

RESOLUTION NO. R16-46

A RESOLUTION OF THE CITY COUNCIL AUTHORIZING THE MAYOR TO SIGN A CONTRACT WITH PROCESS WASTEWATER TECHNOLOGIES, LLC FOR RENTAL OF A SLUDGE FEED PUMP AT THE CITY'S WASTEWATER TREATMENT PLANT.

BE IT RESOLVED by the City Council of the City of Laurel, Montana,

Section 1: Approval. The contract between the City of Laurel and Process Wastewater Technologies, LLC relating to rental equipment for the Wastewater Treatment Plant, a copy attached hereto, is hereby approved.

Section 2: Execution. The Mayor and the City Clerk of the City of Laurel are hereby given authority to execute the contract on behalf of the City.

Introduced at a regular meeting of the City Council on June 21, 2016 by Council Member _____.

PASSED and ADOPTED by the City Council of the City of Laurel, Montana, this 21st day of June, 2016.

APPROVED by the Mayor this 21st day of June, 2016.

CITY OF LAUREL

Mark A. Mace, Mayor

ATTEST:

Shirley Ewan, Clerk/Treasurer

Approved as to form:

Sam S. Painter, Civil City Attorney

*Resolution
was removed
from agenda.
Not considered
or approved.*

*CA
6/22/2016*



PROPOSAL

PROCESS WASTEWATER TECHNOLOGIES, LLC. | 9004 Yellow Brick Rd, Suite. D, Rosedale, MD, 21237
Phone: 410 238 7977 | Facsimile: 410 238 7559 | Email: contact@PWTech.us | Web: www.PWTech.us

PROJECT / REF: City of Laurel WWTP	
TO: Kurt Markegard Director of Public Works kmarkegard@laurel.mt.gov	DATE: 8 September 2015 PWT #: VDP-MT-16027 REV: 1
ADDRESS: PO Box 10 Laurel, MT 59044	REP: Ben Lewis FIRM: Ambiente H2O CONTACT: blewis@ambienteh2o.com (406) 969-2022
SUBJECT: Price and Scope for PWTech Volute Dewatering Press model ES301 rental unit for City of Laurel WWTP	
SIZING: Maximum design flow rate up to the lesser of 35 GPM or 350 dry pounds per hour	
NOTES: Alternate ES301 rental unit; Revision 0 remains available	

Scope of supply:

- One (1) PWT Volute Dewatering Press Model ES301 unit
- One (1) Acrison 580 Polymer Preparation unit
- One (1) IFM 1" Magnetic Flow Meter
- One (1) Sydex BK052-1S progressing cavity pump (or equivalent)
- One (1) Control systems for the above
- Documentation (softcopy O&M Manuals)
- Start-up and commissioning services

- Delivery to site will be billed under separate invoice at cost



Notes on Dewatering Press, PWT Model ES301

Base unit supply

- The unit to be supplied will be an ES301 with a maximum capacity of about 35 GPM of dilute feed sludge (<1% solids) or 350 dry pounds per hour for thicker sludge (>3% solids).
- The Press consists of a flash mixing tank including gear motor, a flocculation tank including gear motor, 1 x 300 Series Dewatering Drums each with a drive motor, filtrate collection pan and support frame.

Construction

- The unit is all stainless steel with the exception of the rings in the thickening part of the dewatering drum which are polycarbonate resin.
- All welds are bead blasted and passivated to prevent corrosion.
- Unit is manufactured in the USA
- Gear Drives are Nissei GTR gear motors utilizing heloid gear reduction. They are one piece construction and are sealed for life.

Notes on Sludge Feed Pump

Performance data

- | | | | |
|---------------------------------|-----------------------|----------|--------------|
| • Nominal flow rate: | 30 USGPM | @15 psi, | @200 rpm |
| • Maximum flow rate: | 45 USGPM | @15 psi, | @305 rpm max |
| • Starting torque: | 34.66 lb.ft | | |
| • Max. power absorbed: | 2.5 hp | | |
| • Suction pressure: | assumed to be flooded | | |
| • Discharge pressure: | 15 psi | | |
| • Differential pressure: | 15 psi | | |

Design

- 3HP, close-coupled drive
- Stainless steel rotor & rotating internals, cast iron housing

Notes on Electrical and Control

- System will run on a single 240VAC, 3-phase, 60 Hz, power supply
- Unit includes complete control system for ES301 Volute and ancillary equipment including operation of the polymer preparation system and VFD control for Sludge Feed Pump
- Control system will utilize system flow meter and PID loop to allow operator to set the system flow.
- Control panel is NEMA 4X rated manufactured in Stainless Steel type 304.



General Notes

Documentation:

Price includes all documentation including O&M manuals in electronic (PDF) form.

Start-up services:

Price includes the following start-up services -

- Start-up and training services for up to four (4) consecutive days (8 hours per day, Monday-Friday) of on-site services by a PWT field service engineer and/or manufacturer's representative.
- Phone consultation regarding installation will also be provided.
- Should additional services be deemed necessary by the PURCHASER, the additional services can be procured from PWT on a per diem basis. The current rate is \$800 per day plus travel.

Items not included in this proposal

- Taxes, permits and bonding
- Any civil works including, but not limited to, any building works, construction of suitable foundations, and access structures.
- Installation including, but not limited to, mechanical, plumbing, and electrical service to the point of the Volute skid.
- Unloading on site and storage

Delivery and Freight

- Delivery is approx. 2-4 weeks from receipt of written purchase order.
- Actual freight to be billed on separate invoice.

Governing Terms and Conditions and Warranty

- This budget price is subject to Process Wastewater Technologies, LLC. Rental Terms and Conditions and Standard Warranty as attached with the exception of the following:
 - No exceptions

Price

Weekly rate for ES301 Volute, first four weeks:	\$4,800.00
Weekly rate for ES301 Volute, thereafter:	\$2,400.00
Rental discount for receipt of purchase order for permanent ES301:	30%
Rental discount for receipt of purchase order for permanent ES302[1]:	35%
Rental discount for receipt of purchase order for permanent ES302:	40%

For Purchase Order received within thirty (30) days of delivery of rental Volute, discount will be backdated to delivery date. For Purchase Order received after thirty (30) days of delivery of rental Volute, discount will be applied from acknowledgement of Purchase Order.



ACCEPTANCE OF OFFER
(in lieu of written purchase order)

Please confirm your acceptance of the above offer and the Terms and Conditions in the space provided below.

Accepted by

Name: _____

Position: _____

Signature: _____

Date: _____

on behalf of: _____

Billing address: _____

Respectfully submitted on behalf of Process Wastewater Technologies LLC., by

Name: Rich Hunt

Position: Project Manager

Signature: *Rich Hunt*

Date: 8 April, 2016

Please return via email or fax to 410 238 7559