



LONG BEACH TRANSIT

Long Beach Transit's Commitment to Reducing Emissions And Promoting Cleaner Air

Long Beach Transit continues to play a leadership role in efforts towards improving air quality for our community. Long Beach Transit is the seventh largest public transit operator in California. We serve nearly 27 million boarding customers per year on our 240 buses, shuttles and vans. We are very proud of our record for aggressively implementing strategies to reduce emissions and promote cleaner air for our region.

LBT already operates under increasingly stringent regulations adopted and enforced by both the California Air Resources Board (CARB) and South Coast Air Quality Management District (SCAQMD).

LBT has an aggressive policy for retiring aging buses for the purpose of integrating cleaner more efficient buses into the fleet, and reducing maintenance costs and vehicle road calls.

LBT was the first agency in California to install particulate traps on our diesel bus fleet, allowing for an emissions level almost to that generated by Compressed Natural Gas (CNG) and Liquefied Natural Gas (LNG) buses. The level of Particulate Matter (PM) is .001, below the .01 minimum requirements, and our entire fleet is below the minimum 4.8 Oxides of Nitrogen (NOx) emissions threshold.

LBT has been using ultra low sulfur fuel since 2001, well before the July 2002 deadline for compliance. Ultra low sulfur diesel fuel goes through an extensive refining process, removing most of the sulfur from the product -- approximately 10 times less sulfur than standard diesel fuel, thus reducing particulate emissions.

LBT has added 13 high capacity, 60' articulated coaches to our fleet, which allow us to carry more passengers on fewer buses, thus reducing emissions.

LBT has recently received 45 hybrid gasoline electric buses for use throughout our service area. Their arrival signals LBT's efforts to begin the phase-out of diesel vehicles in our bus fleet. As the first transit agency in the world to use the production model of this technology in regular service, Long Beach Transit is well ahead of current California regulation deadlines for reducing emissions. The emissions from these new vehicles are the lowest of any heavy-duty bus currently available for purchase, including CNG and LNG. The projected gas mileage for the hybrid vehicles is 5.5 miles per gallon, or 50 percent better than current diesel buses.

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