CITY OF Grand Junction COLORADO

Purchasing Division

ADDENDUM NO. 2

DATE: April 1, 2026
FROM: City of Grand Junction Purchasing Division
TO: All Offerors
RE: Carbon Dioxide (CO_2) Chemical Feed System and Supply RFQ-5889-26-KN

Offerors responding to the above-mentioned solicitation are hereby instructed that the requirements have been clarified, modified, superseded and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

1. **Q:** Are we bidding one system for all 5 pools? Or individual systems?

   A: This would be one system for all five pools, covering all gallons of water.

2. **Q:** High Pressure Indicated – What is considered high pressure? For the size of the pools a bulk tank would better fit this application versus multi packs of cylinders. We have this generically calculated at 1300 lbs per month. Is there a designated inlet pressure per the current design?
   a) 26 of the 50# CO2 Cylinders (every 3 week delivery schedule)
   b) Or 3 Ton Bulk tank filled every 3-4 months

   A: Based on recommendations from consultants and our experience with pool systems, this project will be opting for a high-pressure system rather than bulk tanks on a low-pressure system. There is no designated inlet pressure per the current design.

3. **Q:** Will the CO2 supply system be installed indoors around the other pool chemical dosing systems? Requires a special protective coating on our tanks if yes.

   A: The CO2 supply system will be installed in its own chemical storage room. It will be next door to the Cl supply but will not be in the same room. The doors will open up to the outside of the building.

4. **Q:** Turnover Rate – How many times in a day will the water volume be turned over in the system.

   A: LAP POOL: turnover rate of 300 minutes. 216,658 gallons, 722 GPM.
   WELLNESS POOL: turnover rate of 120 minutes. 30,262 gallons, 252 GPM.
   ZERO DEPTH POOL: turnover rate of 50 minutes. 5,965 gallons, 120 GPM.
   LEISURE POOL: turnover rate of 120 minutes. 120,583 gallons, 1,005 GPM.
   PLUNGE POOL: turnover rate of 300 minutes. 126,777 gallons, 423 GPM.

5. **Q:** Kid Pools tend to turn over more and utilize more CO2 – how many and volumes of the kid pools.

   A: Please refer to answer of Question 4 for our zero-depth pool.

6. **Q:** One system pushing though all 5 pools or individual piped /pump systems per pool.

   A: Please refer to answer of Question 1. See attached PL300 for a piping plan.

7. **Q:** What footprint is available for the CO2 supply system?

   A: The CO2 room is a total of 69 square feet.

8. **Q:** We need to understand the water flowrates of the five pools.

   A: Please refer to answer of Question 4. See attached drawings. PL300 will have a full piping plan, while PL400, PL401, and PL405 will have mechanical details.

9. **Q:** How are the pools are tied together and how do they interact? I.e. a flow diagram or P&ID.

   A: Please see attached drawings. Piping plans can be found in PL300, along with full mechanical schematics in PL400, PL401, and PL405.

10. **Q:** We need to understand the desired CO2 injection point(s) on the flow diagram.

    A: Please see attached PL405. Be aware that the drawing featuring two large vessels is not accurate, but all other equipment is correct.

11. **Q:** Flow meters are mentioned, what flow is being measured? CO2? Water to/from the pools? Total water?

    A: The flow meters requested are to measure the flow of CO2.

12. **Q:** Where in the flow path is the pH setpoint being measured? What is the desired setpoint and range?

    A: Desired range is between 7.2-7.5 for all bodies of water. Set point will be 7.4 for each body of water but will be adjusted accordingly for specific bather loads.

13. **Q:** Do you have an analysis of the water that includes, methyl orange alkalinity, phenolphthalein alkalinity, current acid usage, current acid concentration and type?

    A: There is not currently a water analysis since the pools are not filled yet.

14. The following attachments are provided for reference and convenience:

    Attachments (links):

    - **Attachment A** – PL300: Overall Piping Plan
    - **Attachment B** – PL400: Basement Mechanical Equipment Plan

- **Attachment C** – PL401: First Floor Mechanical Equipment Plan
- **Attachment D** – PL405: Mechanical Details

Please note: Attachments C and D contain older drawings that include two 750 lb CO_2 vessels. These vessels will no longer be used and are not available.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

K Nelson

Kassy Nelson, Buyer
City of Grand Junction, Colorado