

RESOLUTION 2020 - 22

**A RESOLUTION OF THE CITY COUNCIL OF THE
CITY OF SUNNYSIDE, WASHINGTON, AUTHORIZING
THE CITY MANAGER TO PURCHASE A HYBRID BLOWER
FROM TREATMENT EQUIPMENT COMPANY AS PART
OF THE PACIFIC POWER ENERGY SAVING UPGRADES
AT OUR WASTE WATER TREATMENT PLANT**

WHEREAS, the City is responsible to operate and maintain all sewer system infrastructure within the City limits; and

WHEREAS, on March 23, 2020, City Council accepted a grant incentive offer from Pacific Power where they identified several areas in which we could improve our processes and install energy saving upgrades to our WWTP; and

WHEREAS, city staff contacted contractors on our vendor list to solicit bids for a new hybrid blower for our aeration basins at the WWTP; and

WHEREAS, city staff has reviewed all bids and recommends City Council approve this resolution and authorize the city manager to purchase of a new hybrid blower from Treatment Equipment Company in the amount of \$89,685.00; and

WHEREAS, the City of Sunnyside City Council finds and determines that this purchase is in the best interest of the residents of the City of Sunnyside and will promote the general health, safety and welfare;

NOW, THEREFORE, IT IS HEREBY RESOLVED BY THE CITY COUNCIL OF THE CITY OF SUNNYSIDE, WAHSINGTON, as follows:

SECTION 1. The City Council of the City of Sunnyside approves this resolution and authorizes the City Manager to purchase a hybrid blower from Treatment Equipment Company in the amount of \$89,685.00 as part of the Pacific Power Energy Incentive program at the Waste Water Treatment Plant, and is in accordance with the bid which is attached hereto as Exhibit "A" and incorporated herein by this reference; and the

City Manager is hereby authorized to purchase a new hybrid blower for the Waste Water Treatment Plant on behalf of the City of Sunnyside.

SECTION 2. This Resolution shall be effective upon passage, approval and signatures hereon in accordance with law.

PASSED this 27th day of July, 2020.



FRANCISCO GUERRERO, MAYOR

ATTEST:



JACQUELINE RENTERIA, CITY CLERK

EXHIBIT A



TREATMENT EQUIPMENT COMPANY
Water and wastewater treated better

Quotation

249 Man Ave S Suite 107 #322
North Bend, WA 98045
Phone (425) 641-4306

DATE 7/7/2020
Quote # 20200707

Quotation For:

City of Sunnyside
Raul Sanchez
(509) 836-6566
1338 S 4th Street
Sunnyside, WA 98944

Quotation valid until: 10/7/2020

Prepared by: Dennis Gleason

Comments or Special Instructions: No taxes or shipping included in quote

QUANTITY	DESCRIPTION	UNIT PRICE	TAXABLE - T	AMOUNT
1	Aerzen D62S Hybrid Blower 100 HP PER ATTACHED SCOPE E13- 34226.R1	\$89,685.00	Y	\$ 89,685.00
SUBTOTAL				\$ 89,685.00
TAX RATE				
SALES TAX				
TOTAL				\$ 89,685.00

If you have any questions concerning this quotation, please contact kristin@tec-nw.com
www.treatmentequipment.com

EXHIBIT A

AERZEN USA CORPORATION

108 Independence Way
Coatesville, PA 19320
Tel. (610) 380-0244 ♦ Fax. (610) 380-0278



AERZEN

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AERZEN Reference Number: E13-34226.R1

6-July-20

Re: Sunnyside, WA

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AERZEN Representative Info:	
Name - Dennis Gleason of Treatment Equipment Company	
e-mail - dennis@tec-nw.com	
phone - (425) 641-4306	

AERZEN Proposal Prepared By:	
Name - Dan Coleman	
email - dan.coleman@aerzen.com	
phone - (484) 718-3607	
AERZEN Regional Manager:	
Name - Tom McCurdy	
e-mail - tom.mccurdy@aerzen.com	
phone - (610) 656-1683	

This scope of supply does NOT include the following items: MCC Starter, External Controls, Isolation Valves, Anchor Bolts and Installation Hardware. VFD is available, either separate or mounted.

Hybrid Blowers

Model: D 62S

Performance Data:

		Max	Design	Min
Intake volume, handled at intake condition	lcfm	2,051	1,823	391
Volume handled at normal condition	scfm	1,800	1,800	343
Relative humidity	Φ	80%	80%	80%
Intake pressure (abs.)	psia	14.33	14.33	14.33
Pressure difference	psig	8.20	8.20	8.20
Intake temperature	°F	100	100	100
Discharge temperature	°F	201	198	226
Main rotor speed	rpm	7,716	6,930	2,100
Motor Speed	rpm	3,555	3,193	968
Power consumption at coupling	bHp	82.9	71.1	19.4
Motor Rating	HP	100		
Tolerance on flow & power	± 5 %			
Sound pressure level w/o enclosure	dB(A)	101		
Sound pressure level w/ enclosure	dB(A)	80		

*Measured in free field at 3ft. distance from the outline of the unit

*does not include system piping noise (tol. ± 2 dB(A)).

Weights & Dimensions:

Inlet connection	CS ANSI	10"	
Discharge connection	EPDM ANSI	8"	
Blower pkg weight	lbs.	4,178	
Envelope dlm.*	LxWxH in.	81 x 67 x 83	Add 16in to width for VFD
460VAC Cooling Fan	kW	0.38	
AERtronic	kW	0.2	

* non binding dimensions includes, inlet filter silencer, relief valve, check valve, and flex connector

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Hybrid Blowers

D 62S

Aerzen Delta Hybrid Blower Package consists of the following components, assembled in our factory.

- Aerzen Rotary Lobe Compressor D Series
- base frame with integrated reactive type silencer
- hinged motor support as automatic belt tensioning device
- set of vibration isolating mounts
- intake filter-silencer
- narrow V-belt drive with guard
- spring loaded pressure relief valve
- discharge manifold with externally accessible integrated check valve
- flexible connector with clamps for schedule 40 pipe, discharge
- flexible connector with clamps for schedule 40 pipe, intake

Scope of Supply

- 1 compact blower package as listed above
- 1 motor 100Hp, 2-pole, NEMA, TEFC, 460v / 60Hz, prm-eff, 405TS, T-Stat, AEGIS ring
- 1 sound enclosure with integral 460V cooling fan and factory supplied fan motor starter
- 1 set of sensors (P1, P2, T2 & Oil Temp) w/AERtronic Control (460VAC, 5Amp), EM4, Ethernet IP, E-Stop
- 1 VFD, NEMA 12, 100HP, w/ DC choke, (250A) fuse disconnect
- 1 VFD comes installed front face mounted on blower
- 1 External Intake filter/silencer, Endustra P09, 10" w/ wire mesh element

Factory Services

- 1 ISO-1217 test report(s)
- 1 factory set PRV to 10.9 psig

Onsite Manufacturer Services

- 1 trip(s), 1 day(s) total installation inspection, startup, testing & training

Spare Parts

- 1 air filter, 1 belt set, 3 Delta Lube 1-Gal,

Freight & Packaging

- 1 freight to jobsite
- 1 domestic packaging

TOTAL (1) Unit \$89,685.00 c/o: Dennis Gleason of Treatment Equipment Company

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Pricing: DAP Jobsite

Terms: This offer is subject to Aerzen Standard Terms and Conditions (A2-001-USA January 2009)

Warranty: 24 months after start up or 30 months after delivery, which ever comes first on Aerzen package*

*Maintenance must be performed per the Instruction Manual using Aerzen spare parts.

*Equipment not manufactured by Aerzen will carry the manufacturer's standard warranty.