

CLEAN FLEET COLLECTION VEHICLE REPLACEMENT

IF YOU WISH TO SPEAK TO CITY COUNCIL, PRINT YOUR NAME, ADDRESS, AND EMAIL.

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Natural Gas Fleet Strategy at Waste Management *Moving towards Zero Tailpipe Emissions*



With more than 32,000 collection and support vehicles on the road throughout North America, Waste Management has committed to reducing the environmental impacts of these vehicles. Waste Management is a leader in the use of alternative fuel vehicles. The company has over 1,000 natural gas trucks on the road, the largest heavy-duty fleet of natural gas trucks in North America.

Waste Management has committed to transitioning its fleet of over 18,000 Class 8 collection vehicles from diesel to natural gas. For every Class 8 truck that we convert to natural gas, we reduce our use of diesel fuel by an average of 8,000 gallons per year. This reduces our greenhouse gas emissions (GHG) by over 21 metric tons per year per truck.

Natural Gas Trucks Emit Fewer Emissions than Diesel Trucks

- Nitrogen oxide (NOx) emissions are reduced by up to 50% compared to 2010 diesel engines and even more compared to the older diesel engines we are replacing;
- Greenhouse gas emissions (GHG) are reduced by over 21% compared to standard diesel engines; and
- GHG can be reduced by over 80% when using CNG& LNG derived from landfill gas instead of standard pipeline gas.



WM is Making a Significant Financial Investment in Natural Gas Trucks and Infrastructure

- Waste Management has a goal of replacing 80% of its new Class 8 vehicles with natural gas trucks - at a cost of over \$300,000 per truck.
- The company will be developing new fueling stations each year to support the new natural gas trucks. Each facility costs several million dollars.
- WM will build public fueling stations wherever practical.

Other Benefits of Natural Gas Trucks

- Natural gas trucks are quieter, easier to maintain and weigh less than their new diesel truck equivalents.
- Natural gas trucks provide a bridge to future zero tailpipe emission vehicles. They can use biomethane from landfill gas, sewage treatment facilities and dairies, which reduces GHG emissions by over 80%.