

Land of Enchantment Clean Cities Coalition

U.S. DEPARTMENT OF
ENERGY

Energy Efficiency &
Renewable Energy



Electric Vehicles in New Mexico

Why Clean Cities?

Clean Cities

advances the energy, economic, and environmental security of the United States by supporting local actions to cut petroleum use in transportation.

Reduced petroleum consumption

Reduced greenhouse gas (GHG) emissions

Reduced dependence on imported petroleum

Complementary Framework



Clean Cities coalitions are locally based with the ability to tap national resources.

Land of Enchantment Clean Cities Coalition

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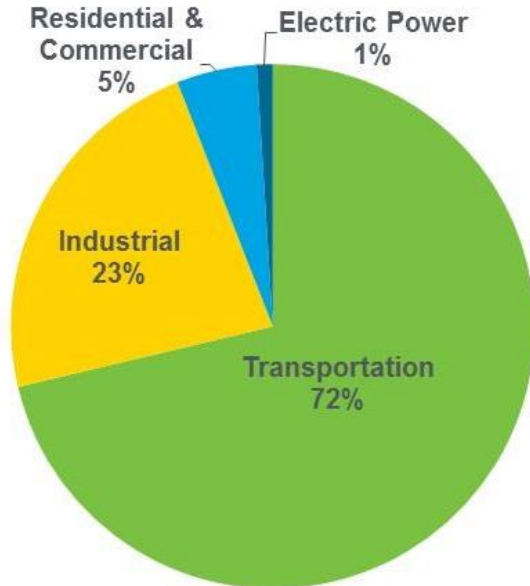
- Established in 1994
- Work in New Mexico includes advocacy, education and project coordination at the local, state and federal level
- Assist communities with fleet evaluations, staff training, and clean transportation fuels information
- Increase awareness of resources available for clean transportation options
- Advocate for clean transportation policies and programs at the state and federal level

www.loecleancities.org

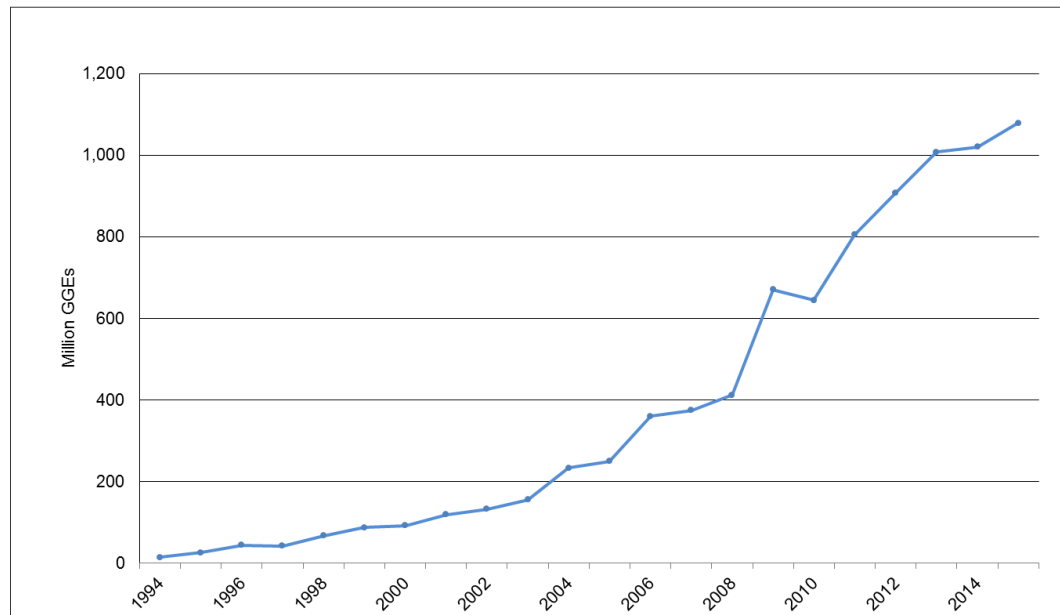
Benefits: Reduced Petroleum Consumption

- **Fact:** Transportation accounts for more than 70% of petroleum consumption in the United States.
- As of 2015, **Clean Cities** has saved more than 8.5 billion gallons of petroleum.

U.S. Petroleum Use by Sector



Clean Cities Annual Petroleum Savings



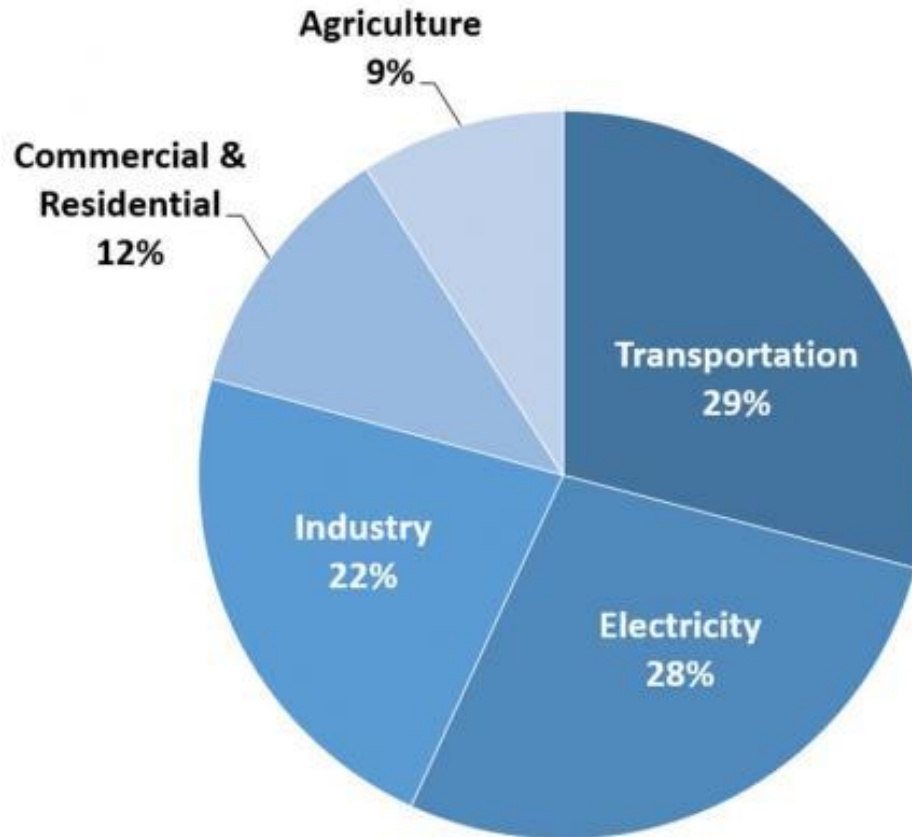
Program Goal



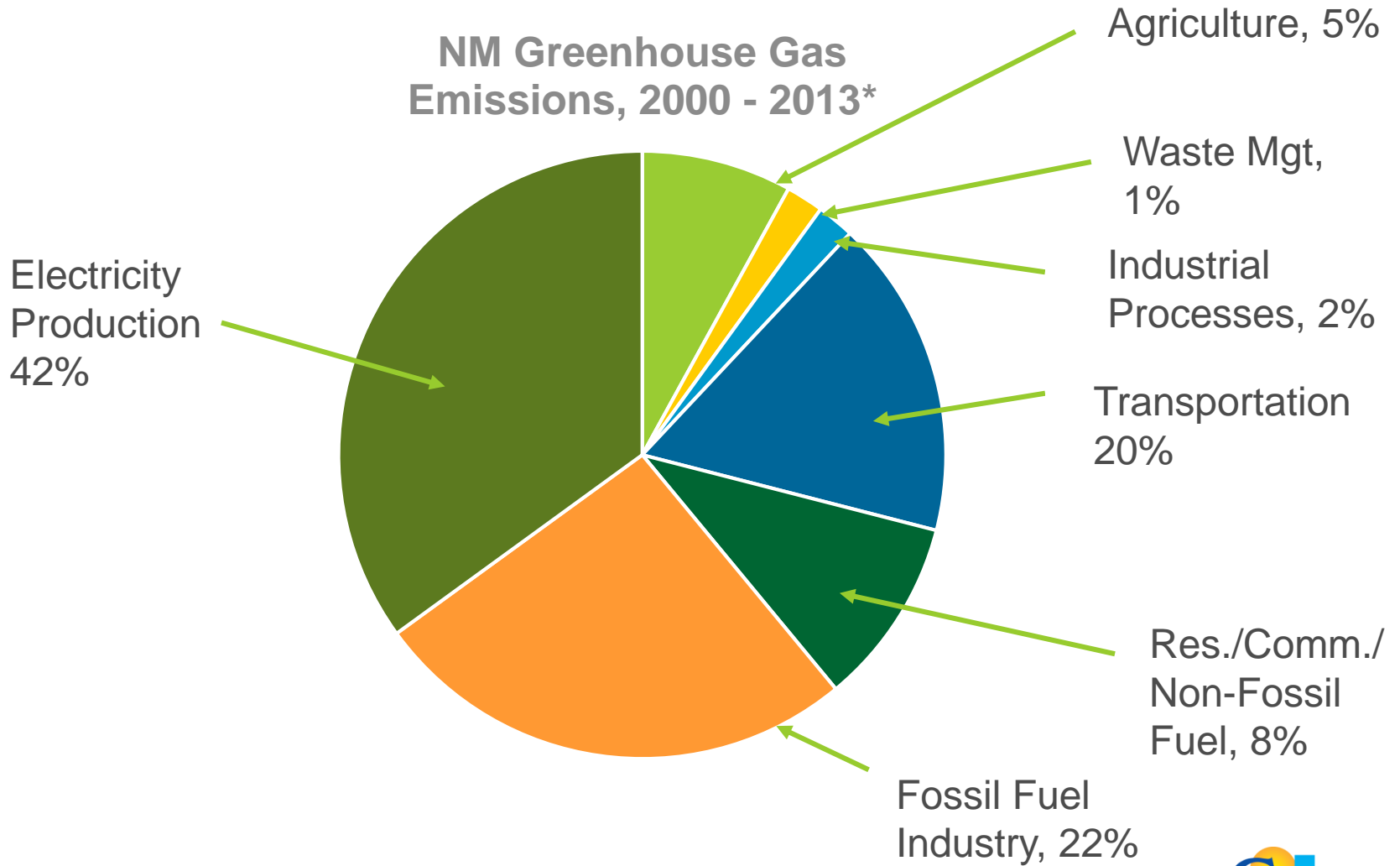
**Goal: 2.5 Billion Gallons of Petroleum
Reduced Annually by 2020**

Benefits: Reduced GHG Emissions

Total U.S. Greenhouse Gas Emissions by Economic Sector in 2017



NM Climate Emissions



*NM Environment Department



Benefits of Electrifying Your Fleet

- Lower fuel costs
 - Electricity is much cheaper than gasoline or diesel fuel
- Significantly less operations and maintenance costs
- No/fewer emissions



Opportunities in New Mexico

Increase

Increase the number of electric vehicles available through the State of New Mexico's pricing agreement.

Apply

Apply for resources through the most recent Volkswagen settlement monies through the NM Environment Department.

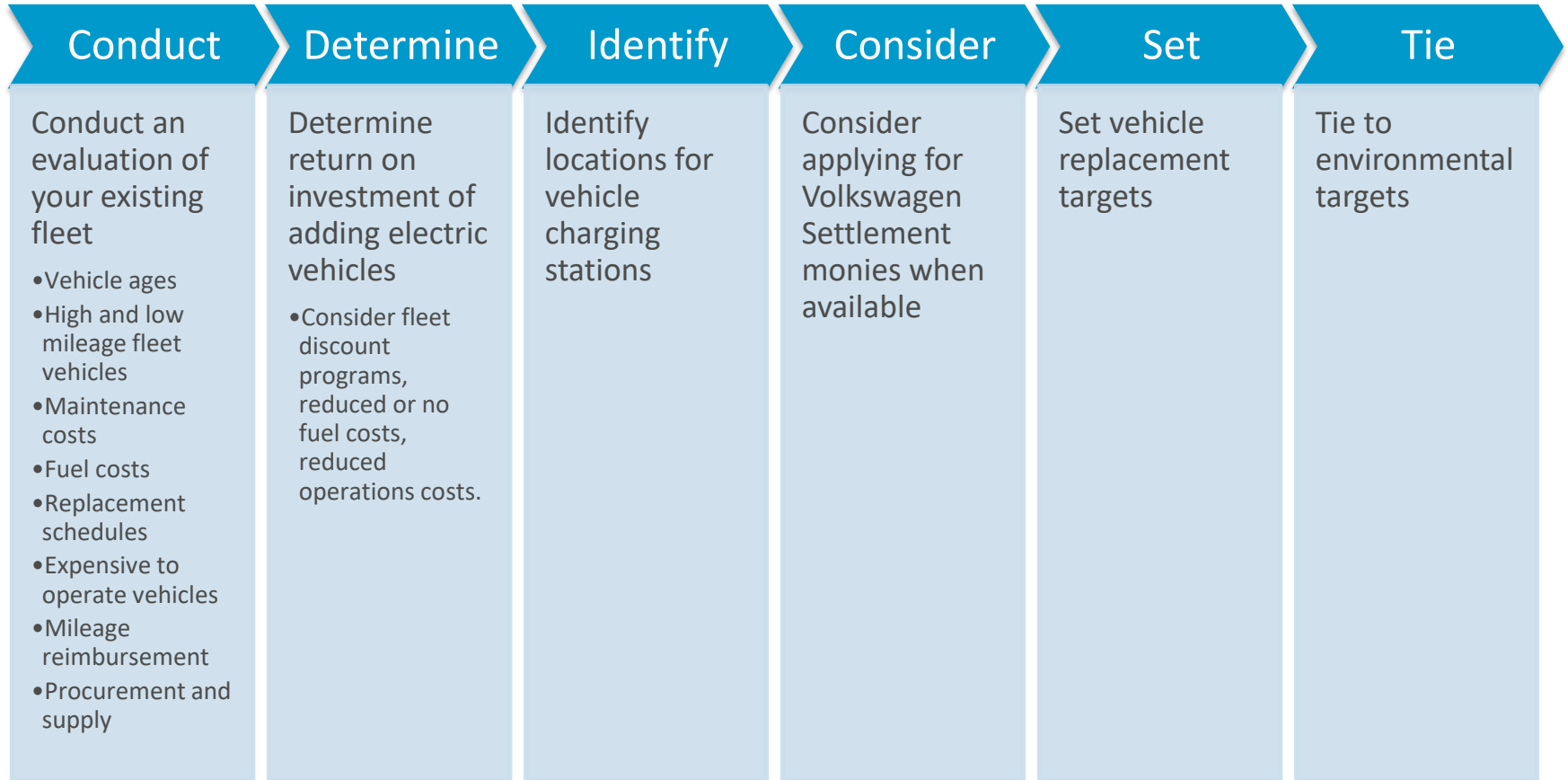
Develop

Develop regional partnerships to increase charging network – utilities, electric cooperatives, local government, tribes, dealers, charging companies.

Support

Support legislation that advocates for clean transportation options. Examples include electric vehicle tax credits, permanent state transit funds.

Steps Your Community Can Take Now



Resources Available through Clean Cities

Information & Education: Alternative Fuels Data Center



U.S. DEPARTMENT OF **ENERGY** | Energy Efficiency & Renewable Energy

EERE Home | Programs & Offices | Consumer Information

Alternative Fuels Data Center

Search the AFDC

FUELS & VEHICLES | CONSERVE FUEL | LOCATE STATIONS | LAWS & INCENTIVES | **Maps & Data** | Case Studies | Publications | **Tools** | About | Home

EERE » AFDC [Printable Version](#) [Share](#)

Fuels & Vehicles

Biodiesel | Electricity | Ethanol | Hydrogen | Natural Gas | Propane

Need a Jump?

Ten ways to get rolling on petroleum savings, emissions reductions, and lower fuel costs.

Information by State

select a state

Information by Fleet Application

- Delivery Services
- Refuse Collection
- Public Transit
- School Transportation

Maps & Data

- U.S. Alternative Fueling Stations by Fuel Type
- Alternative Fuel Vehicles in Use
- U.S. Hybrid Electric Vehicle Sales by Model

Fuel Prices

Tools

- Laws & Incentives
- Electricity Sources & Emissions
- Vehicle Cost Calculator
- Vehicle Search
- Petroleum Reduction Planning Tool

Station Locator

The AFDC is a resource of the U.S. Department of Energy's Clean Cities program.

- ✓ Specific information on fuels, vehicles, technologies, and strategies
- ✓ Tools
- ✓ Publications
- ✓ State-specific information
- ✓ Fleet-specific information

afdc.energy.gov



U.S. Department of Energy



U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy | Office of Transportation & Air Quality | U.S. ENVIRONMENTAL PROTECTION AGENCY

www.fueleconomy.gov

the official U.S. government source for fuel economy information

Mobile Español Site Map Links FAQ Videos

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Want to know more about hybrid and electric car options?
We can help.

Find & Compare Cars



- Compare Side-by-Side
- Power Search
- Mobile Find-a-Car

My MPG




- Calculate or Share Your MPG
- Estimates from Drivers Like You
- Enter Your MPG at the Pump

Save Money



- Gas Mileage Tips
- Fuel Cost Calculator
- Find the Cheapest Gas

Hybrids & Electrics



- Hybrids
- Plug-in Hybrids
- All-Electric Vehicles

Calculators and Other Tools

- Fuel Savings Calculator
- Trip Calculator
- Can a Hybrid Save Me Money?
- My Plug-in Hybrid Calculator
- Used Car Label Tool
- Developer Tools
- Find a Car Widget

New on fueleconomy.gov...

- 2015 Fuel Economy Data Updated
- 2015 Fuel Economy Guide
- 2015 Best and Worst Fuel Economy
- 2015 Top 10 Most Efficient Vehicles

Quick Picks

- Can a Hybrid Save Me Money? Video - How Plug-in Hybrids Save Money
- Extreme MPG
- Motorweek Videos
- Top 10 - Most Efficient Vehicles, Myths and More
- My Plug-in Hybrid Calculator

Related Links

- Clean Cities
- Alternative Fuels Data Center
- Vehicle Cost Calculator
- Station Locator
- EPA Climate Change Website
- EV Explorer

- ✓ Find and compare cars
- ✓ Get driving and vehicle maintenance tips
- ✓ Calculate fuel costs
- ✓ Track your MPG
- ✓ Explore advanced vehicle information
- ✓ Learn about the ratings

FuelEconomy.gov



Information & Education: Mobile Tools



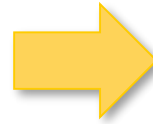
Alternative Fuels Data Center

Alternative Fuels Data Center

Find alternative fueling stations near an address or ZIP code or along a route in the United States. Enter a state to see a station count.

14,666 alternative fuel stations in the United States

Go to mobile version



Beverly Hills, CA, Un...

Clean Energy - City of Burbank
8.8 mi - 810 N Lake St

Station

Kohl's
Electric
15680 W 64th Ave
Arvada, CO 80007

Directions

Call (888-758-4389)

Hours 24 hours daily

Access Public - see hours

ELECTRIC

Network ChargePoint Network

AC Level 2 2 chargers

www.fueleconomy.gov

Find a Car | Save Money & Fuel | Benefits | My MPG | Advanced Vehicles & Fuels | About EPA Ratings | More...

Find and Compare Cars

Select Year, Select Make, Select Model

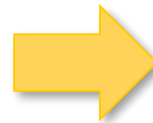
Need help choosing a car? Search by MPG, price, make, body style, and much more with our Power Search

Today's Most Viewed: Family Cars, SUVs, Pickups

1. 2014 Toyota Prius
2. 2014 Honda Accord
3. 2014 BMW i3 BEV
4. 2014 Ram 1500 4WD
5. 2014 Honda Civic

New Vehicles by MSRP

Under \$15,000 | \$15,000 - \$20,000 | \$20,000 - \$25,000 | \$25,000 - \$30,000 | \$30,000 - \$35,000 | \$35,000 - \$40,000 | \$40,000 - \$45,000 | \$45,000 - \$50,000 | \$50,000 - \$55,000 | \$55,000 - \$60,000 | \$60,000 - \$65,000 | \$65,000 - \$70,000 | \$70,000 - \$75,000 | \$75,000 - \$80,000 | \$80,000 - \$85,000 | \$85,000 - \$90,000 | Over \$90,000



fueleconomy.gov/m

Find and Compare Cars

Select Make...

Model Year: 2015

Acura Alfa Romeo Aston Martin Audi Bentley BMW Bugatti Buick Cadillac Chevrolet Chrysler Dodge Ferrari Fiat Ford GMC Honda Hyundai Infiniti Jaguar Jeep Kia Lamborghini Land Rover Lexus Lincoln Maserati Mazda Mercedes-Benz MINI Mitsubishi Nissan Porsche Ram Rolls-Royce Scion smart Subaru Toyota Volkswagen Volvo

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2015 Chevrolet Volt

1.4 L, 4 cyl, Auto (variable gear ratios), Premium Gas or Electricity

EPA Fuel Economy
Electricity
Combined: 95 MPGe*
(35 kw-hrs/100 mi)

Premium Gasoline
Combined: 37 MPG
City: 35 MPG
Highway: 40 MPG
* 1 gallon of gas equivalent=33.7 kw-hr

Cost to Drive
Annual Petroleum Use
Greenhouse Gas Emissions
EPA Smog Score

Where can I charge my car?

Compare Cars Personalize Help



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Vol. 19, No. 2
Winter 2015

Clean Cities Now





Inside:

- Airport Gets Greener with Electric Ground Support Equipment
- Coordinators Honored for Outstanding Efforts to Cut Petroleum Use
- Strategy Meeting Lays Groundwork for the Next Five Years
- How AFVs Must Measure Up to Federal Emissions Standards

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

Plug-In Electric Vehicle Handbook for Consumers

Adams 12 School District in Colorado has successfully implemented a propane project adding 12 propane buses to their fleet. So far the buses have had low maintenance costs and above average reliability, and are a favorite among district school bus drivers.
Photo by Denise Schwabke/ANZL 1/12/12

Clean Cities
U.S. Department of Energy


Energy

Costs Associated With Non-Residential Electric Vehicle Supply Equipment

Factors to consider in the implementation of electric vehicle charging stations

November 2015

Prepared by New West Technologies, LLC for the U.S. Department of Energy Vehicle Technologies Office



Everywhere

Clean Cities
U.S. Department of Energy

U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy

Clean Cities

Building Partnerships to Cut Petroleum Use in Transportation

The U.S. Department of Energy's (DOE's) Clean Cities program advances the nation's economic, environmental, and energy security by supporting local actions to cut petroleum use in transportation. At the national level, the program develops and promotes publications, tools, and other unique resources. At the local level, nearly 100 coalitions leverage these resources to create networks of stakeholders. The coalitions support fleets by providing technical assistance for implementing alternative and renewable fuels, idle-reduction measures, fuel economy improvements, and emerging transportation technologies.

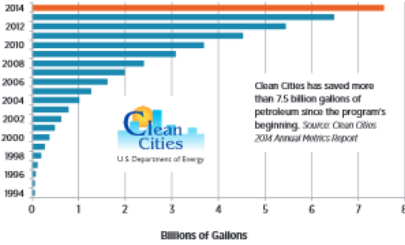
Clean Cities was established in 1993 in response to the Energy Policy Act of 1992 and is housed within DOE's Vehicle Technologies Office. Since its inception, Clean Cities has saved more than 7.5 billion gallons of petroleum. In doing so, the program has been a catalyst for transportation projects that advance U.S. energy independence, transform local markets, support regional economic development, and reduce harmful vehicle emissions.

Clean Cities at Work

Clean Cities' efforts support reduced dependence on petroleum at the local, state, and national levels. Clean Cities' activities include:

- Building partnerships with local coalitions of public- and private-sector transportation stakeholders
- Developing unbiased and objective information about alternative fuels, advanced vehicles, and other strategies to cut petroleum use
- Advancing interactive, data-driven online tools to help stakeholders evaluate options and achieve goals
- Collecting and sharing best practices, data, and lessons learned to inform choices and build a strong national network
- Providing technical assistance to help fleets deploy alternative fuels, advanced vehicles, and idle-reduction measures
- Working with industry partners and fleets to identify and address technology barriers
- Empowering local decision makers to successfully implement the best petroleum reduction strategy for their circumstance
- Seedling local alternative fuels markets through projects that deploy vehicles and fueling infrastructure.

Clean Cities Cumulative Petroleum Savings



Clean Cities has saved more than 7.5 billion gallons of petroleum since the program's beginning. SOURCE: Clean Cities 2014 Annual Metrics Report

Goal and strategies


Clean Cities is on track to meet its goal of saving 2.5 billion gallons of petroleum per year by 2020. To achieve this goal, Clean Cities employs three strategies:

- Replace petroleum with alternative and renewable fuels, including bio-based, E85, electricity, hydrogen, natural gas, and propane
- Reduce petroleum consumption through technologies and strategies that improve fuel efficiency
- Eliminate petroleum use through idle reduction and other fuel-saving technologies and practices.

VEHICLE TECHNOLOGIES OFFICE | deancities.energy.gov





U.S. DEPARTMENT OF ENERGY | Energy Efficiency & Renewable Energy




A Guide to the Lessons Learned from the Clean Cities Community Electric Vehicle Readiness Projects

January 2014



Get started evaluating your community.

[CREATE ACCOUNT](#)



afdc.energy.gov/pev-readiness

Plug-In Electric Vehicle Readiness Scorecard

The Plug-In Electric Vehicle Readiness Scorecard helps communities assess their readiness for the arrival of plug-in electric vehicles (PEVs) and electric vehicle supply equipment (EVSE).

PEVs are an exciting new transportation option that has the potential to benefit a community's economy, energy security, and environment. As local and regional leaders know, PEV readiness is a community-wide effort, requiring charging infrastructure, planning, regulations, and support services. This scorecard supports these efforts by helping leaders in cities, counties, and larger regions:

- Evaluate a community's PEV readiness
- Receive feedback about strengths and offer ways to improve
- Record and track progress toward PEV readiness.

Get started evaluating your community.


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Log in to your account.

Email

Password

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The U.S. Department of Energy (DOE) encourages you to collaborate with local and regional stakeholders when using this tool to evaluate your community's PEV readiness.

This tool was developed by DOE's [Clean Cities](#) program.

Technical & Problem Solving Assistance



Technical Response Service

- **First-level** resource for stakeholders, consumers, and others
- Research and respond to general inquiries
- Address challenging questions
- Educate legislators and government officials.



TechnicalResponse@icfi.com, 800-254-6735

Tiger Teams

- **Second-level** resource for coordinators, stakeholders, and others
- Expert technical problem solving to overcome obstacles
- Assistance on barriers that challenge local resources
- Help at any point in the project/product life-cycle (concept, development, execution, operation/maintenance, closure).

