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August 28, 2007

**Bureau of Sanitation Investigates Benefits of Hydraulic Hybrid Technology**

**LOS ANGELES (August 28, 2007)** — The City of Los Angeles' Department of Public Works, Bureau of Sanitation, today announced it is working with German Company Bosch Rexroth to explore the benefits of utilizing hydraulic hybrid technology in its collection fleet.

The Bureau of Sanitation currently has approximately 316 clean fuel natural gas heavy-duty Solid Resources Collection vehicles in operation and continues to add even more clean vehicles to its fleet as it replaces its retired diesel-powered collection trucks. Clean burning natural gas engines produce significantly fewer oxides of nitrogen, particulate matter and other air pollutants than traditional diesel engines. In addition, because natural gas is a domestically available resource, it reduces dependence on foreign oil while improving local air quality.

This new added technology has been identified as having high potential for successfully reducing fuel consumption and emissions, improving performance and reducing operating and maintenance costs. The proprietary Rexroth Hydrostatic Regenerative Brake system uses a hydraulic pump/motor to capture kinetic energy during vehicle breaking. This energy, which would otherwise be lost in the vehicle's friction brakes, is absorbed and re-used to help the engine launch the vehicle, thereby reducing the engine's need for fuel to accomplish the same. The overall process is called regenerative braking.

"We think that hydraulic hybrid technology shows a lot of promise. We're anxious to see how the system will work on our LNG trucks, said Board of Public Works President Cynthia Ruiz. "The City is always looking at technologies that can offer additional fuel and emissions savings," Ruiz added.

The program is part of the Bureau of Sanitation's comprehensive plan to reduce emission from Solid Resources Collection fleet.

***The five-commissioner Board of Public Works manages the Department of Public Works, the City's third largest municipal division. The department oversees the construction, renovation, and operation of public projects such as municipal buildings, streets, bridges, streetlights, water treatment plants, sewers and sidewalks, and provides essential public services like recycling and solid waste management.***

For more information, contact the Public Affairs Office at (213) 978-0333, via email at [pao@bpw.lacity.org](mailto:pao@bpw.lacity.org) or visit the Public Works' website: <http://www.lacity.org/DPW/dpwhome.htm>.

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JD/ 8-28-07