

Memo

To: Mayor and Council
From: Robin Bowman / Public Works Superintendent
CC: Joe Kohlmann / City Administrator
Date: 4/8/2014
Re: Desiccant Air Dryer for water plant – Capital Purchase

City staff has discovered that the Desiccant Air Dryer in the water plant is not in working order. The City

needs to replace it to help keep the air lines dry. The City's new lime silo filter requires dry air lines to prevent freezing when the air line falls below -20 degrees and colder.

Staff has run the new airline where we plan on putting the new Desiccant Air Dryer. City Staff can install the Desiccant system. By having City Staff conduct the installation, the City can save approximately \$300.

<u>Desiccant Air Dryer</u>	<u>Cost</u>
• Glacier Technology Inc \$3,759.00 less the by-pass kit of \$282.00	\$3,477.00
• Applied air system Inc \$3,568.02 less the by-pass kit of \$395.01	\$3,173.01
• Air Compressors Plus	\$2,789.00

Source of Funds.

Option 1: Use the savings from the Water CIP Dust Collector & Fan. The budget had \$33,000 and the City only used \$10,679.00 to date. The City will spend \$5,938.00 to have it installed. This does not include the electrician cost of \$1,320.00, totaling approximately \$17,937.00. This leaves a remaining balance of \$15,063.00 that we could draw from. **(Staff Recommendation)**.

Option 2: Use water operating repairs/supplies/maintenance. There is a line item of \$3,500.00 for miscellaneous repairs. This will reduce the line item to a balance of \$711.00.

Council Action Requested:

Motion to approve the purchase and installation of the Desiccant Air Dryer System from Air Compressors Plus at the cost of \$2,789.00. Approve the Staff recommendation to allocate CIP dollars for the purchase.



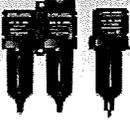
1846 Berkshire Lane, Plymouth, MN 55441

(763) 577-0103 • FAX: (763) 577-3799 • www.glacier-technology.com

Glacier Technology
1846 Berkshire Lane
Plymouth, MN 55441

TO: Matt Witter Matt@glacier-technology.com cell (763) 443-6901 office (763) 244-1159

RE: Compressed Air Equipment Quote for HR6.5-11 Dryer

	Product	Model or Part #	List Price	Discounted Pricing
	Twin Tower Desiccant Regenerative dryer (shown with optional gauges and moisture indicator) 35 cfm Inlet flow, 7.8 cfm purge, 1/2 ports, 29 lbs.	HR6.5-11		\$2,639
	Pressure Gauge Set	#30800		\$85
	Moisture Indicator	#30803		\$98
Related Installation Items				
	3 Filter modular set with Regulator and brackets 1/2" NPT ports, includes modular jointer set and wall brackets Pre-filter #1, 5 micron with float drain Pre-filter #2, 0.01 micron with float drain After-filter, .5 micron	#51365-R		\$655
	By-Pass Valve Kit. Allows the dryer and filters to be taken off-line for maintenance without interrupting compressed air flow.	#30811		\$282
			Total Price	\$3,759

Applied Air Systems Inc.
 PO Box 1524
 Lakeville, MN 55044-1524

Quotation

DATE	ESTIMATE #
10/29/2013	7901

NAME / ADDRESS
City of Tonka Bay 4901 Manitou Road Tonka Bay, MN 55331

Compressed Air Specialists

		P.O. NO.	TERMS	FOB	PROJECT
			Net 30	Factory	
ITEM	DESCRIPTION	QTY	COST	TOTAL	
DHW-35N	Hankison DHW-35N Dual Tower Heatless Desiccant Dryer.	1	2,690.01	2,690.01	
DHW Filter Package	Pre and after filter package for the DHW series dryer	1	483.00	483.00	
DHW-35NABP	Air By-Pass, DHW-35N	1	395.01	395.01	
	Sales Tax		6.875%	0.00	
All Quotations + Frt. & Tax				TOTAL	\$3,568.02

Phone #	Fax #	E-mail
952-985-0885	952-985-0850	rm@appliedairsystems.com

AIR COMPRESSORS PLUS L.L.C.
 550 FLYING CLOUD DR. 1B
 CHASKA, MN 55318
 USA

SALES ORDER

Sales Order Number: 36195
 Sales Order Date: Mar 19, 2014
 Ship By: Mar 19, 2014
 Page: 1

Voice: 952-445-6431
 Fax: 952-445-6431

To:
 SAME AS SHIP TO

Ship To:
 CITY OF TONKA BAY
 4901 MANITOU RD
 952-474-2947
 TONKA BAY, MN 55331

Customer ID	PO Number	Sales Rep Name
RETAIL	ROBIN	
Customer Contact	Shipping Method	Payment Terms
	SPEE-DEE	C.O.D.

Quantity	Item	Description	Unit Price	Amount
1.00	SHOP	REGENITIVE DRYER SYSTEM 35 CFM \$80.00 PER HR DELIVER AND INSTALL	2,789.00	2,789.00
Subtotal				2,789.00
Sales Tax				
Freight				0.00
TOTAL ORDER AMOUNT				2,789.00