



U.S. Department of Transportation
Federal Highway Administration



Source: Homewood Disposal Service, Inc.

CMAQ – Project Spotlight

Compressed Natural Gas (CNG) Refuse Haulers & Fueling

Park Forest and Homewood, Illinois

Reduced Diesel Emissions and Expanded Alternative Fuel Options

This **five-year project** included two parts. The first part was the expansion of the Park Forest Compressed Natural Gas (CNG) facility, including design and construction of a new CNG facility in Homewood to provide **30 fill stations plus 3 filling stations for public access**. The project also funded the replacement of 60 diesel powered refuse haulers with 60 CNG refuse vehicles. The vehicles purchased collect refuse and recycling materials, as well as, construction debris in 78 communities in Northeast Illinois.

Project Benefits:

- Reduced diesel particulate matter (PM) emissions.
- Increased availability of public CNG fueling stations.
- Reduced volatile organic compound (VOC) and nitrogen oxide (NOx) emissions.
- Reduced petroleum consumption.



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Together with Homewood Disposal, Inc., the communities of Park Forest and Homewood, IL, will be served by CNG refuse haulers and have access to a public CNG fueling station.

Key Project Details:

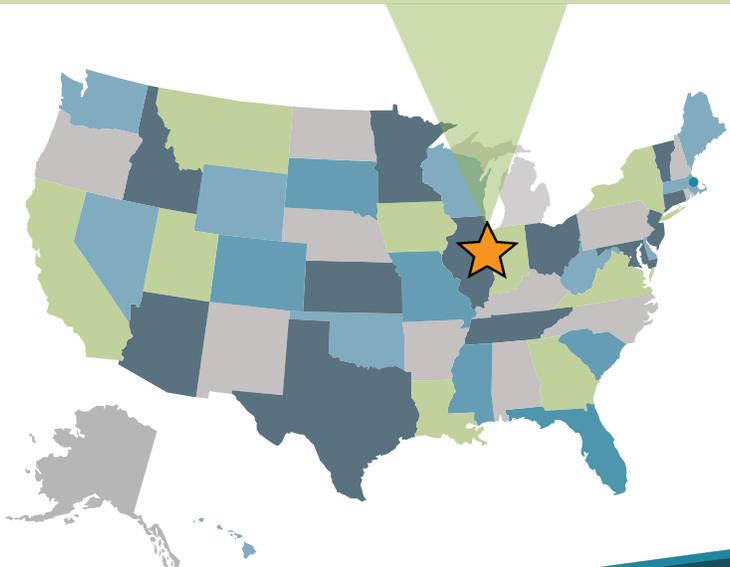
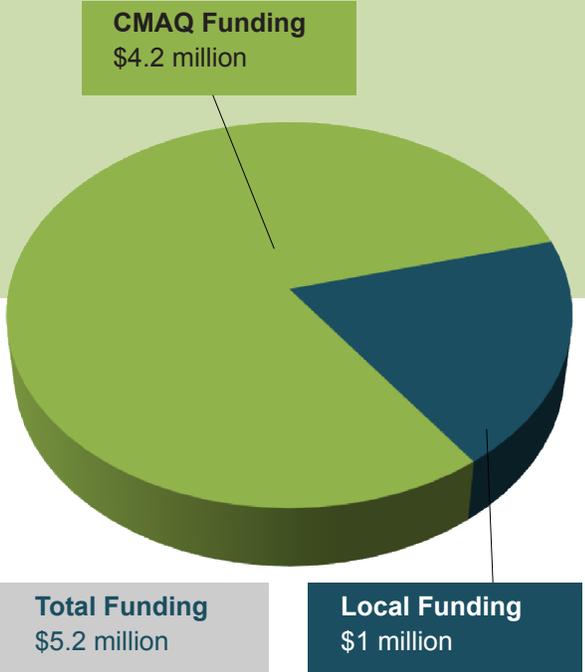
Location: Park Forest, Illinois;
Homewood, Illinois

Sponsor: Chicago Metropolitan
Agency for Planning

Project Type: Alternative Fuels
and Vehicles

Emission Benefits:

VOC: **0.73 kg/day**
NOx: **34.26 kg/day**
PM2.5: **0.44 kg/day**



Congestion Mitigation and Air Quality Improvement (CMAQ) Program
For more information: www.fhwa.dot.gov/environment/air_quality/cmaq/