted within this fiscal year.			
FISCAL IMPACT: NOT TO EXCEED Total: \$40,542.76 Account: 50-555-5241		FINANCE INITIALS	<u>DP</u>
STAFF RECOMMENDATION: approve request		DEPT. INITIALS	<u>DP</u>
MANAGER'S RECOMMENDATION: <i>approve</i>		CITY MANAGER'S INITIALS	<u>OHM</u>
MOTION:			
SECONDED:	APPROVED <input type="checkbox"/>	REJECTED <input type="checkbox"/>	
AYES:	DISAPPROVED <input type="checkbox"/>	DEFERRED <input type="checkbox"/>	
NAYES:	REFERRED TO:		
ABSENT:			

Project Name: Aten Tank

Tank Size: 2.0 MG

Proposal Date: May 8, 2024

Owner: City of Imperial

Contact: David Dale

Authorized Sales Representative:

D&H Water Systems, Inc.

Attn: Clint Freeman

603 Seagaze Dr, #241

Oceanside, CA 92054

Dear David,

Thank you for your interest in the Tidal Wave Mixer manufactured by Big Wave Water Technologies, Inc. (BWWT). We are pleased to provide the following proposal for your consideration.

Pricing, equipment specifications, and purchasing terms and conditions are attached. Equipment is shipped via FedEx or common carrier upon request. Equipment startup can be provided by D&H Water Systems, as well as installation checklists and startup forms.

We look forward to working with you on this project. If we can be of any further assistance, please do not hesitate to contact me.

Best,

Clint Freeman

clint@dandhwatersystems.com

(925) 550-8696

SCOPE OF SUPPLY

The following equipment and services constitute our scope of work. All equipment will be manufactured in accordance with the descriptions below.

Quantity	Item	Description
1	Tidal Wave Mixer	TWM15-230-33-V3R050-3 Tidal Wave Mixer - 1.5 HP motor (230 VAC, 3Ph, 3-wire, water-filled, water-lubricated with chlorine/chloramine resistant NBR rubber seals) - 120 VAC/1Ph/60 Hz control panel with 20-amp circuit, VFD, SCADA connectivity (4-20mA for current draw), RUN/STOP indicator lights, hand/off/auto selector switch (inside the panel enclosure) - NEMA 3R powder-coated steel enclosure 20" x 16" x 8" - 50-ft 3-wire cable - HDPE frame - Complete system is UL-certified to NSF/ANSI 61 NSF/ANSI 372
1	Shipping & Handling	Shipping and Handling (FOB Oceanside, CA)
1	Startup & Training	D&H Water Systems service tech to assist with startup and training



PRICING

Quantity	Item	Sales Price	Extended Price
1	Tidal Wave Mixer	\$17,050.00	\$17,050.00
1	Shipping & Handling	\$100.00	\$100.00
1	Startup & Training	\$1,800.00	\$1,800.00
		Subtotal Sales	\$18,950.00
		Tax (7.75%)	\$1,321.38
		Total Lot Price	\$20,271.38

1. Purchase order shall be made out to Doane & Hartwig Water Systems, 603 Seagaze Dr, #241, Oceanside, CA 92054.
2. If not included in pricing above, startup and operator training can be provided by D&H Water Systems for an additional cost.
3. If entity is tax exempt, a tax-exempt certificate must be submitted to D&H Water Systems.
4. D&H Water Systems requires a minimum of two (2) weeks notification prior to performing onsite system startup and training. D&H Water Systems will work with you to best meet your scheduling needs. Contact the Service Department at (760) 722-6893 to schedule the onsite visit.
5. Once the startup service has been scheduled, D&H Water Systems requires a minimum of one (1) week notification in the event of a delay. Requests less than one (1) week prior to the site visit may result in a change fee.





Standard Terms and Conditions of Sale

A D&H Water Systems, Inc., proposal forms the basis of an offer under our standard terms and conditions and shall be effective upon receipt of the client's written order confirmation.

Quote is valid for **30 days**.

Payment terms (upon approved credit) are **net 30** days after shipment of equipment.

If client fails to fulfill the net 30-day payment terms, D&H Water Systems, Inc., may defer further shipments and/or cancel the balance of any order at its option.

All credit card transactions will incur a 4% pass-through service charge.

D&H Water Systems' standard insurance package covers general liability, automotive, worker's compensation, and umbrella liability. We do not provide professional liability. Any cost associated with additional insurance requirements will be passed on to buyer.

D&H Water Systems, Inc., is serving as an equipment supplier and will not approve retainage.

Delivery will be made in approximately 2 weeks after submittal approval. (Subject to change based on component availability.)

Lead times given represent the best available estimate at the time of the proposal. D&H Water Systems, Inc., will endeavor to deliver on the anticipated date but assumes no obligation for any unforeseen circumstances and reserves the right to adjust lead times. D&H Water Systems, Inc., will not be held liable for any liquidated damage incurred during a project.

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Immediately following receipt, the customer shall examine the delivery for completeness and functionality for use. D&H Water Systems, Inc., shall be informed of any defects within 7 days following arrival at destination.

Any shipment shortages shall be reported in writing within 48 hours following arrival at destination.

Products that are manufactured specific to the client's order requirements are considered custom and are not returnable.

Return of non-custom products requires prior approval and may be subject to restocking fees. Any returned product must contain a D&H Water Systems RMA number.

No terms or conditions contained within a client's purchase order or contract shall be binding unless specifically agreed to in writing by both parties.

The proposal does not include any applicable taxes or fees.

This quotation is limited to the products and services listed and excludes any item or service that is not specifically listed. Other items, such as but not limited to insurance premiums, transit fees, permit fees, license fees, bond fees, inspection fees, seismic calculations, equipment tags, labels, etc., are excluded.

Purchaser shall defend and hold harmless Seller, their officers, agents, employees, and members from all claims, suits, actions, or liens of any nature resulting from or arising out of the activities of Purchaser or its subcontractors, agents, or employees under this contract.

This quotation **EXCLUDES** any field wiring. Field wiring and any other installation service not listed shall be performed by others.

Should any term or clause on these terms and conditions in whole or in part be found unenforceable or void, all other provisions shall remain in force and effect.



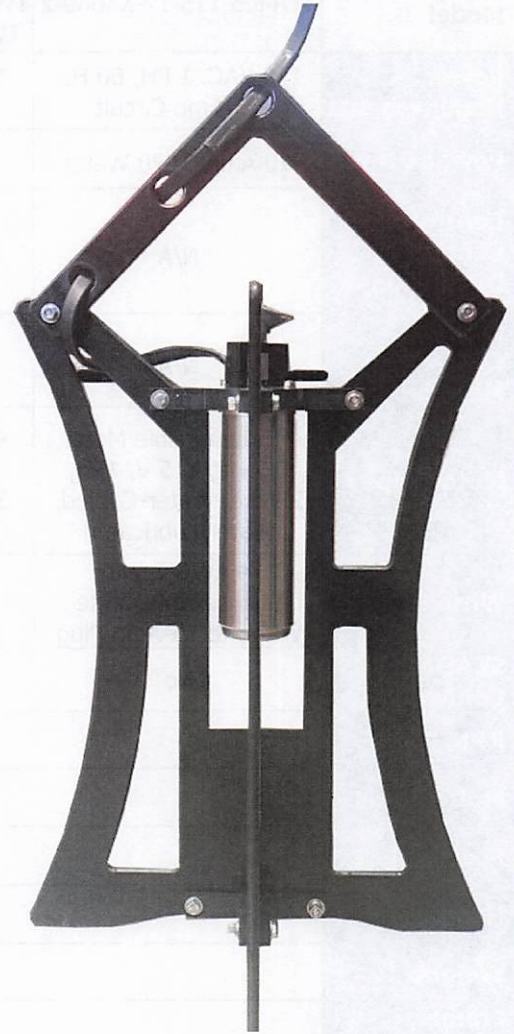
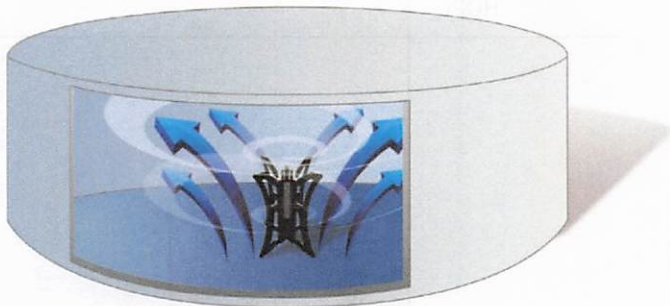


TIDAL WAVE MIXER

We are proud to offer our new active water mixer, The Tidal Wave. The Big Wave Water Technologies mixer meets or exceeds industry standards, outperforms the competition, and is economically priced.

- Improves water quality in storage tanks
- Performs in tanks up to 10 million gallons or more
- Eliminates stratification
- Reduces nitrification in chloraminated systems
- Exceeds mixing requirements for addition of chemistry
- Reduces bacteria growth and lowers DBPs (disinfection byproducts)
- Improves water taste and odor
- Increase water tank longevity
- Helps prevent ice damage in cold climates
- Lowered through hatch, no diver required
- All Tidal Wave Mixers are NSF 61 & NSF 372 certified
- Solar options available
- **3-year warranty**

We've brought to market an active water mixer that greatly improves water quality and storage tank longevity at a very competitive price.



For more information or to schedule a presentation, please call

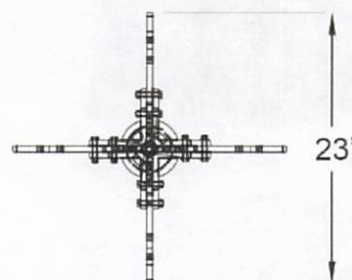
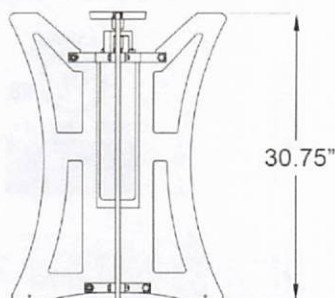
677-244-9283 (677-BIG-WAVE) or visit BigWaveWater.com





Tidal Wave Water Mixer Specifications

	0.5 HP Options		1.5 HP Options	
Model	TWM05-115-12-XX060-2	TWM05-230-33-V3R050-3 TWM05-230-33-V4050-3	TWM15-230-12-NV4060-2	TWM15-230-33-V3R050-3 TWM15-230-33-V4050-3
Power Requirements	120 VAC, 1 PH, 60 Hz, 15-Amp Circuit	120 VAC, 1 PH, 60 Hz, 15-Amp Circuit	230 VAC, 1 PH, 60 Hz, 20-Amp Circuit	120 VAC, 1 PH, 60 Hz, 20-Amp Circuit
Power Draw	10 Amps, 670 Watts	7.2 Amps, 585 Watts	10 Amps, 1770 Watts	15 Amps, 1800 Watts
Control Center Dimensions	N/A	52 lbs (23.59 kg) 20" x 16" x 10" (50.8 cm x 40.64 cm x 25.4 cm)	53 lbs (24.04 kg) 20" x 20" x 13" (50.8 cm x 50.8 cm x 33.02 cm)	52 lbs (23.59 kg) 20" x 16" x 10" (50.8 cm x 40.64 cm x 25.4 cm)
Control Center Material	N/A	Powder-Coated Steel	Powder-Coated Steel	Powder-Coated Steel
Motor Type	4" Submersible Motor, 0.5 HP, 115 V, 1PH, 2-Wire, Water-Cooled, Water-Lubricated	4" Submersible Motor, 0.5 HP, 230 V, 3PH, 3-Wire, Water-Cooled, Water-Lubricated	4" Submersible Motor, 1.5 HP, 230 V, 1PH, 2-Wire, Water-Cooled, Water-Lubricated	4" Submersible Motor, 1.5 HP, 230 V, 3PH, 3-Wire, Water-Cooled, Water-Lubricated
Wiring	14 AWG 2-Wire Submersible Cable Wired to 15-Amp Plug	14 AWG 3-Wire Submersible Cable	14 AWG 2-Wire Submersible Cable	14 AWG 3-Wire Submersible Cable
SCADA Connectivity	No	Yes	Yes	Yes
RPM	3,450			
Motor Seals	Chlorine/Chloramine-Resistant NBR Rubber			
Footprint	23" Square (58.42 cm)			
Height	30.75" (78.10 cm) + 10" (25.4 cm) handle			
Weight	35 lbs. (15.87 kg)			
Frame Material	HDPE			



Project Name: Shop Tank

Tank Size: 2.0 MG

Proposal Date: May 8, 2024

Owner: City of Imperial

Contact: David Dale

Authorized Sales Representative:

D&H Water Systems, Inc.
Attn: Clint Freeman
603 Seagaze Dr, #241
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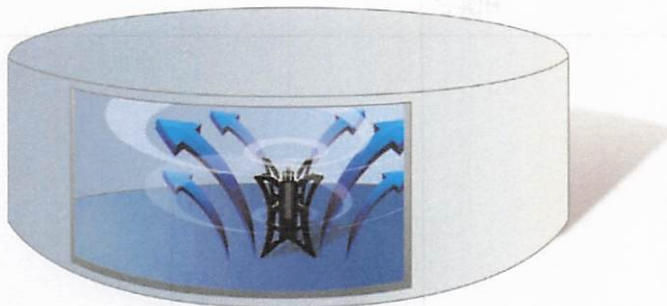
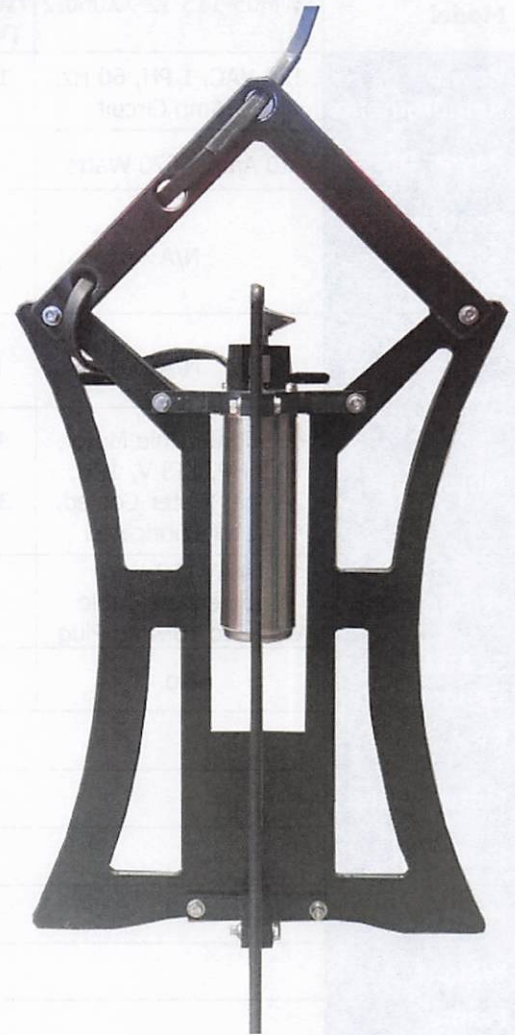


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Control Center Material	N/A	Powder-Coated Steel	Powder-Coated Steel	Powder-Coated Steel
Motor Type	4" Submersible Motor, 0.5 HP, 115 V, 1PH, 2-Wire, Water-Cooled, Water-Lubricated	4" Submersible Motor, 0.5 HP, 230 V, 3PH, 3-Wire, Water-Cooled, Water-Lubricated	4" Submersible Motor, 1.5 HP, 230 V, 1PH, 2-Wire, Water-Cooled, Water-Lubricated	4" Submersible Motor, 1.5 HP, 230 V, 3PH, 3-Wire, Water-Cooled, Water-Lubricated
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SCADA Connectivity	No	Yes	Yes	Yes
RPM	3,450			
Motor Seals	Chlorine/Chloramine-Resistant NBR Rubber			
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