



For Immediate Release:
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Burbank's Zero Emission Bus Project First of Its Kind West of Mississippi

Thanks to the unique collaborative efforts of several agencies and businesses, the City of Burbank will soon be home to California's first HYDROGEN FUEL CELL PLUG-IN HYBRID ELECTRIC BUS Demonstration Project. The parties working together to make this possible include: the *CALIFORNIA AIR RESOURCES BOARD*; the *CALIFORNIA ENERGY COMMISSION*; the *CITY OF BURBANK*; the *FEDERAL TRANSIT ADMINISTRATION (FTA)*; *HYDROGENICS*; *MARTIN MARIETTA COMPOSITES*; *MOBILE ENERGY SOLUTIONS*; and the *BURBANK TRANSPORTATION MANAGEMENT ORGANIZATION ("Burbank TMO")*.

The two-year project is designed to demonstrate the ability to implement a viable Zero Emission transit solution today and not years in the future. The timing of this project is especially relevant given California's new Zero Emission Bus Regulation, which requires transit agencies with 200 buses or more to purchase zero emission buses as early as the year 2011. The funding for this project is provided through a grant from the *CALIFORNIA AIR RESOURCES BOARD* and the *CALIFORNIA ENERGY COMMISSION*, as well as monies and contributions from other public and private entities.

In March 2007, the City of Burbank rolled out five new CNG Blue Bird transit buses. The 35-foot vehicles operate on a cleaner-burning fuel while providing Burbank Bus customers with increased seating and more efficient service. The forthcoming Zero Emission project is yet another demonstration of the region's dedication to providing an environmentally-friendly alternative mode of transportation.

The goals of the Zero Emission Project are to demonstrate:

- Zero emission technology with an affordable fuel cell/battery configuration;
- A light weight body for less energy consumption and reduced street wear;
- Reduced noise pollution;

- Attractive modern vehicle appearance to attract ridership;
- Technology appropriate to meet the Zero Emission Bus regulation purchase requirement;
- Advancement of California's leadership in hydrogen fuel cell adoption and commercialization; and
- A bus that meets the FTA *Buy America* requirements, thus allowing the use of Federal funding to offset local and state funding.

Over the next 12 months, *MOBILE ENERGY SOLUTIONS* will be assembling the 35-foot long, 37-passenger bus. The lightweight composite body bus, provided by *MARTIN MARIETTA*, will house two *HYDROGENICS* 16kW fuel cell modules and lithium titanate batteries. The on-board storage tanks provide hydrogen to the fuel cells which produce electricity. This electricity energizes the batteries that power the bus.

During the second year of the project, the new bus will service existing Burbank Bus routes including the Media District, Downtown, and Airport areas. At the end of each service day, the bus' hydrogen tanks will be refilled and its batteries recharged using a charger plugged into the electric grid. The Hydrogen Burbank Bus is expected to begin logging revenue service hours in the 4th quarter of 2008.

About The Partners:

CALIFORNIA AIR RESOURCES BOARD (CARB):

The Air Resources Board is a department of the California Environmental Protection Agency. CARB's mission is to promote and protect public health, welfare, and ecological resources through effective reduction of air pollutants while recognizing and considering effects on the economy. CARB oversees all air pollution control efforts in California to attain and maintain health based air quality standards.

CITY OF BURBANK:

The City of Burbank has been a strong supporter of hydrogen technology. Since 2006, *the City* has been operating a hydrogen station and five hydrogen internal combustion engine converted Prius vehicles as part of a program sponsored by the South Coast Air Quality Management District. Addition of the plug-in fuel cell bus will help increase the utilization of the hydrogen station as well as help advance both the fuel cell and battery technologies.

HYDROGENICS:

Hydrogenics Corporation (www.hydrogenics.com) is a globally recognized developer and provider of hydrogen generation and fuel cell products and services, serving the growing industrial and clean energy markets of today and tomorrow. Based in Mississauga, Ontario, Canada, *Hydrogenics* has operations in North America, Europe and Asia.

MARTIN MARIETTA COMPOSITES:

Martin Marietta Composites manufactures structural composite products used in transportation, construction and military applications. When high strength, low weight and durability are important - composites deliver the solution

MOBILE ENERGY SOLUTIONS:

Mobile Energy Solutions (www.mobileenergysolutions.com) is a world leader in the development and manufacture of composite body, advanced technology transit and school buses utilizing plug-in, battery dominant hybrid electric technology which allows for a variety of auxiliary power units including fuel cells, bio diesel, CNG and all battery.

BURBANK TRANSPORTATION MANAGEMENT ORGANIZATION (BURBANK TMO):

The *Burbank TMO* is a private sector nonprofit, the specific purpose for which is to study, propose and implement, in a cooperative manner, creative solutions relating to the integration of land use, mobility transportation, air quality and energy issues. Its members are organizations, business entities, employers, property owners, and individuals located within Burbank.

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