



Fueling Change for Minnesota Drivers

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Twin Cities Clean Cities Coalition

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Overview of TC4



Clean Cities Coalitions



* Connecticut Clean Cities Include:
 - Norwich
 - New Haven
 - Connecticut Southwestern Area
 - Capitol Clean Cities (Hartford area)

Map Date: 07/23/14

Overview of TC4



Advanced Process Solutions
American Lung Assoc in MN
AmeriGas
Buesing Bulk Transport Inc
CenterPoint Energy
Chart Inc
CHS
City of Brooklyn Park
City of Duluth
City of Minneapolis
City of Oakdale
City of St. Paul
Clean N' Green Fuel
Dakota County

Eaton Corporation
Environmental Initiative
Ferrellgas
Ford Motor Company
G&K Services
General Motors
Grossman Chevrolet
Hennepin County
Holiday Companies
Kwik Trip
MN Biofuels Association
MN Corn Growers Association
MN Department of Admin
-- Travel Mgmt

MN Department of Agriculture
MN Div of Energy Resources
MN Pollution Control Agency
MN Propane Association
MN Soybean Growers Assoc.
MN Valley Transit Authority
Ramsey County
Schwan's Food Service
United Soybean Board
U.S. Department of Energy
- Clean Cities
U.S. General Serv Admin
USPS Northland District
AJ Moses, private citizen

Benefits of TC4 Membership



- Promote your fleet success stories
 - Motorweek, stakeholder summit, case studies
- Eligible for USDOE funding
- Access to alternative fuel news, events, funding announcements
- Webinars, workshops, training opportunities



Resources



Alternative Fuels Data Center
www.afdc.doe.gov



Twin Cities Clean Cities Coalition
www.CleanAirChoice.org



Alternative Fuels in MN

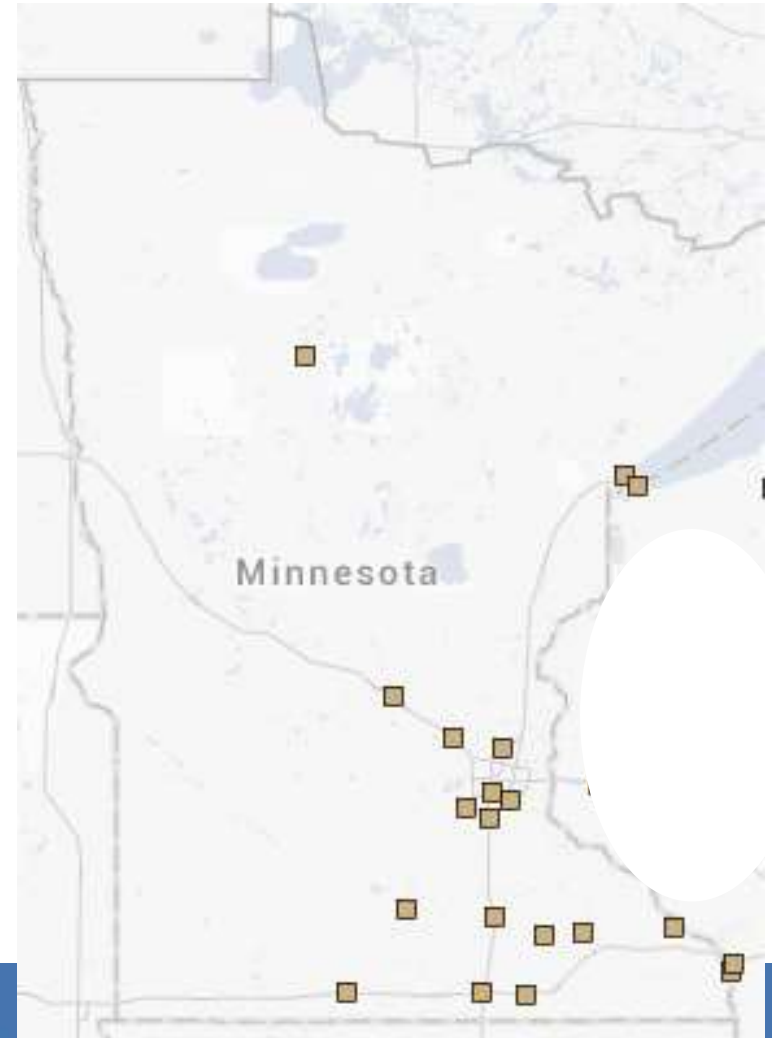


- 280+ E85 outlets in MN – more than any other state
 - ~80 Mid-level ethanol blend pumps (E20 – E50)
- ~20 E15 retailers by end of 2014 (2001 and newer vehicles)
- 1st state to require biodiesel blends: 5% biodiesel blend (B5) in virtually all diesel sold statewide, 10% blend in warm weather-months.
- Propane vehicles: Schwan's delivery trucks have been powered by propane since the 1970s. 30+ propane fueling stations in Minnesota, including many U-Haul facilities.
- 180 public and private electric vehicle charging stations in Minnesota.

Refueling with Natural Gas



- Albert Lea – Kwik Trip (opening Nov. 14)
- Austin – Kwik Trip (opening Nov. 14)
- Bemidji – private
- Blaine – Clean N' Green
- Burnsville – Clean N' Green
- Dodge Center -- private
- Duluth – Holiday Station
- Eagan – Kwik Trip
- Fairmont – CHS
- Mankato – Kwik Trip
- Minneapolis – CenterPoint Energy
- Minnesota City – Kwik Trip
- Owatonna – Kwik Trip
- Rochester – Kwik Trip
- Saint Cloud – New Flyer
- Shakopee – private
- St. Michael – Kwik Trip



Who Is Using Natural Gas?



■ In Minnesota:

- Refuse Haulers
 - ACE, Waste Management, Randy's, Dick's
- Kwik Trip
- Dart/Anderson Windows
- Fastenal
- Rochester Shuttle Service

■ Nationally (from NGV America):

- 1/5 of all transit buses CNG or LNG in 2011
- Fastest growing segment: waste collection and transfer vehicles;
- Airport fleets: third largest user



Clean Air Benefits of Natural Gas



Compared to vehicles powered by traditional petroleum fuels, CNG-fueled vehicles emit considerably less of the following major air pollutants:

- Hydrocarbon
- Carbon monoxide
- Oxides of nitrogen
- Greenhouse gases

Fewer health concerns through reduced emissions:

- Asthma, emphysema, bronchitis all linked to smog



CNG LNG



Low Emission Natural Gas Vehicle

**Cleaner
Quieter
Cost Effective**

CleanAirChoice.org



Twin Cities The Alternatives Are Clear
Clean Cities Coalition

A vertical blue sidebar containing promotional information. At the top are two green diamond-shaped logos for 'CNG' and 'LNG'. Below them is a photograph of a dark-colored vehicle with 'Low Emission Natural Gas Vehicle' written on its side. The text 'Cleaner Quieter Cost Effective' is centered in white. At the bottom is the website 'CleanAirChoice.org' and the Twin Cities Clean Cities Coalition logo.

Change Is In The Air



- Vehicle exhaust is the single largest source of air pollution in the state of Minnesota.
- Federal air quality standards for ozone pollution are expected to tighten soon. Minnesota could soon be outside air quality guidelines.



Contact Information



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