

**CITY OF PALMER  
ACTION MEMORANDUM NO. 14-015**

**Subject:** Authorize the City Manager to Enter Into a Sole Source Contract with JWC Environmental to Purchase a Grinder for the Wastewater Treatment Plant

**Agenda of: February 11, 2014**

**Council Action:** \_\_\_\_\_

**Approved for presentation by:**

<p><b>City Manager</b></p> <p><b>City Attorney</b></p> <p><b>City Clerk</b></p>	<p><u><i>Douglas B. Griff</i></u></p> <p><u><i>JB</i></u></p>
---	---

**Certification of Funds:**

Total amount of funds listed in legislation:	\$ <u>123,710.00</u>
This legislation (√):	
<input type="checkbox"/> Has no fiscal impact	
Creates:	
<input checked="" type="checkbox"/> A negative fiscal impact in the amount of:	\$ <u>123,710.00</u>
<input type="checkbox"/> A positive fiscal impact in the amount of:	\$ _____
<input checked="" type="checkbox"/> Funds are budgeted.	
Funds are budgeted from this (these) line item(s):	
a) ➤ 24-20-01-6253 (ADEC Grant No. 67107)	\$ <u>61,855.00</u>
b) ➤ 24-02-01-6253 Equipment City Match (67107)	\$ <u>61,855.00</u>
a) Funds originally budgeted in line item :	\$ _____
Difference in budgeted funds:	\$ _____
b) Funds originally budgeted in line item :	\$ _____
Difference in budgeted funds:	\$ _____
<input type="checkbox"/> Funds are not budgeted.	
Budget amendment required in the total amount of:	\$ _____
Affected line item(s):	
➤	\$ _____
➤	\$ _____
➤	\$ _____
<input type="checkbox"/> General fund unassigned balance (after budget modification)	\$ _____
<input type="checkbox"/> Enterprise unrestricted net position (after budget modification)	\$ _____
Director of Finance signature certifying funds:	<u><i>[Signature]</i></u>

**Attachment(s):**

- JWC Environmental price quote dated January 16, 2014.
- Auger Monster cut sheet

**Summary statement:** This action memorandum authorizes the city manager to enter into a sole source procurement agreement with JWC Environmental of Costa Mesa, CA for the purchase of an "Auger Monster" grinder for the Wastewater Treatment Plant (WWTP) for the quoted price of \$123,710.

Alaska Department of Environmental Conservation (ADEC) Grant No. 67107 will pay half the cost of this equipment, with the other half paid from the City's wastewater utility fund. ADEC says the City must receive equipment purchased under this grant by May 31, 2014, to allow ADEC time to close out the grant by its expiration date of June 30, 2014. The present balance of the ADEC grant is \$76,190.76. Half the cost of the equipment will utilize \$61,855 of the grant balance, with the other half of the cost coming from the City match that is in place for grant 67107.

This equipment is a duplicate of an existing grinder in the WWTP Head Works Building. With only one grinder, we must bypass the grinder when it needs repairs. This bypass results in fabric and other material in the waste stream entering the treatment pond where it wraps around aeration piping, reducing the effectiveness of wastewater treatment. When the City built the Head Works Building in 2002, the construction included a second channel for a second grinder. The plan is to install the new grinder in this second channel.

City code section 3.21.230 allows an exemption from the competitive bid process "for contracts where the purchasing officer determines in writing that the city's requirements reasonably limit the source for these supplies, services, professional service or construction to one person." A sole source procurement is reasonable and in the City's best interest in this case for the following reasons: 1) it is beneficial to have similar pieces of equipment performing the same function; 2) having two identical pieces of equipment eliminates the need to maintain separate parts inventories; 3) the construction of the Head Works Building provided a second channel anticipating the installation of a second grinder of the same type as was initially installed.

**Administration recommendation:** Approve action memorandum 14-015.

JWC Environmental  
290 Paularino Ave.  
Costa Mesa, CA 92626  
Tel: 800-331-2277  
Tel: 949-833-3888  
Fax: 949-833-8858



JWC Environmental  
2600 S. Garnsey St.  
Santa Ana, CA 92707  
Tel: 800-331-2277  
Tel: 714-825-1960  
Fax: 714-751-6120

**QUOTE #DB0116014\_Palmer\_APS\_ACE3210**  
**Palmer, AK**  
**Auger Monster**

**QUOTE DATE:** 1-16-14  
**REPRESENTATIVE:** Apsco  
**SUBMITTALS:** 6 weeks  
**SHIP EQUIPMENT:** 12 weeks after release

**TERMS:** Net 30 days  
**PRICING:** Valid for 90 days  
**FREIGHT:** Included

*We thank you for your inquiry and are pleased to quote pricing and delivery on the equipment listed below. This quotation is subject to the terms and conditions listed on the JWC Environmental "Terms and Conditions" page, and any comments and exceptions listed below.*

One (1) Model ACE3210-XDM2.0 Auger Monster system suitable for up to 4.0 MGD in 33" wide x 42" deep channel with downstream water levels on the range of 10" to 26" and solids discharge nominally 48" above the top of channel (refer to JWC Environmental Auger Monster Evaluation for additional performance data). Scope of supply to include:

- \* CMD3210-XDM grinder with 32" cutter stack using 7-tooth cam cutters in 8620 alloy steel, 10" dia. 304 stainless steel rotating drum with 1/4" coil-wound rod at 1/2" pitch resulting in 1/4" spacing between coils, cartridge-style tungsten carbide mechanical seals with BUNA-N elastomers rated for 90 psi, green epoxy-coated ductile iron housings & siderails, 29:1 speed reducer with 5 hp electric motor for cutters and 377:1 speed reducer with 1 hp electric motor for drum, all motors XPFC 230-460v/3ph/60Hz
- \* AMA3200-480 auger, 45 deg. inclination, 304 stainless steel trough & casings, 1/4" perforated screen, nom. 20" dia. alloy-steel spiral with nylon brush, 12" dia. alloy-steel transport spiral with tapered element, 1750mm transport segment, bottom discharge, 160:1 speed reducer, 2 hp TEFC 230-460v/3ph/60Hz electric motor coated with green epoxy paint, and stainless steel spray wash with manual ball & bronze explosion-proof solenoid valves
- \* Pivot frame and support components fabricated in 304 stainless steel

One (1) PC2253D motor controller in a NEMA 4X 304 SST enclosure accepting 230v/3ph/60Hz or 460v/3ph/60Hz input power, includes IEC starters with over-current protection, jam-sensing current transformers, micro-PLC, operator interface and analog ultrasonic transducers

Four (4) Operation and Maintenance manuals

**Budget Price: \$123,710.00**

**ADDERS:**

1. 5 Hp & 1 Hp TENV Immersible, X-Proof, 230/460v/3ph/60Hz grinder motors w/40' power cable: \$9,000.00
2. Dewatering segment: \$2,200.00
3. Discharge bagger: \$1,100.00
4. 120V Heat tracing an insulation jacket (power supply by others): \$6,000.00

**NOTES:**

1. See attached standard JWC Terms and Conditions of Purchase.
2. Standard one year warranty is included.
3. One (1) day of start-up supervision by a factory-authorized representative is included.

Unless specifically stated above, this quotation does not include installation, any taxes, disconnect switches, anchor bolts, hydraulic fluid, mounting frames, spare parts, or special tools.

Authorized JWC Signature: David Barkey – Western Region Sales Manager



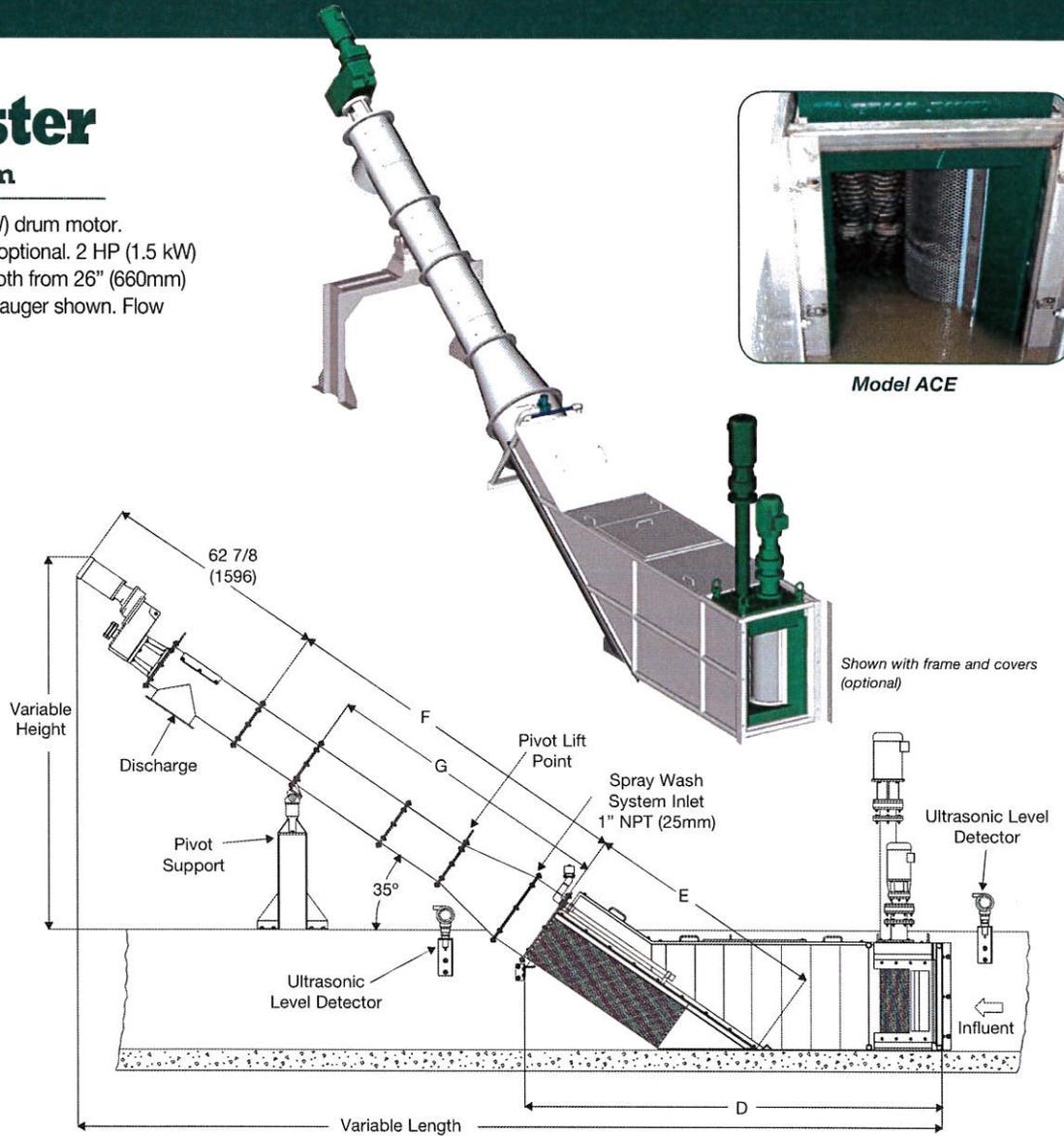
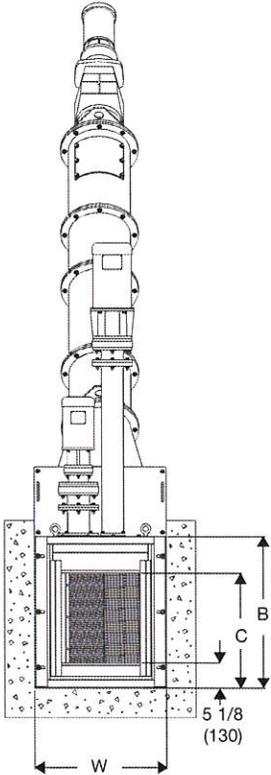
# Auger Monster

## Model ACE • Single Drum

5 HP (3.7 kW) grinder motor 1 HP (.75 kW) drum motor.  
 Immersible and other electric motors are optional. 2 HP (1.5 kW)  
 TEFC auger motor. Minimum channel depth from 26" (660mm)  
 and up - based on frame height. 480mm auger shown. Flow  
 based on optimum channel conditions.



Model ACE

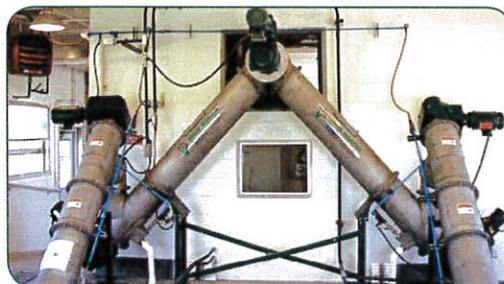


Model	B inches (mm)	C inches (mm)	D inches (mm)	W - Min. Channel Width w/o frame inches (mm)	W - Min. Channel Width w/ frame inches (mm)	Flow Capacity MGD (m <sup>3</sup> /h)
ACE1810-480	30-11/16 (779)	23-5/16 (592)	110-9/16 (2808)	24 (610)	30 (762)	2.2 (342)
ACE2410-480	36-5/16 (922)	29-1/16 (738)	125-1/16(3177)	24 (610)	30 (762)	2.9 (465)
ACE3210-480	44-3/16 (1122)	36-15/16 (938)	139-5/8 (3546)	24 (610)	30 (762)	4.0 (636)
ACE4010-480	52-1/16 (1322)	44-11/16 (1135)	154-1/8 (3915)	24 (610)	30 (762)	5.1 (807)
ACE5010-480	62-1/16 (1576)	54-11/16 (1389)	168-11/16 (4285)	24 (610)	30 (762)	6.5 (1029)
ACE6010-480	72-7/16 (1840)	65-1/16 (1653)	183 (4648)	24 (610)	30 (762)	8.0 (1261)

\* Please consult factory for final applications assistance.



Auger Monsters discharging into a horizontal conveyor



Two auger conveyors converge



Auger Monsters and cross conveyor