

**MOORPARK CITY COUNCIL
AGENDA REPORT**

TO: Honorable City Council

FROM: Yugal K. Lall, City Engineer/Public Works Director 
Prepared by: Shaun Kroes, Senior Management Analyst 

DATE: June 18, 2009 (CC meeting of 07/01/09)

SUBJECT: Consider Purchase of Three Compressed Natural Gas (CNG) Transit Buses

SUMMARY

The City Council is being asked to consider approving the purchase of three, 32-foot, CNG buses with a seating capacity of 27 passengers per bus. Creative Bus Sales of Chino, California, is an approved vendor that can supply these vehicles. The City has obtained \$1,260,000 in federal funds through the American Recovery and Reinvestment Act (ARRA) of 2009 for the purchase of the buses. Draft FY 2009/10 budget includes a budgeted amount of 1.26M for the purchase of these buses.

BACKGROUND

The current transit system utilizes three buses daily for the City's two-route system (Route 1 and Route 2). Two buses are dedicated to their respective routes, while the third bus acts as a relief for both routes. The City owns five buses: A 1998 Bluebird (Bus 6433); two, 2002 El Dorado MST II's (Buses 6448 and 6449); and two, 2006 El Dorado MST II's (Buses 66456 and 66457). Buses 6433, 6448, and 6449 are ready for replacement. Bus 6433 has not been used for over a year and is only used if necessary due to its age and out-dated style. The buses are standard-floor buses, which require stairs to board the bus. The standard-floor buses also require the use of a wheelchair lift. Occasionally, a wheelchair lift will malfunction, thus preventing the bus from being accessible to disabled passengers. Although the wheelchair lift has a manual override for assisting passengers to disembark, it cannot be used for boarding passengers. Four of the buses seat 25 passengers and Bus 6433 seats 24 passengers. All five buses use diesel fuel. All of the buses with the exception of Bus 6433 were retrofitted with diesel particulate matter control devices in 2007 to comply with California Air Resources Control Board (CARB) emission requirements. The devices were designed to reduce particulate matter pollution by 85%.

The ARRA apportioned \$18,537,704 in federal stimulus funds to Ventura County transit agencies for transit capital projects. Of the initial \$10,158,514 programmed, Moorpark received \$1,260,000. The ARRA fund is reimbursement-based, but does not require any local match, wherein traditional federally funded transit projects require a 20% local match. By obtaining the ARRA funds, the City can purchase more buses sooner than if it had to rely on its traditional funding options.

DISCUSSION

Buses 6433, 6448 and 6449 have reached an age and mileage that makes them eligible for replacement per federal guidelines. June 3, 2009, City Council approved entering into an agreement with the City of Simi Valley for the fueling of CNG buses at its Transit Maintenance Facility. On June 15, 2009, the City of Simi Valley approved entering into the agreement as well. The City's current contractor for bus operation and maintenance, CUSA, has also agreed that it is willing and able to continue providing services for the City if it were to convert to a CNG fleet (Attachment 1).

Creative Bus Sales, based in Chino, California, has a contract with the State of Minnesota that allows public agencies outside of the state to purchase El Dorado National EZ Rider II buses. The procurement process was performed per Federal requirements and is eligible for ARRA funded purchases. Attachment 2 provides Creative Bus Sales' quote and bus details. The 32-foot CNG bus provides seating for 27 passengers or 18 passengers and three wheelchairs. The City's current fleet of 28-foot buses seat 25 passengers or 19 passengers and two wheelchairs. The EZ Rider II bus is a low-floor bus, which means that no steps are required for boarding (although the bus does have two steps to board the back 15 seats). Passengers with wheelchairs will no longer have to use a wheelchair lift, but will instead use a simple ramp. The EZ Rider II is a heavy duty bus and can be expected to be in service for 12 years. Tests indicate that the EZ Rider II can operate reliably for 500,000 service miles. Delivery is typically one year after purchase.

Additional features of the bus include:

- Two doors, which will allow passengers in wheelchairs to board the bus and secure seating without the need for turning around in tight quarters.
- Air conditioning/heating vents distributed throughout the bus instead of a simple rear ventilation system.
- Automated bus stop announcement system.
- Seven hand straps on ceiling grab rails.
- Security camera system, including three inside cameras and one outdoor camera (that will monitor the bus doors).
- Back up camera system that permits the driver to see what is behind the bus while going in reverse.
- Buses will be assembled in Riverside, CA, which helps to keep jobs in the state.

FISCAL IMPACT

Creative Bus Sales' purchase quote for 3, 32-foot CNG buses is \$1,191,211.80 (including taxes and fees). Staff recommends rounding the purchase price up to \$1,200,000 in case new products or suggestions develop during the course of the buses construction. \$60,000 remains available for additional expenditures associated with the new buses include new interior and exterior decals and inspection services prior to acceptance of the buses. Staff is also attempting to determine if the City can use the ARRA funds to pay for the CNG meter to be installed at the Simi fueling facility. Total expenditures are expected to be no more than the ARRA funds of \$1,260,000. The purchase of the buses is cost neutral for the City as it will receive up to \$1,260,000 in reimbursement funding for expenditures associated with the bus purchase.

STAFF RECOMMENDATION

Authorize the City Manager to issue a Purchase Order to Creative Bus Sales for the purchase of three CNG buses in an amount not to exceed \$1,200,000.

Attachments:

1. CUSA CNG Letter
2. EZ Rider II Details



Coach America Los Angeles

May 12, 2009

RECEIVED

MAY 18 2009

Public Works Department

Shaun Kroes
Senior Management Analyst
City of Moorpark
799 Moorpark Avenue
Moorpark, CA 93021

Dear Shaun,

Thank you for your request regarding the possibility of CNG buses for the Moorpark service. As you know we currently operate CNG units for the Los Angeles Department of Airports and are very familiar with the maintenance and operation of such units.

Should Moorpark choose to operate CNG buses for the transit program we would be happy to support these units with our current contract or any future extensions.

We have the training capacity, operational ability and the maintenance technicians to manage such a fleet. In addition we would be happy to work with the vehicle manufacturer to develop training programs and operational protocol. This will assist us and the City of Moorpark to have appropriate documentation for the units and their operations as well as maintenance.

We look forward to offering service to you and your citizens and appreciate the opportunity to work for you.

Sincere regards,

Darlene Cochran

Vice President/General Manager
CUA CC LLC dba Coach America Los Angeles
3333 E. 69th Street
Long Beach, CA 90805

CITY OF MOORPARK QUOTE BASED OFF OF 2009 STATE OF MINNESOTA CONTRACT

CUSTOMER: CITY OF MOORPARK

ATTN: MR. SHAUN KROES

DATE: 4/28/09

PREPARED BY: CREATIVE BUS SALES

STEVE CHUNG AND DON WHITE

CELL 909.549.9398 / OFFICE 800.326.2877 / STEVEC@CREATIVEBUSSALES.COM

ITEM #	ITEM	DESCRIPTION
MODEL / FLOOR PLAN		
1	9010879	ASY EZ-RIDER II MAX 32 FRT & MID DOOR BODY - MOORPARK
2	/10-02	168" WHEELBASE
3	/10-02	EXTENDED REAR PLATFORM
MECHANICAL		
4	1175694	400 ENGINE BLOCK HEATER
5	1226562	400 AIR COMPRESSOR - ENGINE MOUNTED
6	1228139	OPT REAR ENGINE "RUN" BOX
7	1400068	550 ELECTRONIC THROTTLE
88	1400456	OPT ENGINE BELT GUARD
71	/20-01	ENGINE CNG CUMMINS ISLG 250HP - (4) TANK ROOF POD
89	/20-01	FUEL DOOR OPEN LIGHT ON THE DASH
90	/20-01	INSTALL GROUND FITTING 3' - 4' FROM FILL BOX
91	/20-01	SHEREX 5000 & 1000 FILL WITH DEFUELING SYSTEM
92	/20-01	SPECIAL CNG FUEL FILL DOOR - ENGINE WON'T START W/DOOR OPEN - WITH ENGINE RUNNING OPENING DOOR WON'T KILL - ENGINE
8	1226570	400 AIR DRYER
9	1226596	500 AIR BRAKES
10	1327949	500 ABS BRAKE SYSTEM
11	1283233	550 TRANSMISSION ALLISON B300R 5-SP W/RTDR
93	/20-03	RETARDER ON/OFF SWITCH MTD IN DRIVER OVERHEAD COMP.
94	1328053	450 SILICONE COOLING HOSES - ALL
95	/20-04	ACCESS PLATES IN WHEEL HOUSES - FOR SERVICING FRONT & REAR SHOCKS & AIR BAGS
98	/20-04	EXHAUST INSULATION & HEAT BLANKETS
96	/20-04	LINE SHUTOFF VALVES FOR HEATER/DEFROSTER & BOOSTER PUMP
97	/20-04	MAGNETIC EXTERNAL HEX HEAD DRAIN PLUGS
12	1228022	OPT KNEELING FRONT SUSPENSION SYSTEM
13	/20-09	SUSPENSION AIR (2) BAGS PER AXLE
14	1196690	550 STEERING COLUMN TILT & TELESCOPIC
15	1226406	520 WHEELS OEM PAINTED STEEL
16	1227388	520 TIRES RADIAL - 275/70R 22.5
73	/20-19	EXTENDED VALVE STEMS ON REAR WHEELS
74	/20-19	SPARE TIRE & RIM TO MATCH OTHER WHEELS PROVIDED
72	/20-19	TIRE PRESSURE MONITORING SYSTEM - MONITORS TIRE PRESSURE FOR REAR DUALS - SINGLE AIRING POINT TO FILL BOTH TIRES AT - THE SAME TIME
17	1042993	820 BUMPER HELP REAR ASSEMBLY
18	1043017	820 BUMPER HELP FRONT ASSEMBLY
19	1025522	520 MUD FLAP FRONT (1) PAIR
20	1025527	520 MUD FLAP REAR (1) PAIR
21	1328236	820 TOW HOOKS ASSEMBLY REAR

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22	/20-27	TOW EYES ASSEMBLY FRONT	
ELECTRICAL			
23	1090885	010 HIGH IDLE ASSEMBLY	
24	1136530	010 WIRE COLOR CODED & NUMBERED	
25	1227917	OPT FLUORESCENT INTERIOR LIGHTING	
26	1228659	010 CIRCUIT BREAKER MANUAL RESET	
27	1328152	010 BATTERIES DUAL 8D ON S/S SLIDE TRAY	
75	/30-01	24-VOLT ELECTRICAL SYSTEM	
99	/30-01	DRIVER OVERRIDE SWITCH FOR STOP REQUEST CHIME	
76	/30-01	I/O CONTROLS MULTIPLEX SYSTEM	
28	1042811	900 ALARM BACK-UP WARNING	
84	1400506	400 AUDIOVOX BACK-UP CAMERA SYSTEM	
127	1400514	550 CUMMINS ENG. PROTECTION W/LOW COOLANT PROBE	
86	/30-07	TWIN VISION LED FRONT & SIDE SIGN SYS.	
30	1025881	010 METER HOUR	
31	1140276	010 TURN SIGNALS SIDE	
		- LED	
100	1227891	010 FLOOR MOUNTED DIRECTIONAL SIGNALS	
101	1228436	010 LIGHT ARMORED CLEARANCE	
32	1328251	010 L.E.D. - EXTERIOR LIGHTS	
33	1400415	650 REAR HIGH MOUNT COLLISION AVOIDANCE LIGHT	
		- LED	
102	/30-11	DIALIGHT LED DRIVER'S LIGHT	
103	/30-11	PRETORIA OVER FAREBOX LIGHT	
104	1043173	950 RADIO 2-WAY PREWIRE ALL MODELS	
105	1109065	950 RADIO 2-WAY ANTENNA CONDUIT PREWIRE	
81	1212372	950 PA SYSTEM INTERNAL GOOSENECK MIC W/4 SPEAKERS	
82	1400209	950 SPEAKER (1) EXTERNAL	
106	/30-12	DRI DR600C+ DATABASE SET-UP	
		- ONE-TIME CHARGE FOR CONTRACT	
107	/30-12	PUBLIC ADDRESS SYSTEM AMPLIFIER	
		- DIGITAL RECORDERS DR600C+ VOICE ANNUNCIATION	
		- STAND ALONE VOICE ANNUNCIATION SYSTEM	
		- WITH ROUTE MAPPING SERVICES	
BODY			
87	/40-01	BIKE RACK SPORTWORKS DL2-BLACK	
77	/40-02	ALTRO FLOOR COVERING	
35	1227669	300 ZIEBART UNDERCOATING-INSIDE ALL ROLL CAGE TUBES	
108	/40-04	SOUND DEADENING MATERIAL	
		- APPLIED TO INSIDE OF EXTERIOR SKINS, REAR	
		- BULKHEAD, WHEELWELLS, STEP-UP OVER REAR	
		- AXLE, ETC.	
36	1040419	SEA STANCHION DRIVER	
37	1138130	SEA DRIVER BARRIER TOP & BOTTOM SECTIONS	
109	1024991	SEA STANCHIONS VERTICAL 1-1/4 SS (2 STD)	
		- BRUSHED	
38	1196435	SEA CEILING GRABRAILS ASSY	
110	/40-10	HAND STRAPS (7) ON CEILING GRAB RAILS	
		- WITH PLASTIC INSERTS	

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39	1150630	120 VENT ROOF EMERGENCY EXIT 4/WAY ADJ (TRANSPAC)	
40	1228576	600 PASSENGER WINDOWS 7/32" LAMINATED UPPER T SLIDE	
41	1400613	ASY AUTOMOTION ROLLER BLIND - DRIVER FRT & SIDE	
111	1070192	600 WINDSHIELD WIPER KIT (INTERMITTENT)	
42	1043272	650 MIRROR REAR VIEW INTERIOR	
83	1189950	650 MIRROR MOTORIZED AND HEATED	
		- WITH LED TURN SIGNALS ON MIRROR HOUSING	
43	1227057	650 MIRROR 12" CONVEX REAR STEPWELL	
112	/40-16	6" INTERIOR FLAT MIRROR @ FRONT CURBSIDE	
44	1227032	010 REMOTE TOGGLE SWITCH - DOOR ENTRY	
45	1227594	120 DOOR OPERATOR AIR	
46	1327980	120 DOOR VAPOR SLIDE-GLIDE	
47	1328087	120 VAPOR 5 POSITION DOOR CONTROL	
48	1328095	120 SENSITIVE DOOR EDGES	
		- REAR DOOR ONLY	
49	1226935	300 PAINT - FULL BODY (1 COLOR)	
50	1328103	650 DRIVER COAT HOOK & STRAP	
51	1328111	SEA DRIVER LOCKABLE STORAGE COMPARTMENT	
80	/40-24	COMP. TOWER MTD. ON WHEELWELL	
113	/40-24	HEADLINING MATERIALS TREATED OR INSULATED	
		- TO PREVENT MARKS DUE TO CONDENSATION	
		- WHERE PANELS ARE IN CONTACT METAL MEMBERS	
114	/40-24	INTERIOR REAR BULKHEAD COVERED W/CHARCOAL GRAY CARPET	
115	/40-24	SCHEDULE HOLDER MTD ON PASSENGER SIDE OF COMP TOWER	
116	/40-25	FRONT & REAR LICENSE PLATE HOLDERS	
		- LED LIGHT FOR REAR LICENSE PLATE	
HEATING, VENTILATION, AIR CONDITIONING			
52	1195023	400 A/C HEATER/DEF FRONT ASSEMBLY	
53	1229111	400 A/C SYSTEM--R134A STANDARD	
79	/50-01	A/C SYSTEM THERMO KING T-11 (R134A)	
117	/50-01	UPGRADE HEATER/DEFROSTER SYSTEM	
		- BRUSHLESS MOTORS	
		- ADJUSTABLE BALL TYPE VENTS	
		- EXTRA ADJUSTABLE BALL VENT DIRECTED TO	
		- FRONT DOOR WINDOW	
118	/50-03	AMETEK ROTRON MAGNETICALLY COUPLED MARINE PUMP	
		- BRUSHLESS	
SAFETY & ANCILLARY EQUIPMENT			
54	1024777	900 FIRST AID KIT (16)/FIRE EXT/TRI-REFLECTORS	
55	1141092	400 FAN DRIVER (2 SPEED)	
128	/60-02	AMEREX FIRE SUPPRESSION & METHANE DETECTION SYS	
56	1026237	350 SIGN ASSEMBLY "STOP REQUESTED"	
		- USE DRI SIGN	
57	1227008	900 PASSENGER SIGNAL SYSTEM PULL CORD W/DASH LIGHT	
119	1520261	650 FAREBOX GUARD & GRAB RAIL 1-1/4 OD TBG SS	
85	/60-03	FARADAY CHIME FOR STOP REQUEST SYSTEM	
59	1400701	900 TIE-DOWN SYSTEM Q-STRAINT QRT 8100-A1 DELUXE	
58	/60-04	STANDEE LINE YELLOW 3" X 38"	
SEATING			

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60	1106285	SEA SEATING ADJUSTABLE TRACK	
78	/80-50	USSC 9100 ALX3 AIR RIDE DRIVERS SEAT	
MISCELLANEOUS			
61	/99-03	12-VOLT POWER PLUG IN DRIVER'S AREA	
62	/99-04	INTERIOR MELAMINE DELUXE PLATNUM	
63	/99-05	ACQ MARINE GRADE, 0.75" PLYWOOD FLOORING	
64	/99-09	SEAT BELT/W.C. BELT CUTTER	
65	/99-11	AM/FM/CD CHANGER WITH (4) SPEAKERS	
66	/99-13	ADA PACKAGE RICON FR2SS RAMP AT THE REAR DOOR	
68	/99-15	DAYTIME RUNNING LIGHTS (DRL)	
69	/99-16	LABEL IN DRIVER'S AREA WITH CAPACITY	
		- PER #5.28, ON P.7.	
120	/99-18	DELCO 50DN ALTERNATOR	
121	/99-19	FREEDMAN CITISEAT PASSENGER SEATS	
		- KEVLAR LEVEL 6 FABRIC	
		- AISLE GRABRAILS ON FORWARD FACING SEATS	
		- PER FLOORPLAN NO. 94500688	
122	/99-20	BRUSHLESS MOTORS FOR T-11 HVAC SYSTEM	
123	/99-21	EXTRA RICON FR2SS FOLD-OUT-RAMP IN FRONT DOOR	
124	/99-22	DIAMOND E-5 FAREBOX W/2 VAULTS	
125	/99-23	REI BUS WATCH DVR R8001 SURVEILLANCE SYS.	
		- 4 COLOR CAMERAS, 1 EXTERIOR CAMERA & 3	
		- INTERIOR CAMERAS	
		- 160GB HD	
126	/99-24	SPARE REI BUS WATCH HARD DRIVE	
70	/99-99	MN	
129	/99-99	NO FREIGHT - DEALER PICK UP	
PRICING			
Subtotal Price:			\$369,389.00
Sales Tax (\$369,389.00 - \$35,000.00) x 8.25%:			\$27,587.10
DMV Documentation Preparation Fee:			\$55.00
DMV Electronic Filing Fee:			\$29.00
California Tire Fee (6 x \$1.75):			\$10.50
DMV Registration Fee:			Exempt
Total Cost Per Bus Delivered to City of Moorpark:			\$397,070.60



