



Phone: (954) 545-7016

**City of Pompano Beach
UTILITIES TREATMENT PLANT**

Fax: (954) 545-7046

MEMORANDUM NO. 16 - 34

DATE: July 7, 2016

TO: Otis Thomas, General Services Director

FROM: Phil Hyer, Utilities Treatment Plants Superintendent PH

C: A. Randolph Brown, Utilities Director *ARB*

SUBJECT: Recommendation of Co-op Bid L-43-16 Award for Carbon Dioxide

Explanation:

The City of Pompano Beach Purchasing Department solicited bids on behalf of participating Southeast Florida Governmental Purchasing Cooperative agencies for the purchase of Carbon Dioxide.

The sole bid was \$224.50 per ton from Airgas USA, LLC. This is an increase from the prior Airgas USA, LLC (2015) contract price of \$220.00 per ton.

The continued use of Carbon Dioxide is necessary for the production of drinking water at the City of Pompano Beach Water Treatment Plant. Carbon Dioxide is used to lower the pH of water following the lime softening treatment process, assisting in maintaining regulatory compliance.

Recommendation:

The Utilities Department recommends that the City Manager and City Commission award bid number L-43-16 to the sole bidder, Airgas USA, LLC. Funding is available in account 412-3320-533-52-05.

BID AWARD RECOMMENDATION FORM

From: Purchasing Division Cassandra LeMasurier Date 07/7/16

To: Utilities Treatment Plant WTP Department Attn.: Phil Hyer

Subject: Bid No. L-43-16 Item/service: Carbon Dioxide, Liquid, Bulk Delivery (Co-op Bid)

Attached is the Bid Tabulation for subject item/service requisitioned by your department. Please complete this form in order that proper presentation and recommendations may be made to the City Commission for its approval, as appropriate. Your response should be typed. Please return this form to the Purchasing Division within three weeks of receipt.

This form must be accompanied by a memorandum explaining the item/service to be purchased, what it will be used for, stating that it is either a replacement or an additional item, and any other pertinent information which might be requested by the City Commission. This memo should also contain a detailed justification if you are rejecting a low bidder (see below).

1. SOURCE OF FUNDS:

Budgeted Code: 412-3320-533-52-05

Title: Chemicals/Horticulture

2. RECOMMENDATION:

(a) Which bidder do you recommend?

Air Gas USA, LLC

(b) Is the recommended bid the lowest bid received?

Yes X No

Note: If you recommend award to other than the low bidder detailed justification must be furnished for rejection of all lower bids, in an accompanying memorandum.

(c) If references were required, were they checked?

Yes No Not applicable for this bid X

Signature:  Date: 7/7/16

Title: Utilities Director
(Department Head)

CITY OF POMPANO BEACH - BID TABULATION
L-43-16 Carbon Dioxide, Liquid Bulk Delivered Co-op
7/6/2016

Event Number	L-43-16 Addendum 1	Organization	City of Pompano Beach, FL
Event Title	Carbon Dioxide, Liquid, Bulk Delivery	Workgroup	Purchasing
Event Description	The City of Pompano Beach is currently soliciting bids to establish an annual contract for the purchase of liquid carbon dioxide.	Event Owner	Cassandra LeMasurier
Event Type	IFB	Email	cassandra.lemasurier@copbfl.com
Issue Date	6/7/2016 12:00 PM (ET)	Phone	1 (954) 786-4098
Close Date	7/6/2016 02:00 PM (ET)	Fax	1 (954) 786-4168

Responding Supplier	City	State	Response Total
Airgas USA, LLC South Region	Atlanta	GA	\$560,688.75

			Airgas USA, LLC South Region	
Line Item #/ Description	QTY	UOM	Unit	Extended
1. Liquid Carbon Dioxide, delivered, as specified	2497.5	Tons	\$224.50	\$560,688.75
			Total Price	\$560,688.75

Delivery Time After Receipt of Order	48 hours
Minimum Order	10 tons



Airgas Carbonic Incorporated
2530 Sever Road, Suite 300
Lawrenceville, GA 30043
(770) 717-2210

CERTIFICATE OF COMPLIANCE

The liquid carbon dioxide produced at our plant meets and/or exceeds the specification limits set by the Compressed Gas Association G-6.2-2011, Quality Verification Level 1 (Beverage Grade), which exceeds the specifications of the United States Pharmacopeia and the Food Chemicals Codex (Food Processing).

COMPONENT	SPECIFICATION	TYPICAL RESULT	DETECTION LIMIT
Carbon Dioxide	99.90 % Min.	99.97%-99.99%	± 0.01%
Water (Moisture)	20.0 ppm (-68°F Dew Pt.)	5.0 ppm (-85°F Dew Pt.)	1.0 ppm (-105°F Dew Pt.)
Oxygen	30.0 ppm	<5.0 ppm	0.05 ppm
Carbon Monoxide	10.0 ppm	<2.0 ppm	2.0 ppm
Methanol	10.0 ppm	<2.0 ppm	1.0 ppm
Nitric Oxide	2.5 ppm	<0.5 ppm	0.5 ppm
Nitrogen Dioxide	2.5 ppm	<0.5 ppm	0.5 ppm
Total Sulfur (All Sulfurs)	0.100 ppm	<0.010 ppm	0.002 ppm
Acetaldehyde	0.200 ppm	<0.050 ppm	0.050 ppm
Ammonia	2.50 ppm	<2.00 ppm	2.00 ppm
Benzene	0.020 ppm	<0.005 ppm	0.005 ppm
Oil (wt/wt)	5.0 ppm	<1.0 ppm	1.0 ppm
Total Volatile Hydrocarbons (as Methane)(including 20 ppm v/v max as total non-methane hydrocarbons)	50.0 ppm	<10.0 ppm	1.0 ppm
Nonvolatile Residues (wt/wt)	10.0 ppm	<2.0 ppm	1.0 ppm
Odor/Taste/Turbidity	No foreign odor/taste	No foreign odor/taste	N/A
Snow Test (Odor of solid Carbon Dioxide)	No foreign odor	No foreign odor	N/A

Specification limit in ppm (v/v) maximum allowable unless otherwise stated.

N/A: Not Applicable.

Approved by:

Effective Date: 01 January 2016

Matthew C. Erwin
Director of Quality Assurance
Airgas Carbonic, Inc.

NSF Product and Service Listings

These NSF Official Listings are current as of **Friday, June 10, 2016** at 12:15 a.m. Eastern Time. Please [contact NSF International](#) to confirm the status of any Listing, report errors, or make suggestions.

Alert: NSF is concerned about fraudulent downloading and manipulation of website text. Always confirm this information by clicking on the below link for the most accurate information:

<http://info.nsf.org/Certified/PwsChemicals/Listings.asp?CompanyName=Airgas+Carbonic&ChemicalName=Carbon+Dioxide&>

NSF/ANSI 60 Drinking Water Treatment Chemicals - Health Effects

Airgas Carbonic

2530 Sever Road
Suite 300
Lawrenceville, GA 30043
United States
770-717-2200

Facility : Augusta, GA

Carbon Dioxide

Trade Designation

Carbon Dioxide

Product Function

pH Adjustment

Max Use

200 mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Pelham, GA

Carbon Dioxide

Trade Designation

Carbon Dioxide

Product Function

Corrosion & Scale Control

Max Use

200mg/L

pH Adjustment

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Blissfield, MI

Carbon Dioxide <i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Liquid Carbon Dioxide Refrigerated	pH Adjustment	200mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Star, MS

Carbon Dioxide <i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Carbon Dioxide	pH Adjustment	200 mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Alvin, TX

Carbon Dioxide <i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
Carbon Dioxide	Corrosion & Scale Control pH Adjustment	200mg/L

NOTE: Only products bearing the NSF Mark on the product, product packaging, and/or documentation shipped with the product are Certified.

Facility : Hopewell, VA

Carbon Dioxide <i>Trade Designation</i>	<i>Product Function</i>	<i>Max Use</i>
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Carbon Dioxide

Corrosion & Scale Control 200mg/L
pH Adjustment

NOTE: Only products bearing the NSF Mark on the product, product
packaging, and/or
documentation shipped with the product are Certified.

Number of matching Manufacturers is 1

Number of matching Products is 6

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