

What Is Clean Cities?

Clean Cities is a government-industry partnership designed to reduce petroleum consumption in the transportation sector by advancing the use of alternative fuels and vehicles, idle reduction technologies, hybrid electric vehicles, fuel blends, and fuel economy measures.

Sponsored by the U.S. Department of Energy's (DOE) Vehicle Technologies (VT) Program, Clean Cities contributes to the energy, environmental, and economic security of the United States by reducing our dependence on imported petroleum. Established in 1993 in response to the Energy Policy Act (EPA) of 1992, the partnership provides tools and resources for voluntary, community-centered programs to reduce consumption of petroleum-based fuels.

In almost 90 coalitions, government agencies and private companies voluntarily come together under the umbrella of Clean Cities. The partnership helps all parties identify mutual interests and meet the objectives of reducing the use of imported oil, developing regional economic opportunities, and improving air quality.

Which technologies are included?

The portfolio provides a range of options and flexibility to meet the petroleum displacement goals.

Clean Cities deploys technologies and practices developed by VT. These include truck stop electrification and onboard auxiliary power to reduce fuel used in idling trucks, hybrid electric vehicles, the blending of non-petroleum based fuels (such as ethanol or biodiesel) with conventional fuels, higher efficiency vehicles and driving practices, and the cornerstone of the portfolio, alternative fuels. The alternative fuels, which are defined by EPA and supported by Clean Cities, include ethanol, biodiesel, hydrogen, electricity, liquefied petroleum gas (propane), and natural gas.

How does Clean Cities work?

The partnership mobilizes local stakeholders in government and industry.

Clean Cities draws stakeholders from local, state, and federal agencies; public health and transportation departments; commercial fleets; transit agencies; and other government offices; as well as auto manufacturers, car dealers, fuel and equipment suppliers, public utilities, and nonprofit associations. More than 5,500 stakeholders

have accepted the invitation to contribute to the partnership's mission.

Clean Cities is instrumental in cultivating an advanced transportation community in which people learn about a wide range of options and technologies. In addition, Clean Cities helps create markets for alternative fuel vehicles (AFVs), hybrids, fuel blends, fuel economy, and idle reduction. A Clean Cities coalition can provide a forum for members to leverage their resources, develop joint projects, collaborate on public policy issues, and promote petroleum displacement and clean air technologies.

The partnership addresses the challenge of moving the United States away from the infrastructure and practices that contribute to dependence on imported petroleum and toward energy independence and security. In support of this challenge, Clean Cities assists the nation in meeting its objectives for renewable and alternative fuel use.

What kind of assistance does Clean Cities offer?

Clean Cities provides coordinated strategies and technical and funding resources.

At the national level, Clean Cities provides original equipment manufacturers, trade associations, and other federal agencies with coordinated strategies and resources they can leverage to obtain maximum petroleum displacement. Clean Cities also provides coalitions with access to information and incentives from DOE and other federal agencies and industry partners that can help fund significant, high-impact projects.

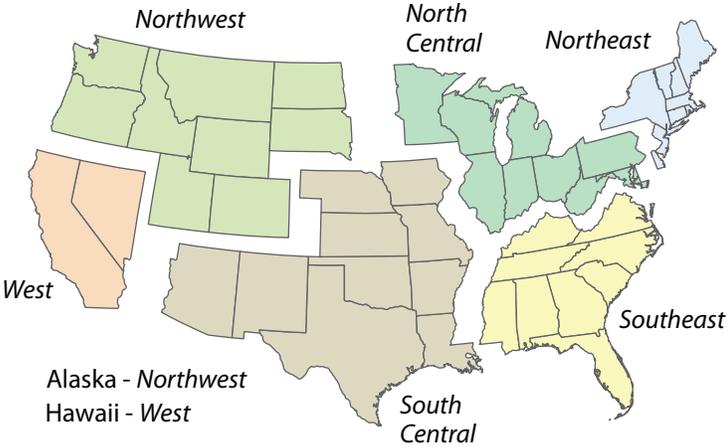
Additionally, Clean Cities provides a large collection of technical data and information, including current data on fuels, vehicles, fueling station and truck-stop electrification locations, infrastructure development, state and federal incentives and laws, technical and outreach publications, and industry resources—all available via the Internet. Finally, Clean Cities offers technical assistance to coordinators as they work to develop infrastructure and market strategies.

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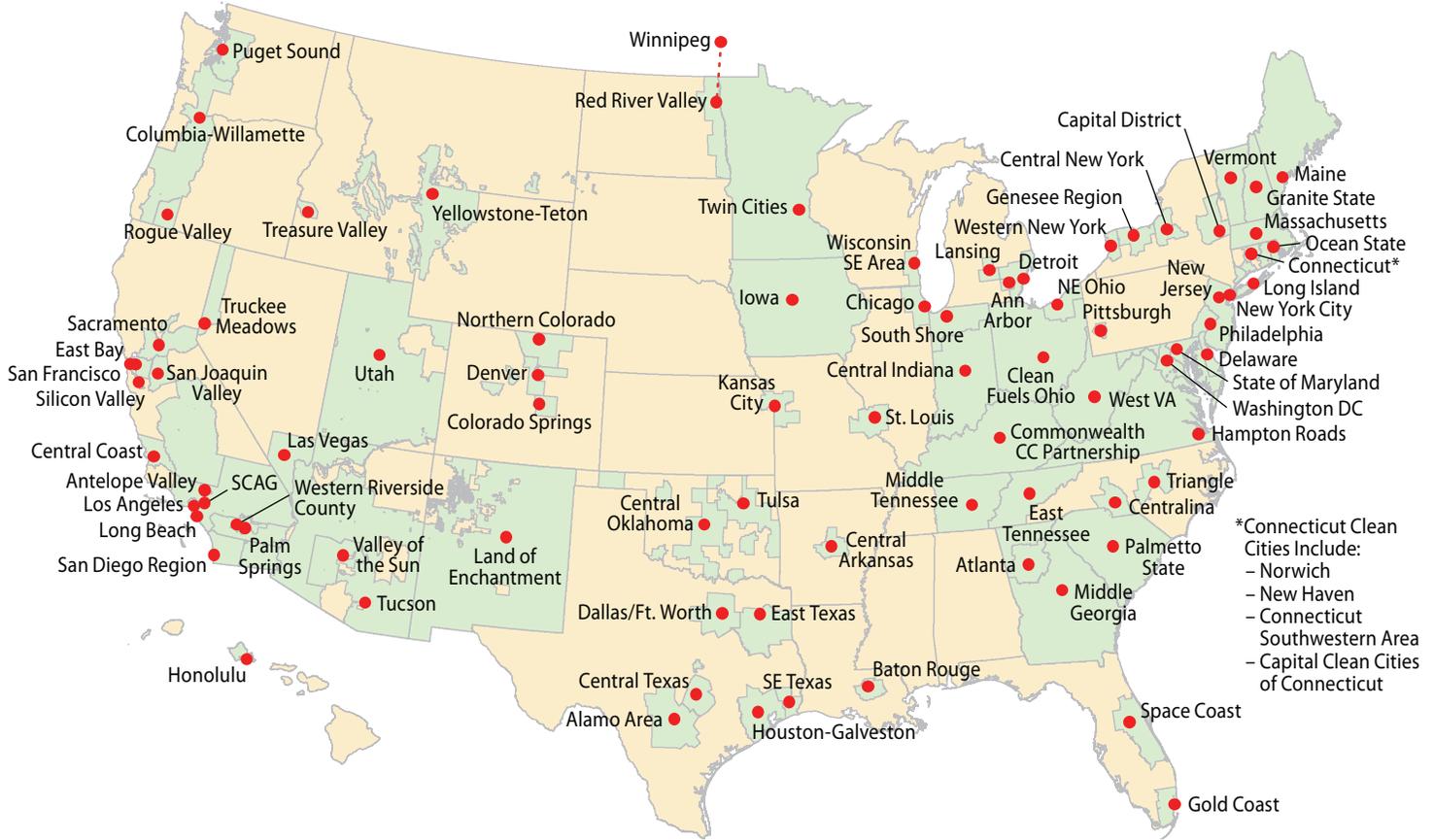
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What has Clean Cities accomplished?

Since 1993, Clean Cities and its stakeholders have displaced the equivalent of more than 1.6 billion gallons of petroleum fuels.

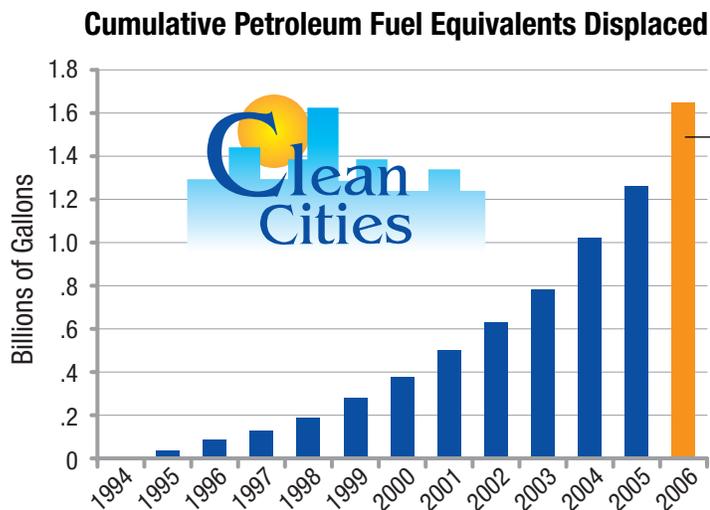
Clean Cities is integral to many success stories. It has spurred significant gains in the nation's AFV population and associated fueling infrastructure. Clean Cities tracks the activities and accomplishments of its coalitions, translating them into petroleum displacement. Clean Cities stakeholders annually submit data regarding alternative fuel-blend sales, AFV and hybrid electric vehicle deployment, idle reduction initiatives, and fuel economy measures. Clean Cities then analyzes the data to identify equivalent petroleum fuel reduction impacts. This tracking represents only a small percentage of the actual impact of Clean Cities. The program lays the groundwork for local and regional partnerships to increase the use of alternative and advanced vehicles and fuels, which ripples out from the coalitions.

Through local and national events, special emphasis is focused on educating fleet managers and interested stakeholders about Clean Cities technologies. In addition, Clean Cities has created many funding opportunities through a variety of financial support programs, making available millions of dollars and leveraging millions more in categories such as fuel infrastructure, AFV incremental cost buy-downs, and idle reduction education.

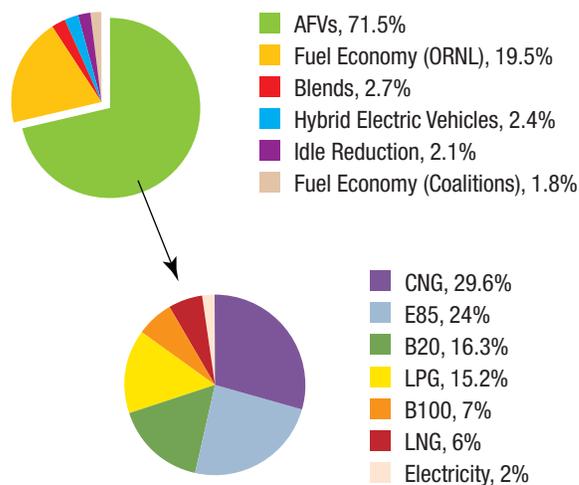
Where can I find more information?

Visit the following DOE Web sites to find programmatic information and technical data.

- **Clean Cities:** This site features program background and accomplishments, an online newsletter, and a toolbox (www.eere.energy.gov/cleancities).
- **Alternative Fuels and Advanced Vehicles Data Center (AFDC):** This comprehensive site provides detailed information on Clean Cities' five portfolio areas and has searchable databases of more than 3,000 documents and incentives and laws (www.eere.energy.gov/afdc). Also available on the AFDC:
 - **Vehicle Make/Model Search**—Look up specs on alternative fuel and advanced technology vehicles and trucks and buses (www.eere.energy.gov/afdc/progs/vehicles_search.php).
 - **Alternative Fueling Station Locator**—Find fueling sites offering alternative fuels across the country (www.eere.energy.gov/afdc/fuels/stations_locator.html).
- **FuelEconomy.gov:** This site compares gas mileage, emissions, air pollution ratings, and safety data for new and used vehicles.
- **EERE Information Center:** This service provides assistance on energy efficiency and renewable energy topics. Inquiries requiring more technical expertise are forwarded to Clean Cities specialists (877-337-3463).



2006 Petroleum Displacement by Technology Type



Breakdown of AFV Displacement by Vehicle Type

Sponsored by the U.S. Department of Energy
Energy Efficiency and Renewable Energy
Vehicle Technologies Program

For more information contact: EERE Information Center
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www.eere.energy.gov

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A Strong Energy Portfolio for a Strong America

Energy efficiency and clean, renewable energy will mean a stronger economy, a cleaner environment, and greater energy independence for America. Working with a wide array of state, community, industry, and university partners, the U.S. Department of Energy's Office of Energy Efficiency and Renewable Energy invests in a diverse portfolio of energy technologies.

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