

South Coast Air Quality Management District Projects

Funded by the Department of Energy (DOE) Clean Cities Program



UPS Ontario-Las Vegas LNG Corridor Extension-Bridging the Gap

AQMD is partnering with UPS to deploy approximately 48 LNG trucks in UPS's Ontario and Las Vegas operations and construct a publicly accessible LNG station in Las Vegas. The project will deploy approximately 16 trucks in Ontario and 32 trucks in Las Vegas; it will support LNG fueling for 150 planned UPS LNG vehicles between the California, Nevada, and Utah UPS operations; and it will link heavy-duty LNG fuel networks in California with similar networks in Utah, creating a multi-state link in the nation's first economically sustainable, heavy-duty natural gas fueling corridor. The Las Vegas station shall serve as a bridge station to planned LNG stations in Utah. This project will also promote UPS's publicly accessible Las Vegas LNG station to help support LNG-powered interstate goods movement operations from the Ports of Los Angeles and Long Beach to Salt Lake City. This effort is being conducted in partnership with the SCAG and Eastern Sierra Regional Clean Cities Coalitions.

Heavy-Duty Natural Gas Drayage Truck Replacement

This project involves the replacement of old, heavy-duty diesel drayage trucks with new trucks powered by ultra-clean natural gas engines, with the deployment of approximately 180 natural gas trucks. The project will have an education, outreach and training program to promote the use of alternative fuel vehicles and provide information and hands-on experience to truck operators and technicians that are involved in maintaining natural gas trucks. Participating drayage truck fleets will interact directly with participating dealerships. This effort is being conducted in partnership with the five local Clean Cities Coalitions (Coachella Valley, City of

Long Beach, City of Los Angeles, SCAG, and Western Riverside).



Source: Paul Hartley Truck News

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SANBAG/Ryder Natural Gas Truck Project

Funded by the Department of Energy (DOE) Clean Cities and California Energy Commission (CEC)



SANBAG is partnering with Ryder System, Inc. to implement the nation's most groundbreaking and innovative heavy-duty natural gas project to date. Ryder will purchase and deploy approximately 202 heavy-duty natural gas powered trucks. It will also construct two public access LNG/LCNG refueling stations, upgrade three maintenance shops for NGV repair, and train personnel & customers. The ultra low-emission trucks will be deployed into Ryder's Southern California operations network of 1,200 customers representing over 6,000 commercial trucks, where Ryder's commercial customers will access them through short term rentals, long term leases or through Ryder's dedicated logistics services. This effort is being conducted in partnership with the SCAG Clean Cities Coalition.



Project Components

1. **Development** of two NG fueling stations, **upgrades** to two other facility maintenance locations and the **deployment** of 202 NG powered trucks.

Location	Natural Gas Trucks	Facility Modifications	Refueling Infrastructure
9608 Santa Anita Avenue, Rancho Cucamonga	67	Yes	Yes
1980 East University Drive, Rancho Dominguez	68	Yes	No
1440 North Main Street, Orange	67	Yes	Yes

2. **Training** to Ryder mechanics, drivers, supervisors, but also customer employed drivers on the safe fueling and operations of a NG vehicle.
3. **Outreach** to a broad customer base that may not otherwise have the opportunity to integrate NG into its fleet.
4. The entire project will **cost** \$36.3 million. Funding for the project is being approved from federal and state sources: \$9.95 million from the US Department of Energy's and \$9.3 through the California Energy Commission. Ryder will also provide \$17 million of its own capital.

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