

**ISSUING DEPARTMENT INPUT DOCUMENT**  
**CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION**

New   
  OTR   
  Sole Source   
  Bid Waiver   
  Emergency   
 Previous Contract/Project No. FB-00739  
Contract  
 Re-Bid   
  Other – \_\_\_\_\_   
 LIVING WAGE APPLIES:  YES  NO

Requisition No./Project No.: RQID2100448   
 TERM OF CONTRACT 5 YEAR(S) WITH \_\_\_\_\_ YEAR(S) OTR

Requisition /Project Title: Liquid Carbon Dioxide & Storage Tanks

Description:  
Purchasing and delivery of liquid carbon dioxide for the Parks & Recreation Department.

Issuing Department: ISD   
 Contact Person: Marcelo Cam   
 Phone: 305-375-4258

Estimate Cost/Value: \$500,000   
 GENERAL    FEDERAL    OTHER  
 Funding Source: X    \_\_\_\_\_    \_\_\_\_\_

**ANALYSIS**

<b>Commodity Codes:</b>	<u>190-36</u>	<u>NIGP</u>	_____	_____	_____
Contract/Project History of previous purchases three (3) years Check here <input type="checkbox"/> if this is a new contract/purchase with no previous history.					
	<b><u>EXISTING</u></b>	<b><u>2<sup>ND</sup> YEAR</u></b>	<b><u>3<sup>RD</sup> YEAR</u></b>		
<b>Contractor:</b>	<u>Carlton, Inc.</u>	_____	_____		
<b>Small Business Enterprise:</b>	_____	_____	_____		
<b>Contract Value:</b>	<u>\$283,100</u>	_____	_____		
<b>Comments:</b>	_____				

Continued on another page (s):  YES  NO

**RECOMMENDATIONS**

	Set-Aside	Subcontractor Goal	Bid Preference	Selection Factor
<b>SBE</b>	_____	_____	_____	_____

**Basis of Recommendation:**  
 \_\_\_\_\_  
 \_\_\_\_\_

Signed: Marcelo Cam   
 Date sent to SBD: 5/31/2022

	Date returned to SPD:	
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Rev. 072518

## SECTION 2

### ADDITIONAL/SPECIAL TERMS AND CONDITIONS

#### **2.1 PURPOSE**

The purpose of this solicitation is to establish a contract for the purchase and delivery of Liquid Carbon Dioxide (CO<sub>2</sub>); and monthly rental of storage tanks in conjunction with the County's needs on an as-needed basis.

#### **2.2 TERM OF CONTRACT**

This Contract shall commence on the first calendar day of the month succeeding approval of the Contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the Purchase Order issued by the Internal Services Department, Strategic Procurement Division. The Contract shall expire on the last day of the sixtieth (60th) month.

#### **2.3 METHOD OF AWARD**

Award of this contract will be made to the lowest responsive, responsible Bidder who submits an offer on all items listed in the solicitation and whose offer represents the lowest price when all items are added in the aggregate. If a Bidder fails to submit an offer on all items listed in the solicitation, its overall offer will be rejected.

#### **2.4 QUALIFICATION CRITERIA**

Bidders must meet the following requirements to be considered for award:

**2.4.1** Bidder or Bidder's Subcontractor shall be regularly engaged in the business of providing Liquid Carbon Dioxide, storage tank rental, and delivery services to be considered for award. Bidder or Bidder's Subcontractor shall provide three (3) different references from customers to whom the Bidder or Bidder's Subcontractor has provided or is currently providing Liquid Carbon Dioxide (CO<sub>2</sub>) handling and delivery services as described throughout this Solicitation. In lieu of the references from the Bidder or Bidder's Subcontractor, the County will consider the references from Bidder's key personnel in accordance with Resolution No. 1122-21.

The references should include the customer's company name, and the contact's name, title, address, telephone number, and e-mail address of the contact person who can verify that the Bidder/key personnel/Subcontractor has successfully provided the services (Section 4: Bid Submittal – Required Criteria). These references shall ascertain to the County's satisfaction that the Bidder/key personnel/Subcontractor has sufficient expertise in the industry and its firm is properly equipped to perform the required services.

**2.4.2** Bidder shall be the product and equipment manufacturer or be authorized by the manufacturers or their designee as a direct distributor, to be considered for award. A third-party

bidder (reseller or toll blender) will not be considered for award. Bidders are required to submit proof of manufacturer's authorization with their offer.

The proof may be in the form of a formal notice on manufacturer's company letterhead identifying the Bidder as the product and/or equipment manufacturer or designating the Bidder as equivalent direct authorized distributor. The notice must include contact name and phone number from an authorized signature and be signed and dated within 12 months of bid submission.

**2.4.3** Bidder shall provide an American National Standard Institute/National Science Foundation Standard 60 Certification (ANSI/NSF Standard 60 Certification) for Drinking Water Treatment Chemicals for the chemical being offered, equivalent certifications are prohibited.

**2.4.4** Bidder shall provide a certification provided by the manufacturer indicating that the material meets the requirements of American Water Works Associations (AWWA) Standard B510-95 and FAC 62-555.

**2.4.5** Bidder shall provide Safety Data Sheets supplied by the manufacturer.

The County at its sole discretion may request additional information in order to assess bidder responsibility. Failure to supply the above listed documents may result in the bidder being deemed non-responsible.

## **2.5 PRICES**

Prices shall remain fixed and firm for a one-year period from the effective date of the Contract. It is the Awarded Bidder responsibility to request pricing adjustments under this provision ninety (90) days prior to anniversary of the effective date of the contract. Adjustments shall not be in excess of the relevant pricing index change and not exceeding 5% annually. The County will review requests for price adjustments for services only based on the U.S Bureau of Labor Statistics Producer Price Index (PPI): PPI Commodity data for Chemicals and allied products-Carbon dioxide, not seasonally adjusted, Series ID: WPU06790302 ( <https://beta.bls.gov/dataViewer/view/timeseries/WPU06790302> ).

The period used to calculate the adjustment will include no more than twelve (12) months, starting from the effective date of the contract, using index above and include as many months as published (available) in the 12th month, including preliminary numbers during the current twelve (12) months, as not all months may be available for calculations.

The County reserves the right to reject any price adjustments submitted by the Awarded Bidder and/or terminate the contract with Awarded Bidder based on such price adjustment. If the County authorizes an adjustment, the awarded price(s) will be multiplied times the index percentage change, and that amount will be added to the awarded prices and become the new awarded price(s) for the next twelve (12) months. The price adjustment, if any, will take effect on the first month of the next twelve (12) month period.

The County reserves the right to negotiate lower pricing based on the market research information or other factors that influence price. The County reserves the right to apply any reduction in pricing for the next 12-month period based on the downward movement of the appropriate index.

The Awarded Bidder's price shall be inclusive of all costs, charges, and fees involved in providing the specified product and equipment. Additional charges of any kind added to the invoice submitted by the Awarded Bidder is prohibited.

2.6 INSURANCE

(TBD)

DRAFT

## SECTION 3

### SCOPE OF WORK/TECHNICAL SPECIFICATIONS

#### **3.1 SCOPE OF WORK**

This contract is for the purchase and delivery of an annual estimated 30,000 lbs. of liquid carbon dioxide (CO<sub>2</sub>); and monthly rental storage tanks to various Miami-Dade County swimming pool facilities. The liquid carbon dioxide will be fed into public swimming pools for pH control applications. The tanks are used for storage of the liquid carbon dioxide. The Awarded Bidder shall be responsible for the upkeep of storage tanks, lockable outside fill ports and all CO<sub>2</sub> lines and valves in and from tanks to the feeder pumps. The Awarded Bidder shall respond within 24 hours of equipment service calls.

#### **3.2 LIQUID CARBON DIOXIDE (CO<sub>2</sub>) / STORAGE TANKS**

Chemical requirements:

The Awarded Bidder shall provide carbon dioxide suitable for use in the treatment of potable water. The product supplied shall have a carbon dioxide content of at least 99.5 percent by weight and shall contain no soluble inorganic or organic substances in quantities capable of producing deleterious or injurious effects on the health of those consuming the water, or otherwise render the water unfit for public use. It shall not impart contaminants that would cause the established drinking water standards to be exceeded.

The carbon dioxide supplied by the Awarded Bidder shall meet the following:

- A. Water content of the liquid carbon dioxide shall not exceed 120 ppm at the time of delivery
- B. Nonvolatile residues of the carbon dioxide shall not exceed 10 ppm at time of delivery.
- C. Total sulfides shall not exceed 0.5 ppm as hydrogen sulfide

Storage tank requirements:

- A. CAPACITY: 300 to 550 lbs.
- B. DESIGN CRITERIA: Meets American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Design Section VIII, Division I
- C. MATERIAL: Stainless steel inner and outer vessel
- D. SIZE AND DIMENSION: 300 or 550 lb bulk tanks. Dimensions are to be determined by location depending on space constraints.
- E. LIQUID LEVEL GAUGE: Float Type
- F. EVAPORATION RATE: 2.5 lbs. /day

- G. PEAK FLOW RATE: 10 lbs. /hr.
- H. CO2 DELIVERY RATE/ CONTINUOUS: 5.5 lbs. /hr.
- I. ASME, RELIEF VALVE SETTING: 300 psig
- J. VENT CONNECTION: ½ inch OD Tube

**3.3 INSTALLATION**

The Awarded Bidder shall be required to furnish and fully install the appropriate materials and products identified in this solicitation at a facility designated by the County. The Awarded Bidder shall also be required to provide an appropriate safe handling training course to County personnel, at no additional cost, on the appropriate use of the materials or products as, and if, necessary.

**3.4 DELIVERY**

Awarded Bidder shall deliver the liquid carbon dioxide within two (2) calendar days after the date of order from the user department. Deliveries will be accepted Monday through Friday between the hours of 9:00 A.M. and 5:00 PM. Delivery shall be made by tanker trucks. All trucks used to delivery product shall comply with all Federal, State, and Local regulations covering the transportation of hazardous products. The delivery vehicle shall supply all necessary hoses, meters, and pumps to accomplish delivery at all designated locations. The tanker shall be cleaned prior to filling and shall be protected against impurities during the filling and delivery process in accordance with Federal specifications.

**DELIVERY LOCATIONS:**

A.D Barnes Pool (Year Round) 3401 SW 72nd Ave Miami, FL 33155 Two (2) Tanks	Arcola Pool (6 Month) 1680 NW 87th Street Miami, FL 33147 One (1) Tank	Gould's Pool (Year Round) 21805 SW 114th Ave Miami, FL 33170 Two (2) Tanks	Gwen Cherry Pool (6 Month) 2591 NW 71st Street Miami, FL 33147 Two (2) Tanks
Little River Pool (6 Month) 10525 NW 24th Ave Miami, FL 33147 One (1) Tank	Marva Y Bannerman Pool (Year Round) 4820 NW 24th Ave Miami, FL 33142 One (1) Tank	Naranja Pool (6 Month) 14150 SW 264th Street Miami, FL 33032 Two (2) Tanks	North Pointe Pool (Year Round) 7351 NW 186th Street Miami, FL 33015 Two (2) Tanks
Oak Grove Pool (Year Round) 690 NE 159th Street Miami, FL 33162 Two (2) Tanks	Palm Springs North Pool (Year Round) 7901 NW 176th Street Miami, FL 33015 One (1) Tank	Rockway Pool (Year Round) 3401 SW 72nd Ave Miami, FL 33155 One (1) Tank	Sgt. Delancy Pool (6 Month) 14375 Boggs Dr. Miami, FL 33176 Two (2) Tanks
South Dade Aquatic Center (Year Round) 16350 SW 280th Street Miami, FL 33031 Two (2) Tanks	Tamiami Pool (Year Round) 11201 SW 24th Street Miami, FL 33165 Two (2) Tanks	Tropical Estates Pool (6 Month) 10201 SW 48th Street Miami, FL 33165 One (1) Tank	West Perrine Aquatic Center (Year Round) 10355 SW 172nd Street Miami, FL 33157 Two (2) Tanks

#### DELIVERY AND REMOVAL OF EQUIPMENT:

Awarded Bidder shall deliver the storage tanks within 15 calendar days after the date that the order is placed by the County. The Awarded Bidder agrees to retain the equipment at the designated County premises for additional 30 calendar days after the termination of any contract resulting from this solicitation, at which time the equipment shall be removed from the premise. The Awarded Bidder shall be allowed to invoice the County department for this additional period on a pro-rated basis.

#### PACKING SLIP / DELIVERY TICKET:

Awarded Bidder shall enclose a complete packing slip and/or delivery ticket with any items to be delivered in conjunction with this solicitation. The packing slip / delivery ticket shall be available to the County's authorized representative during delivery. The packing slip / delivery ticket shall include, at a minimum, the following information: purchase order number; date of order; a complete listing of items being delivered; and back-order quantities and estimated delivery of back-orders if applicable.

#### FACILITIES MAY BE ADDED / DELETED:

Although this solicitation identifies specific facilities where the services are currently provided, it is hereby agreed and understood that County departments may move, add, or delete facilities when needed or no longer required during the contract period. The County department will provide written notice of no less than thirty (30) calendar days to the Awarded Bidder of such move, addition or deletion. The County may obtain price quotes for services in additional facilities from other vendors in the event that fair and reasonable pricing is not obtained from the Awarded Bidder, or for other reasons at the County's discretion.

### **3.5 OTHER ITEMS / RENTAL SERVICES**

While the County has listed identified chemicals and equipment within this solicitation which are utilized in conjunction its operations, there may be similar items that must be purchased by County departments during the term of any contract resulting from this solicitation. Under these circumstances, a County representative may obtain a price quote from the Awarded Bidder for these items. The County reserves the right to award these similar items to the Awarded Bidder based on the price quoted, to negotiate a price with the awarded vendor for these similar items, or to acquire the items through a separate solicitation.

### **3.6 COMPLIANCE / REGULATION**

#### FEDERAL STANDARDS

All services / items to be purchased under this contract shall be in accordance with all governmental standards, to include, but not be limited to, those issued by the Occupational Safety and Health Administration (OSHA), the National Institute of Occupational Safety Hazards (NIOSH), and the National Fire Protection Association (NFPA).



## POLLUTION CONTROL

It is the intent of these specifications to comply with the Miami-Dade County Pollution Control Ordinance as stated in Chapter 24 of the Miami-Dade Code. This ordinance is made a part of these specifications by reference and may be obtained, if necessary, by contacting the following:

Department of Regulatory and Economic Recourses (RER)

701 NW 1st Court, Suite 400

Miami, Florida 33136

Telephone (305) 372-6789

**New Delivery Location Opening May of 2023**

**Lake Stevens Park Splash Pad**

**(6 Month)**

**5375 N.W. 183<sup>rd</sup> Street**

**Miami, FL 33055**

**One (1) Tank**

**SECTION 4**

**BID SUBMITTAL REQUIRED CRITERIA**

<b>TO BE COMPLETED BY ALL BIDDERS</b>	
Refer to Paragraph 2.4 to ensure that Bidder's responses and attachments comply with the Solicitation's requirements. Check box in right column to indicate requirement completed and attached.	
<b>Paragraph Reference</b>	<b>Bidder Requirements</b>
<b>2.4.1</b>	<p>Bidder or Bidder's Subcontractor shall be regularly engaged in the business of providing Liquid Carbon Dioxide (CO2) to be considered for award. Bidder or Bidder's Subcontractor shall provide three (3) <b><i>different</i></b> references from customers to whom the Bidder has provided or is currently providing Liquid Carbon Dioxide (CO2) handling, storage rental and delivery services as described throughout this Solicitation. In lieu of the references from the Bidder or Bidder's Subcontractor, the County will consider the references from Bidder's key personnel in accordance with Resolution No. 1122-21.</p> <p>The references should include the customer's company name, and the contact's name, title, address, telephone number, and e-mail address of the contact person who can verify that the Bidder/Subcontractor/Bidder's key personnel has successfully provided the services. These references shall ascertain to the County's satisfaction that the Bidder has sufficient expertise in the industry and its firm is properly equipped to perform the required services.</p> <p><b>Reference Company Name No. 1:</b> <input type="text"/></p> <p>Is reference for the Bidder, Subcontractor, <b>or</b> key personnel: <input type="text"/></p> <p>If <b>Subcontractor</b>, then identify the name of the Subcontractor: <input type="text"/></p> <p>If <b>key personnel</b>, then identify the name of the key personnel: <input type="text"/></p> <p>and make sure that company key personnel worked for is listed <u>above</u> as "Reference Company 1." <input type="checkbox"/></p> <p>Contact's name: _____ Title: _____</p> <p>Address: _____</p> <p>Phone Number: _____ Email: _____</p> <p><b>Reference Company Name No. 2:</b> <input type="text"/></p> <p>Is reference for the Bidder, Subcontractor, <b>or</b> key personnel: <input type="text"/></p> <p>If <b>Subcontractor</b>, then identify the name of the Subcontractor: <input type="text"/></p> <p>If <b>key personnel</b>, then identify the name of the key personnel: <input type="text"/></p> <p>and make sure that company key personnel worked for is listed <u>above</u> as "Reference Company 2."</p> <p>Contact's name: _____ Title: _____</p> <p>Address: _____</p> <p>Phone Number: _____ Email: _____</p>

	<p><b>Reference Company Name No. 3:</b> <input type="text"/></p> <p>Is reference for the Bidder, Subcontractor, <b>or</b> key personnel: <input type="text"/></p> <p>If <b>Subcontractor</b>, then identify the name of the Subcontractor: <input type="text"/></p> <p>If <b>key personnel</b>, then identify the name of the key personnel: <input type="text"/></p> <p>and make sure that company key personnel worked for is listed <u>above</u> as "Reference Company 3."</p> <p>Contact's name: _____ Title: _____</p> <p>Address: _____</p> <p>Phone Number: _____ Email: _____</p>	
<p><b>2.4.2</b></p>	<p>Bidder shall be the product and equipment manufacturer or be authorized by the manufacturers or their designee as a direct distributor, to be considered for award. A third-party bidder (reseller or toll blender) will not be considered for award. Bidders are required to submit proof of manufacturer's authorization with their offer.</p> <p>The proof may be in the form of a formal notice on manufacturer's company letterhead identifying the Bidder as the product and/or equipment manufacturer or designating the Bidder as equivalent direct authorized distributor. The notice must include contact name and phone number from an authorized signature and be signed and dated within 12 months of bid submission.</p>	<p><input type="checkbox"/></p>
<p><b>2.4.3</b></p>	<p>Bidder shall provide an American National Standard Institute/National Science Foundation Standard 60 Certification (ANSI/NSF Standard 60 Certification) for Drinking Water Treatment Chemicals for the chemical being offered, equivalent certifications are prohibited.</p>	<p><input type="checkbox"/></p>
<p><b>2.4.4.</b></p>	<p>Bidder shall provide a certification provided by the manufacturer indicating that the material meets the requirements of American Water Works Associations (AWWA) Standard B510-95 and FAC 62-555.</p>	<p><input type="checkbox"/></p>
<p><b>2.4.5.</b></p>	<p>Bidder shall provide Safety Data Sheets supplied by the manufacturer.</p>	<p><input type="checkbox"/></p>

**SECTION 4**

**BID SUBMITTAL PRICE SCHEDULE FORM**

**FIRM NAME:** \_\_\_\_\_ **FEIN:** \_\_\_\_\_

<b>TO BE COMPLETED BY ALL BIDDERS</b>				
<b>LIQUID CARBON (CO2) DIOXIDE AND STORAGE TANKS</b>				
Award of the contract will be made to the single responsible bidder who submits a responsive offer on all items listed in the solicitation and whose offer represents the lowest price when all items are added in the aggregate. If a bidder fails to submit an offer on all items, its overall offer may be deemed non-responsive.				
Item	Annual Est Quantity	Unit of Measure	Description	Unit Price
1	50,000	Pounds	Liquid Carbon Dioxide (CO2), as defined in Paragraph 3.2.	\$ _____ Per lbs.
2	17	Tanks	Rental of 550 LB Bulk CO2 Tank, as specified in Paragraph 3.2.	\$ _____ Per tank /Per Month
3	10	Tanks	Rental of 300 LB Bulk CO2 Tank, as specified in Paragraph 3.2.	\$ _____ Per tank /Per Month
4	27	Tanks	Installation of Storage Tanks (One-time fee)	\$ _____ Per tank