

## **FINAL REPORT**

Contract No. ML06017
Purchase Two Heavy-Duty CNG Vehicles
City of Claremont
July 6, 2007

"Prepared for the Mobile Source Air Pollution Review Committee (MSRC) under the AB 2766 Discretionary Fund Work Program."

This report was submitted in fulfillment of ML06017 to purchase two heavy-duty CNG vehicles by the City of Claremont under the partial sponsorship of the Mobile Source Air Pollution Reduction Review Committee (MSRC). Work was completed as of June 30, 2007.

#### SCOPE:

To purchase two heavy-duty CNG refuse trucks.

#### **PURPOSE:**

To meet fleet rule 1193 to support the goals of clean air and a healthier environment.

#### **BACKGROUND:**

Assembly Bill 2766 provides that a component of the Vehicle Registration fee be allocated by the AQMD to cities and counties to implement and monitor programs to reduce air pollution from vehicles. The Mobile Source Air Pollution Reduction Review Committee (MSRC), through a grant application process, administers 30% of AB 2766 funds. The remaining 70% of AB 2766 funds are distributed to cities on a population-based formula. These funds are to be used for clean air programs.

The Mobile Source Air Pollution Reduction Review Committee (MSRC) announced clean air project funding opportunities exclusively to cities and counties within the South Coast Air Quality Management District (AQMD). The funds available are designed to encourage the construction of clean air fueling facilities, and the purchase of alternative fuel vehicles. Staff determined that funds in the amount of \$50,000 were available to the City for this purpose. Staff proposed to City Council to use these funds towards the purchase of two heavyduty CNG refuse trucks.

The MSRC accepted the City's grant application for \$50,000, to be used to offset the cost of replacing two heavy-duty refuse trucks scheduled for replacement in FY 2005-06. The trucks were replaced with ones that use CNG fuel and cost approximately \$35,000 more per truck than the standard diesel counterpart.

#### SUMMARY:

The City of Claremont purchased (2) CNG dedicated refuse trucks for use as service vehicles for City operations from Carmenita Truck Center Inc. The gross vehicle weight for the heavy-duty vehicles is in excess of 66,000 pounds. Both of the heavy-duty trucks have a Cummins CNG 8.3 L engines. These vehicles are housed at the City's maintenance yard located on Monte Vista Avenue in the City of Claremont. The refueling of the natural gas vehicles is done over night at the City's CNG station located at the corporate yard.

On September 27, 2005 staff presented a report regarding the replacement of

The statement and conclusions in this report are those of the contractor and not necessarily those of the Mobile Source Air Pollution Reduction Review Committee (MSRC) or the South Coast Air Quality Management District (SCAQMD). The mention of commercial products, their sources or their uses in connection with material reported herein is not to be construed as either an actual or implied endorsement of such products.

two heavy-duty refuse trucks at the City Council Community Services Committee meeting. This report announced that the City would be applying for a grant in the amount of \$50,000 from MSRC to purchase 2 CNG refuse trucks.

On October 4, 2005 an application to MSRC was submitted to participate in the MSRC Local Government Match Program. The application included a request for vehicle funding totaling \$50,000 for meeting fleet rule 1193 to which the City is currently planning to meet. On April 4, 2006, the City received notice from MSRC of the acceptance and approval of the City's application for funding.

The Council members approved the plan to move forward with the purchase of the two CNG heavy-duty refuse trucks and were very supportive of staff's efforts to introduce alternative fuel vehicles to the City. On July 26, 2006, the City received the signed contract with MSRC.

On February 8, 2006, the City took delivery of the City's compressed natural gas front loader refuse truck. On November 29, 2006, the City took delivery of the City's compressed natural gas roll off refuse truck. An update was submitted to the City Council via the City Manager letting them know that the two trucks represent the City's commitment to clean air vehicles. In addition, the City applied the MSRC logo on the new CNG pickup trucks and took photos. The trucks are now in operation, which concludes the requirements of the grant. Work on this grant is now completed.

## **CONCLUSIONS:**

The purchases of two heavy-duty CNG refuse trucks certified at SULEV with an estimated 10,000 hours of annual operation per vehicle yields total annual emission reductions of:

Oxides of Nitrogen (Nox)
Particulate Matter (PM10)

117 pounds per year 7.2 pounds per year

The purchase and operation of these vehicles is one more example of the City's commitment to a clean environment. The reduction in emissions is one more step in providing a cleaner environment for the Claremont community.

Each of the vehicles funded under this contract are obligated to accrue at least 85% of its annual mileage or engine hours of operation within the geographical boundaries of the South Coast Air Quality Management District for a period of no less than five (5) years from the date the vehicle enters service. This obligation shall survive the expiration of the contract and continue in full force and effect until the geographical restriction period set forth has been satisfied. Any AB2766 Discretionary Fund project for the purchase of new clean fuel vehicles shall be required to scrap older, polluting vehicles, which would be removed or retired from service.

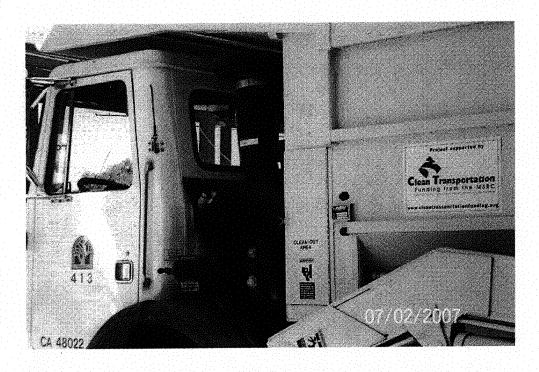
Included in this report for project contract ML06017 are photos of the vehicles with the MSRC logos affixed in a prominent location on the vehicle, copies of the letters to Carmenita Truck Center acknowledging the City's agreement to purchase (2) CNG heavy-duty refuse trucks, invoices from Carmenita Truck Center for the delivery of two (2) new/unused CNG heavy-duty refuse trucks with extended range tanks, and copies of the public outreach as stated in the public outreach plan.

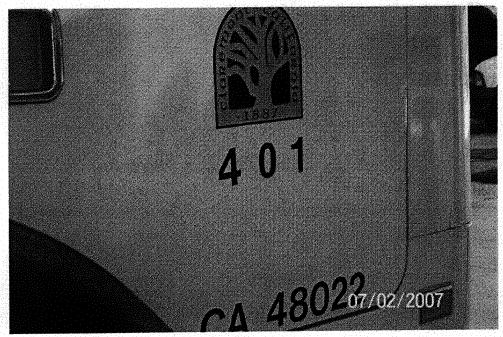






















## CITY OF CLAREMONT

Community Services Department

r616 Monte Vista Avenue Claremont, CA 91711-2913 FAX (909) 445-7822 www.ci.claremont.ca.us Director • (909) 399-5432 Trees • (909) 399-5431 Maintenance • (909) 399-5431 Solid Waste • (909) 399-5431 Oak Park Cemetery • (909) 399-5487

June 14, 2006

Mr. James Blakely Carmenita Truck Center, Inc. 13443 E. Freeway Drive Santa Fe Springs, CA 90670

# Letter of Agreement for One (1) Roll-off 3 Axle CNG Truck

Dear Mr. Blakely:

This letter shall be our Agreement regarding the purchase of One (1), 2006 Roll-off 3 Axle CNG Truck described below ("Vehicle") to be provided by Carmenita Truck Center, Inc. ("Vendor"), as a corporation, to the City of Claremont.

Purchase to be provided include the following: (see attached specifications)

One (1), 2006 Roll-off 3 Axle CNG Truck Guaranteed time of delivery of a complete unit to the City to be 180 – 250 days from award of bid or the purchase can be cancelled

Vendor shall perform all Services under this Letter of Agreement in a skillful and competent manner, consistent with the standards generally recognized as being employed by professionals in the same discipline in the State of California, and consistent with all applicable laws. Compensation for the above purchase shall not exceed \$166,171.97. This cost shall include all labor and delivery.

## Insurance Requirements

Carmenita Truck Center, Inc. agrees to provide and keep current through the term of the Agreement:

1. Comprehensive Commercial General Liability: Occurrence based with limits, of \$500,000 bodily injury per person, \$1,000,000 bodily injury per occurrence, and \$500,000 property damage per occurrence. If Commercial Liability insurance or other

Carmenita Truck Center, Inc. June 14, 2006 Page –2-

form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this Agreement or the general aggregate limit shall be twice the required occurrence limit.

The "certificate holder section" of the insurance certificate must read: City of Claremont, P.O. Box 880, Claremont, CA 91711, Attn: Community Services Department, and the City of Claremont needs to be named as an additional insured. The original endorsement doing so needs to be attached to the certificate.

- 2. Comprehensive Automobile Liability: Coverage for "any auto" with limits of \$500,000 bodily injury per person, \$1,000,000 bodily injury per occurrence, and \$500,000 property damage per occurrence with an indication for "any auto" included.
- 3. Workers' Compensation and Employers' Liability: Workers' Compensation insurance as required by the State of California and Employer's Liability insurance with limits of \$1,000,000 per accident for bodily injury or disease.

## **Terms and Conditions**

The City may terminate this Letter of Agreement at any time with or without cause. Vendor may terminate this Letter of Agreement for cause only.

Vendor shall defend, indemnify and hold the City, its officials, officers, employees and agents free and harmless from any and all claims, demands, causes of action, expenses, liabilities, losses, damages and injuries to property or persons, including wrongful death, in any manner arising out of or incident to any alleged negligent acts, omissions or willful misconduct of Vendor, its officials, officers, employees, agents, consultants and contractors arising out of or in connection with the performance of the Services of this Agreement, including without limitation the payment of all consequential damages, attorneys fees and other related costs and expenses.

If you agree with the terms of this Agreement, please indicate by signing and dating where indicated below and returning it to the City of Claremont, Community Services Department, 1616 Monte Vista Avenue, Claremont, CA 91711. An original, executed copy of this Letter of Agreement will be sent to you for your records.

Carmenita Truck Center, Inc. June 14, 2006 Page –3-

CITY

Approved by:

Scott Carroll

**Director of Community Services** 

Approved by:

lefferyC/Parke

Approved as to Form:

Best Best & Krieger LLP

City Attorney

Attest:

Lynne Pahner City Clerk **VENDOR** 

Reviewed and Accepted by Vendor:

Signature

Robert J. Zapotosky

Name

Sect

Title

7/13/2006

Date



## CITY OF CLAREMONT

Community Services Department

1616 Monte Vista Avenue Claremont, CA 91711-2913 FAX (909) 445-7822 www.ci.claremont.ca.us Director • (909) 399-5432 Trees • (909) 399-5431 Maintenance • (909) 399-5431 Solid Waste • (909) 399-5431 Oak Park Cemetery • (909) 399-5487

July 6, 2005

Mr. James Blakely Carmenita Truck Center, Inc. 13443 E. Freeway Drive Santa Fe Springs, CA 90670

# Letter of Agreement Alternative Fuel (CNG) Commercial Front Loader Refuse Truck

Dear Mr. Blakely:

This letter shall be our Agreement regarding the purchase of One (1) Alternative Fuel (CNG) Commercial Front Loader Refuse Truck described below ("Vehicle") to be provided by Carmenita Truck Center, Inc. ("Vendor"), as a corporation, to the City of Claremont.

Purchase to be provided include the following: (see attached specifications)

One (1) new 2005 CNG Commercial Front Loader Refuse Truck
Autocar WX Cab
Left Hand Drive
Cummins 8.3 G Engine
35 – 40 Cubic Yard Packer Full Ejection
Guaranteed delivery by January 15, 2006, or purchase can be cancelled

Vendor shall perform all Services under this Letter of Agreement in a skillful and competent manner, consistent with the standards generally recognized as being employed by professionals in the same discipline in the State of California, and consistent with all applicable laws. Compensation for the above purchase shall not exceed \$185,811. This cost shall include all labor and delivery.

Carmenita Truck Center, Inc. July 6, 2005 Page –2-

#### **Insurance Requirements**

Carmenita Truck Center, Inc. agrees to provide and keep current through the term of the Agreement:

1. Comprehensive Commercial General Liability: Occurrence based with limits, of \$500,000 bodily injury per person, \$1,000,000 bodily injury per occurrence, and \$500,000 property damage per occurrence. If Commercial Liability insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this Agreement or the general aggregate limit shall be twice the required occurrence limit.

The "certificate holder section" of the insurance certificate must read: City of Claremont, P.O. Box 880, Claremont, CA 91711, Attn: Community Services Department, and the City of Claremont needs to be named as an additional insured. The original endorsement doing so needs to be attached to the certificate.

- 2. Comprehensive Automobile Liability: Coverage for "any auto" with limits of \$500,000 bodily injury per person, \$1,000,000 bodily injury per occurrence, and \$500,000 property damage per occurrence with an indication for "any auto" included.
- 3. Workers' Compensation and Employers' Liability: Workers' Compensation insurance as required by the State of California and Employer's Liability insurance with limits of \$1,000,000 per accident for bodily injury or disease.

#### **Terms and Conditions**

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Vendor shall defend, indemnify and hold the City, its officials, officers, employees and agents free and harmless from any and all claims, demands, causes of action, expenses, liabilities, losses, damages and injuries to property or persons, including wrongful death, in any manner arising out of or incident to any alleged negligent acts, omissions or willful misconduct of Vendor, its officials, officers, employees, agents, consultants and contractors arising out of or in connection with the performance of the Services of this Agreement, including without limitation the payment of all consequential damages, attorneys fees and other related costs and expenses.

Carmenita Truck Center, Inc. July 6, 2005 Page –3-

Best Best & Krieger LLP

City Attorney

If you agree with the terms of this Agreement, please indicate by signing and dating where indicated below and returning it to the City of Claremont, Community Services Department, 1616 Monte Vista Avenue, Claremont, CA 91711. An original, executed copy of this Letter of Agreement will be sent to you for your records.

CITY	VENDOR
Approved by:	Reviewed and Accepted by Vendor:
Jesse Duff () Interim City Manager	Signature
Approved by:	Name C. B. LALLELY
Scott Carroll Administrative Officer	Fleet Sales Title
Approved as to Form:	8-2-08

Date

## City of Claremont Agenda Report

TO:

JESSE DUFF, INTERIM CITY MANAGER

FROM:

SCOTT CARROLL, ADMINISTRATIVE OFFICER

DATE:

**SEPTEMBER 27, 2005** 

SUBJECT: ALTERNATIVE FUEL FUNDING

#### SUMMARY

In September 2005, the Mobile Source Air Pollution Reduction Review Committee (MSRC) announced clean air project funding opportunities exclusively to cities and counties within the South Coast Air Quality Management District (AQMD). The funds available are designed to encourage the construction of clean air fueling facilities, and the purchase of heavy-duty alternative fuel vehicles. Staff has determined that funds in the amount of \$50,000 are available to the City for this purpose. Staff proposes to use these funds towards the purchase of two natural gas refuse collection trucks. An approved resolution from the City Council must accompany the funding application.

## **Staff Recommendation**

Staff recommends that the City Council adopt the attached resolution approving the funding application for the MSRC.

#### **ANALYSIS**

Assembly Bill 2766 provides that a component of the Vehicle Registration fee be allocated by the AQMD to cities and counties to implement and monitor programs to reduce air pollution from vehicles. The Mobile Source Air Pollution Reduction Review Committee (MSRC), through a grant application process, administers 30% of AB 2766 funds. The remaining 70% of AB 2766 funds are distributed to cities on a population-based formula. These funds are to be used for clean air programs.

On October 4, 2005, the MSRC will accept grant applications for projects designed to introduce alternative fuel programs into public fleets. Claremont will be submitting an application asking for \$50,000, which will be used to offset the cost of replacing two refuse trucks scheduled for replacement in FY 2005-06. The trucks will be replaced with ones that use CNG fuel and cost approximately \$35,000 more per truck than the standard diesel counterpart. As a requirement of the grant, MSRC allows a cap of \$25,000 per truck.

#### FINANCIAL REVIEW

There is no financial impact for the filing of an application for MSRC funds. This application includes a request vehicle funding \$50,000. The program available through MSRC will match funds from the grant with the City's 2766 funds and the Sanitation Vehicle Replacement fund.

Staff will continue to seek financial support from State, Federal, and local sources to minimize our cost in purchasing alternative fuel trucks.

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FOR OUTVICALINGUE	ACENDA		ITEM#

## COUNCIL COMMITTEE/COMMISSION RECOMMENDATION

The Community Services Council Committee did not review this item.

## **PUBLIC NOTICE PROCESS**

A copy of this report is available at City Hall, Youth Activity Center, Alexander Hughes Community Center, Claremont Public Library, and the City website along with the complete agenda packet.

## ALTERNATIVES TO THE STAFF RECOMMENDATION

Submitted by:	Prepared by:		
Scott Carroll	Anna Tam Sanchez		
Administrative Officer	Administrative Aide		

Matthew Hawkesworth Finance Manager/City Treasurer

Exhibit A: Resolution

# Claremont City Council Agenda Report

TO:

JESSE DUFF, INTERIM CITY MANAGER

FROM:

MARK J. HARMON, COMMUNITY SERVICES DIRECTOR

DATE:

JUNE 28, 2005

SUBJECT: PURCHASE ONE (1) ALTERNATIVE FUEL SANITATION TRUCK

## SUMMARY

On December 14, 2004, City Council awarded a contract to Carmenita Truck Center for the procurement of one commercial sanitation collection truck. This clean air, natural gas truck is currently being manufactured, and the expected delivery date to the City is July 2005. Staff has identified an additional commercial truck (Unit #413, a 1996 diesel unit) budgeted for replacement in fiscal year 2005-2006. Due to the extended delivery time for these natural gas vehicles, staff is recommending that we order the replacement for Unit #413 at this time.

## **Staff Recommendation**

That City Council approve the use of the alternative purchasing procedure and award a contract to Carmenita Truck Center of Santa Fe Springs in the amount of \$185,811 for the procurement of one (1) additional commercial sanitation collection truck.

## **ANALYSIS**

On November 9, 2004, the City Council authorized staff to solicit bids for the replacement of one commercial sanitation collection truck. On November 24, 2004, the following bids were received:

Carmenita Truck Center

\$182,168

Diversified Truck Center

\$188,315

On December 14, 2004, City Council awarded the contract to Carmenita Truck Center for the purchase of one commercial truck. Due to the high demand for natural gas powered sanitation collection trucks, the delivery time averages six to seven months after the award of contract. Staff expects a delivery date of July 2005 for the truck ordered this past December.

Staff has identified a commercial sanitation truck scheduled and budgeted for replacement in fiscal year 2005-2006: Unit #413, a 1996 diesel truck with 94,000 operating miles. Staff has contacted Carmenita Truck Center and inquired about purchasing an additional unit to replace this vehicle. Although Carmenita Truck will have to increase their cost approximately 2% (from \$182,168 to \$185,811), the purchase price remains lower than the second bid received on November 24.

ITEM # 8.

Section 3.16.060 of the Municipal Code allows council to award a contract based on a formal bid process previously conducted by a public agency. Staff recommends that the council utilize the alternative purchasing procedure to expedite the ordering of a new commercial sanitation collection truck.

## **FINANCIAL REVIEW**

Funds are available in the 2005-2006 Commercial Sanitation replacement fund (account number 312-4224-5103) for the replacement of one commercial collection truck.

## **LEGAL REVIEW**

The City Attorney has reviewed this report.

## COMMISSION RECOMMENDATION

There is no requirement for commission action for the award of this contract.

## **PUBLIC NOTICE PROCESS**

This item has been noticed through the regular agenda notification process. Copies are available at the City Hall public counter, the Youth Activity Center, the Alexander Hughes Community Center, the City website, and the Claremont Public Library.

## **ALTERNATIVES TO STAFF RECOMMENDATION**

In addition to the staff recommendation, there are the following alternatives:

- 1. Delay awarding the contract and refer the item back to staff for more information.
- 2. Do not utilize the alternative purchasing procedure and direct staff to obtain bids through the formal bidding process.

Submitted by:

Mark J. Harmon

**Director of Community Services** 

Reviewed by:

Sonia Carvalho City Attorney

Mih:ag-commreftruck6-28-05

- I, Shelley Desautels, Deputy City Clerk of the City of Claremont, California, hereby certify, under penalty of perjury, that the following is a true and correct copy of action taken by the City Council of the City of Claremont at a regular meeting of said council held June 28, 2005:
- 8. Purchase of One (1) Alternative Fuel Sanitation Truck
  Approved the use of the alternative purchasing procedure and awarded a contract to
  Carmenita Truck Center of Santa Fe Springs in the amount of \$185,811 for the procurement
  of one (1) additional commercial sanitation collection truck.

Councilmember Calaycay moved to approve the Consent Calendar as presented, seconded by Councilmember Taylor and unanimously carried, with Councilmember McHenry abstaining on Item Nos. 2 and 3.

Executed this 6th day of July, 2005, Claremont, California.

Shelley Desautels

Deputy City Clerk, City of Claremont

# Claremont City Council Agenda Report

TO:

JEFFERY C. PARKER, CITY MANAGER

FROM:

SCOTT CARROLL, DIRECTOR OF COMMUNITY SERVICES

DATE:

JUNE 13, 2006

SUBJECT:

AWARD OF BID - ONE (1) ALTERNATIVE FUEL SANITATION TRUCK

#### <u>SUMMARY</u>

On November 22, 2005, the City Council authorized staff to solicit bids for the replacement of one, sanitation roll-off truck. This vehicle is scheduled for replacement and is included in the FY 2005-06 Sanitation Program budget.

#### STAFF RECOMMENDATION

That the City Council award the bid to Carmenita Truck Center of Santa Fe Springs, for the procurement of one, Compressed Natural Gas Sanitation Roll-Off truck in the amount of \$166,171.97.

#### **ANALYSIS**

The Community Services Department is responsible for developing and updating the City's Vehicle Replacement Schedule in accordance with Administrative Policy No. 10-17. The replacement schedule ensures the City is utilizing good, operating vehicles at all times. Unit #412, a 1993 roll-off truck, is due for replacement at this time. The normal replacement schedule for sanitation trucks is seven to ten years and this vehicle has clearly exceeded the normal replacement schedule.

This new vehicle will be powered by CNG, which is a clean burning fuel that produces significantly fewer vehicle emissions than reformulated gasoline or diesel fuels. Heavy-duty natural gas engines have demonstrated over 90% reductions of carbon monoxide (CO) and particulate matter and more than 50% reduction in nitrogen oxides (NO<sub>x</sub>) when compared to heavy-duty diesel engines. The vehicle being replaced is powered by diesel fuel. A CNG fueling station is available at the city yard. Having a CNG fueling station at the yard has improved vehicle downtime because staff is not required to fuel vehicles at an offsite facility. The procurement of this vehicle will also comply with local mandates. The South Coast Air Quality Management District (AQMD) adopted Rule 1993 that mandates all sanitation collection trucks purchased after January 2002 be powered with a low emission alternative fuel such as CNG.

#### **BID ANALYSIS**

Sealed bids were received and opened in the City Clerk's office on April 28, 2006. The name of the companies, along with their bid amounts, are listed below:

Peck Road Truck Center (Amrep Manufacturer)

\$173,627.12

Carmenita Truck Center (Autocar Manufacturer)

166,171.97

OR CITY COUNCIL AGENDA

ITEM # 14.

I, Shelley Desautels, Deputy City Clerk/Deputy Agency Secretary of the City of Claremont, California, hereby certify, under penalty of perjury, that the following is a true and correct copy of action taken by the City Council/Redevelopment Agency Board of Directors of the City of Claremont at a regular meeting of said council held June 13, 2006:

14. Award of Bid – One (1) Alternative Fuel Sanitation Truck
Recommendation: Award the bid to Carmenita Truck Center of Santa Fe Springs, for the procurement of one, Compressed Natural Gas Sanitation Roll-Off truck in the amount of \$166,171.97.

Councilmember Taylor removed Item No. 10 and 16 from the Consent Calendar due to a conflict of interest. Councilmember McHenry removed Item No. 2 and 12 from the Consent Calendar. Councilmember Calaycay removed Item No. 17 from the Consent Calendar to allow public questions to be addressed. Councilmember Calaycay moved to approve the remainder of the Consent Calendar as presented, seconded by Councilmember Baldonado and unanimously carried.

Executed this 16<sup>th</sup> day of June, 2006, Claremont, California.

Shelley Desaytels

Deputy City Clerk/Deputy Agency Secretary

City of Claremont

Included in this report for project contract ML06017 are photos of the vehicles with the MSRC logos affixed in a prominent location on the vehicle, copies of the letter from Carmenita Truck Center acknowledging the City's bid, invoices from Carmenita Truck Center for the delivery of two (2) new/unused CNG heavy-duty refuse trucks with extended range tanks, and copies of the public outreach as stated in the public outreach plan.



## CITY OF CLAREMONT

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Maintenance • (909) 399-5431

Solid Waste • (909) 399-5431

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1616 Monte Vista Avenue Claremont, CA 91711-2913 FAX (909) 445-7822 www.ci.claremont.ca.us

July 1, 2007

Ms. Rachel Valenzuela South Coast AQMD/ MSRC 21865 Copley Drive Diamond Bar, Ca 91765

Dear Ms. Valenzuela:

## MSRC Contract Number ML06017

Enclosed please find a completed final report for contract number ML06017. This includes an executive summary, invoices, outreach material and photos of the vehicles.

If you have any questions, please call me at (909) 399-5431.

Sincerely,

Anna Sanchez

Management Analyst

**Enclosures**