



*City of Arts & Innovation*

# City Council Memorandum

---

**TO: HONORABLE MAYOR AND CITY COUNCIL                      DATE: OCTOBER 6, 2020**

**FROM: GENERAL SERVICES    WARDS: ALL**

**SUBJECT: PURCHASE OF REPLACEMENT COMPRESSED NATURAL GAS FUEL TANKS FROM NATIONAL CNG & FLEET SERVICES OF ONTARIO, CALIFORNIA FOR THREE PUBLIC WORKS STREETS DIVISION VEHICLES, EIGHT PUBLIC WORKS REFUSE DIVISION VEHICLES AND FOUR PUBLIC UTILITIES WATER FIELD SERVICES VEHICLES IN ACCORDANCE WITH PURCHASING RESOLUTION 23256, SECTION 602(D) AND 702 (D) IN THE AMOUNT OF \$264,892.17.**

**ISSUE:**

Approve the purchase of replacement compressed natural gas fuel tanks from National CNG & Fleet Services of Ontario, CA for three Public Works Streets Division vehicles, eight Public Works Refuse Division vehicles, and four Public Utilities Water Field Services vehicles in the amount of \$264,892.17 in accordance with Purchasing Resolution 23256, Section 602 (d) and 702 (d).

**RECOMMENDATION:**

That the City Council approve the purchase of replacement compressed natural gas fuel tanks from National CNG & Fleet Services of Ontario, CA for three Public Works Streets Division vehicles, eight Public Works Refuse Division vehicles and four Public Utilities Water Field Services vehicles in the amount of \$264,892.17 in accordance with Purchasing Resolution 23256, Section 602 (d) and 702 (d).

**BACKGROUND:**

The General Services Fleet Division maintains a wide variety of alternative fuel vehicles, including Compressed Natural Gas (CNG) fueled refuse trucks, street sweepers and dump trucks. Compared to vehicles fueled with conventional diesel and gasoline, natural gas vehicles produce significantly fewer emissions and are an important component of the City's sustainability efforts. Additionally, the City of Riverside is subject to regulations detailed in South Coast Air Quality Management District Rule 1196 which mandates the use of alternative fueled heavy-duty vehicles in a municipal fleet application.

The General Services Fleet Division performs the annual inspection and recertification of the City's CNG fueled vehicles. CNG tanks have a maximum service life of 15 years and cannot be

recertified for use after the expiration date as labeled by the tank manufacture. This leaves the City two options: retire the vehicle(s) or replace expired CNG tanks for vehicles which have both substantial service life remaining and are fiscally prudent candidates for retention as an alternative to replacement.

On July 22, 2020, the City issued Purchase Order No. 212121 to National CNG & Fleet Services of Ontario, CA in the amount of \$49,446.60 to replace the expired CNG fuel tanks in three Public Works Refuse trucks as follows:

| Asset No. | Year | Description                  | CNG Exp. Date | Cost               |
|-----------|------|------------------------------|---------------|--------------------|
| E341      | 2005 | Freightliner FL70 (Refuse)   | 07-2019       | 16,482.20          |
| S133      | 2005 | Autocar WX64 Packer (Refuse) | 06-2019       | 16,482.20          |
| S135      | 2005 | Autocar WX64 Packer (Refuse) | 01-2020       | 16,482.20          |
|           |      |                              | <b>Total:</b> | <b>\$49,446.60</b> |

As the City's CNG powered fleet approaches the 15-year mark, additional vehicles will either need to be taken out of service or have expired CNG tanks replaced.

### **DISCUSSION:**

In reviewing the annual CNG Inspection list, eight Public Works Refuse Division vehicles, three Public Works Streets Division vehicles and four Public Utilities Water Field Services vehicles have CNG tanks that have either expired or will be expiring in the near future, as outlined in the table below.

| Asset No. | Year | Description                                  | CNG Exp. Date | Cost                |
|-----------|------|--|---------------|---------------------|
| I060      | 2007 | Schwarze M6000 Sweeper (PW-Streets)          | 07-2021       | 9,889.00            |
| I061      | 2007 | Schwarze M6000 Sweeper (PW-Streets)          | 07-2021       | 9,889.00            |
| J164      | 2006 | Freightliner Rear Loading Packer (PW-Refuse) | 09-2020       | 20,362.84           |
| J165      | 2006 | Autocar WX64 Packer (PW-Refuse)              | 01-2021       | 19,120.23           |
| J166      | 2006 | Autocar WX64 Packer (PW-Refuse)              | 11-2020       | 19,120.23           |
| J167      | 2006 | Autocar WX64 Packer (PW-Refuse)              | 03-2021       | 19,120.23           |
| J170      | 2007 | Autocar WX64 Packer (PW-Refuse)              | 09-2021       | 19,120.23           |
| J171      | 2007 | Autocar WX64 Packer (PW-Refuse)              | 09-2021       | 19,120.23           |
| J172      | 2007 | Autocar WX64 Packer (PW-Refuse)              | 09-2021       | 19,120.23           |
| J182      | 2010 | Autocar ACX64 Packer (PW-Refuse)             | 05-2019       | 30,935.55           |
| S136      | 2006 | Autocar WX64 Dump Truck (RPU-Water)          | 08-2021       | 15,818.88           |
| S137      | 2006 | Autocar WX64 Dump Truck (PW-Streets)         | 08-2021       | 15,818.88           |
| S138      | 2006 | Autocar WX64 Dump Truck (RPU-Water)          | 08-2021       | 15,818.88           |
| S139      | 2007 | Autocar WX64 Dump Truck (RPU-Water)          | 05-2021       | 15,818.88           |
| S140      | 2007 | Autocar WX64 Dump Truck (RPU-Water)          | 04-2021       | 15,818.88           |
|           |      |  | <b>Total:</b> | <b>\$264,892.17</b> |

These vehicles have been evaluated by General Services Fleet Division and deemed good candidates for re-tanking and extension of serviceability of at least five (5) years. The General

Services Department recommends the purchase and installation of replacement CNG tanks as a safe and economical alternative to vehicle replacement.

The services and replacement parts for City vehicles fall within the parameters of Purchasing Resolution 602(d), which states that competitive procurement through the informal and formal procurement process shall not be required “When the procurement consists of replacement parts for the City’s vehicles and aviation units,” and 702 (d), which states “When the Procurement consists of services needed for the replacement parts for the City’s vehicles, aviation units, and other City equipment.”

The Purchasing Manager concurs that this purchase is in accordance with Purchasing Resolution 23256.

The Public Works Director and the Riverside Public Utilities General Manager concur with this report.

**FISCAL IMPACT:**

The estimated fiscal impact of the action is \$264,892.17, available in General Services Central Garage Sublet Repairs – Automotive account 2215000-424250. The total estimated amount to be spent on CNG replacement tanks for FY 2020-21 is \$314,338.77, including Purchase Order no. 212121 in the amount of \$49,446.60 previously issued to National CNG & Fleet Services.

Prepared by: Carl Carey, General Services Director  
Certified as to  
availability of funds: Edward Enriquez, Chief Financial Officer/Treasurer  
Approved by: Moises Lopez, Deputy City Manager  
Approved as to form: Gary G. Geuss, City Attorney