



# **GREEN VEHICLE GRANT FUNDING SOURCES**

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**East Bay Clean Cities Coalition**



U.S. Department of Energy  
Energy Efficiency  
and Renewable Energy



**If you only write down one thing.....**

**[www.cleancitieseastbay.org](http://www.cleancitieseastbay.org)**





## Funding Strategies 101

- **Funding sources**
- **Locating opportunities**
- **Keeping up to date**
- **Applying for funding**



## Funding Strategies 101

- **Clean air vehicles cost more**
- **Internal funding mechanisms**  
(you pay for it)
- **External funding sources**  
(somebody else pays for it!)
- **Public vs. private fleet**



# Funding Strategies 101

- **Grants**
- **Vouchers/Incentives**
- **Rebates/tax credits**
- **Leasing?**



## GRANT TYPES

- **Competitive-** Multiple entities vying for a limited amount of funding (e.g. Clean Cities Petroleum Reduction)
- **Formulaic-** No competition; distributed based upon established percentages (population, etc.)  
(e.g. Energy Efficiency and Conservation Block Grant EECBG)
- **Categorical-** For specific projects, may require match
- **Block-** Formulaic grants, as provided to states for further award
- **Earmark-** Awarded through legislation



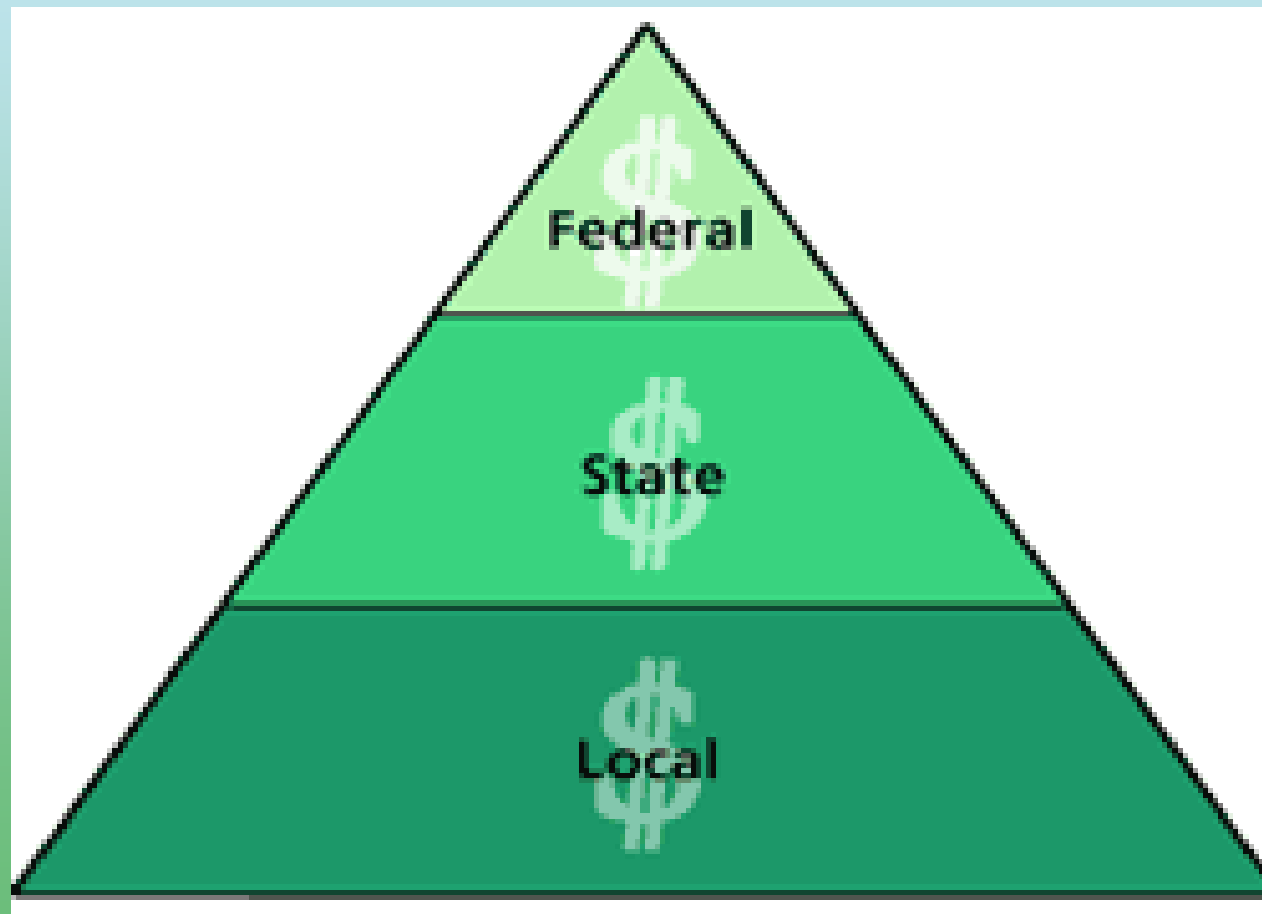




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# THE FUNDING PYRAMID





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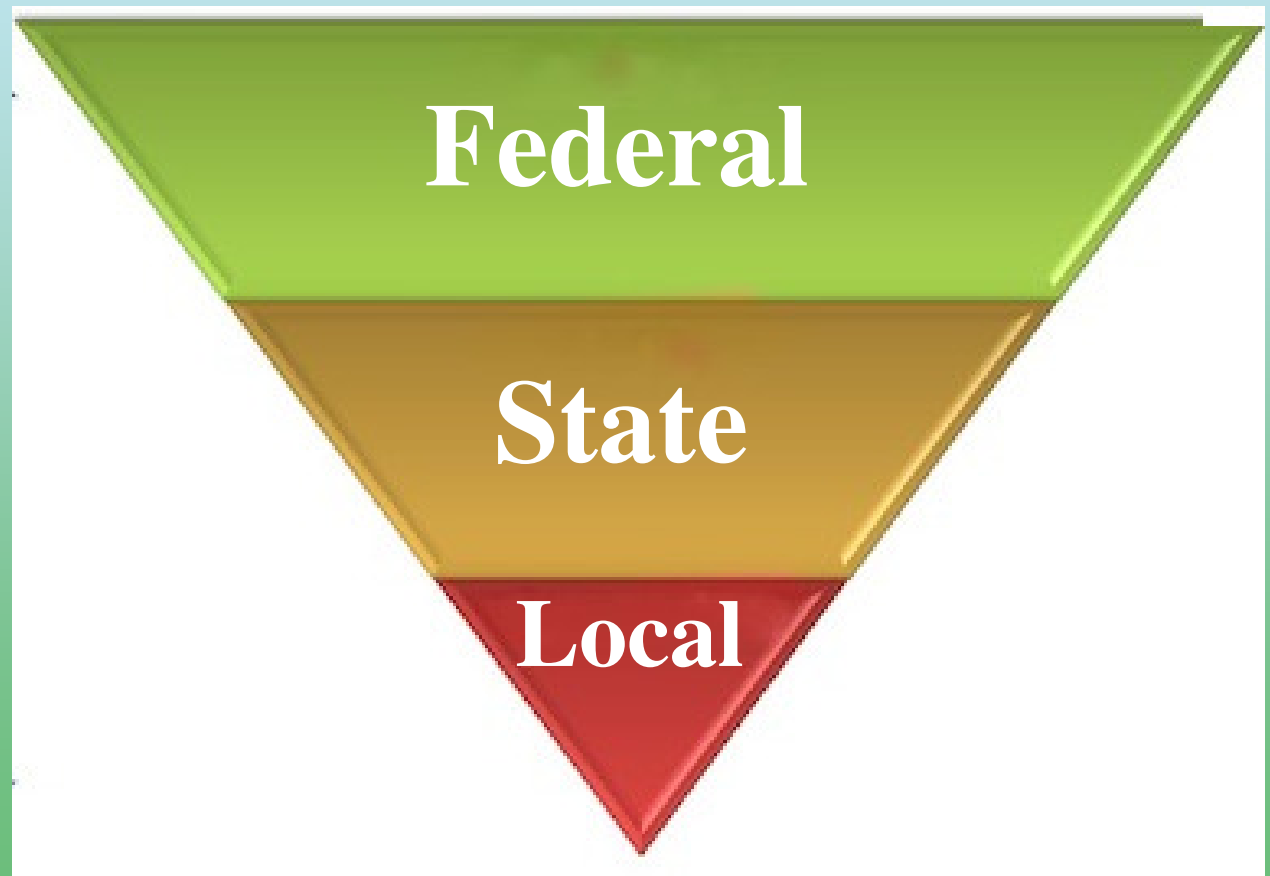
# THE INVERTED FUNDING PYRAMID

\$\$\$

Threshold

Effort

Paperwork



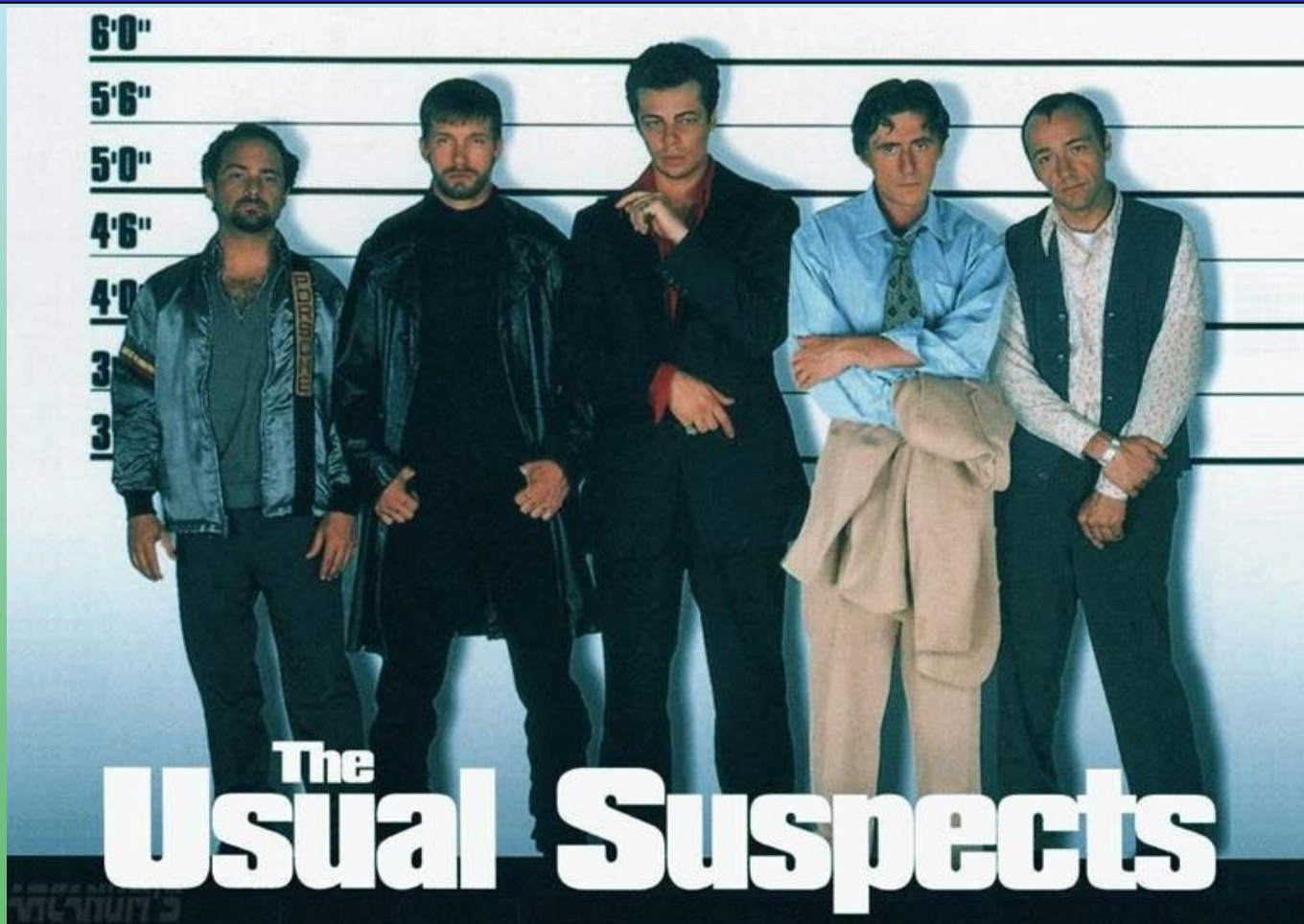




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## FUNDING SOURCES





# FEDERAL

- **Department of Energy (DOE)**
  - EERE, VTP, SEP, Clean Cities
  - <http://www1.eere.energy.gov/vehiclesandfuels/financial/index.html>
- **Environmental Protection Agency (EPA)**
  - National and Regional, NCDC and DERA clean diesel
  - <http://www.epa.gov/otaq/diesel/index.htm>
- **Department of Transportation (DOT)**
  - FTA, FHWA, TCSP, FAA (VALE), etc.
  - [http://www.dot.gov/Government\\_Services.htm](http://www.dot.gov/Government_Services.htm)
- **Department of Agriculture (USDA)**
  - REAP, Flex Fuel dispensers, biofuel production
  - [http://www.usda.gov/wps/portal/usda/usdahome?navid=GRANTS\\_LOANS](http://www.usda.gov/wps/portal/usda/usdahome?navid=GRANTS_LOANS)



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## FEDERAL GRANT SOURCES (test)







## STATE

- **For your state energy office, look here:**  
<http://www.naseo.org/members/states/default.aspx>

- **Alternative Fuels Data Center**  
<http://www.afdc.energy.gov/afdc/states/>

**There may be multiple state level funding entities**

Example: CA Energy Commission and Air Resources Board



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# NASEO STATE ENERGY OFFICE LOCATOR

## NASEO

*Transforming America's Energy Future*

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**State/Territory  
Energy Offices**

Affiliates

### NASEO State & Territory Energy Office Members

Click on the map below for information about each state energy office:

Map labels: AK, WA, OR, ID, MT, ND, MN, WI, MI, NY, VT, ME, NH, MA, RI, CT, NJ, DE, MD, DC, PA, WV, VA, NC, SC, GA, FL, TX, OK, KS, NE, IA, IL, IN, OH, KY, TN, MS, AL, LA, AZ, NM, UT, CO, NV, CA, HI, North Marianas, Puerto Rico, Virgin Islands.



<http://www.naseo.org/members/states/default.aspx>



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# NASEO STATE ENERGY OFFICE LOCATOR

## State/Territory Energy Offices

Affiliates

## NASEO State & Territory Members California

### California Energy Commission

1516 Ninth Street, MS #39  
Sacramento, CA 95814-5512  
916.654.4287 fax: 916.654.4423  
[www.energy.ca.gov](http://www.energy.ca.gov)

### Staff Contacts

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CALIFORNIA REPUBLIC







## LOCAL

- ***Air/Pollution Control Districts***
- ***Metropolitan Planning Organizations (MPO)***  
***Congestion Mitigation & Air Quality (CMAQ) Funds***
- ***Local Clean Cities Coalition***
- Transit/Transportation Authorities
- Utilities
- Cy pres, non-profits, and corporate philanthropy
- Carbon/pollution offsets and credits (?)



# MPO LOCATOR



**RITA**

Research and Innovative Technology Administration  
Bureau of Transportation Statistics

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## Metropolitan Planning Organizations

Metropolitan Planning Organizations are responsible for planning, programming and coordination of federal highway and transit investments in urbanized areas.

### Alabama

- [Birmingham RPC - Birmingham \(AL\)](#)
- [Dothan MPO - Dothan \(AL\)](#)
- [East Alabama Regional Planning and Development Commission - Anniston \(AL\)](#)
- [Gadsden-Etowah MPO - Gadsden \(AL\)](#)
- [Huntsville MPO - Huntsville \(AL\)](#)
- [Lee-Russell COG - Opelika \(AL\)](#)
- [Montgomery Division of PPT - Montgomery \(AL\)](#)
- [North-Central Alabama Regional COG - Decatur \(AL\)](#)
- [Northwest Alabama COLG - Muscle Shoals \(AL\)](#)
- [South Alabama RPC - Mobile \(AL\)](#)
- [West Alabama PDC - Northport \(AL\)](#)

### Alaska

- [Anchorage MATS - Anchorage \(AK\)](#)

### Arizona

- [Flagstaff MPO - Flagstaff \(AZ\)](#)
- [Maricopa AOG - Phoenix \(AZ\)](#)
- [Pima AOG - Tucson \(AZ\)](#)
- [Yuma MPO - Yuma \(AZ\)](#)

### Arkansas

- [Arkthoma RPC - Fort Smith \(AR\)](#)
- [Metroplan - Little Rock \(AR\)](#)
- [Northwest Arkansas RPC - Springdale \(AR\)](#)
- [Southeast Arkansas RPC - Pine Bluff \(AR\)](#)
- [West Memphis MPO - West Memphis \(AR\)](#)

### California

- [AMBAG - Marina \(CA\)](#)
- [Butte County Association of Governments - Chico \(CA\)](#)
- [Council of Fresno County Governments - Fresno \(CA\)](#)
- [Kern COG - Bakersfield \(CA\)](#)
- [Merced County Association of Governments - Merced \(CA\)](#)





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# LOCAL CLEAN CITIES COALITIONS



[http://www.afdc.energy.gov/cleancities/coalitions/coalition\\_locations.php](http://www.afdc.energy.gov/cleancities/coalitions/coalition_locations.php)



## MISCELLANEOUS/NON-TRADITIONAL

- **Cy pres legal settlement funds**  
(Petroleum spills, emissions, environmental damage, etc.)
- **Carbon/pollution offsets (?)**  
(TerraPass, Carbonfund.org, etc.)
- **Corporate philanthropy**  
(Google RechargeIT, AAA Greenlight Initiative, etc.)
- **Public Charities**  
(example: The Rose Foundation, Northern California)



## MISCELLANEOUS/NON-TRADITIONAL

### **Cy pres legal settlement funds**

- Meaning "As near as possible"
- Sources: legal settlements or trusts
- Funding limited to a specific issue
- Project criteria may be less specific
- No routine notification process





## MISCELLANEOUS/NON-TRADITIONAL

### Carbon/pollution offsets

- Entities pay to offset carbon or pollution
- Payments then used to fund green projects
- Funding typically limited to specific issues
- Projects not directly fleet related (yet....)
  - TerraPass <http://www.terrapass.com/>
  - Carbonfund.org <http://www.carbonfund.org/>

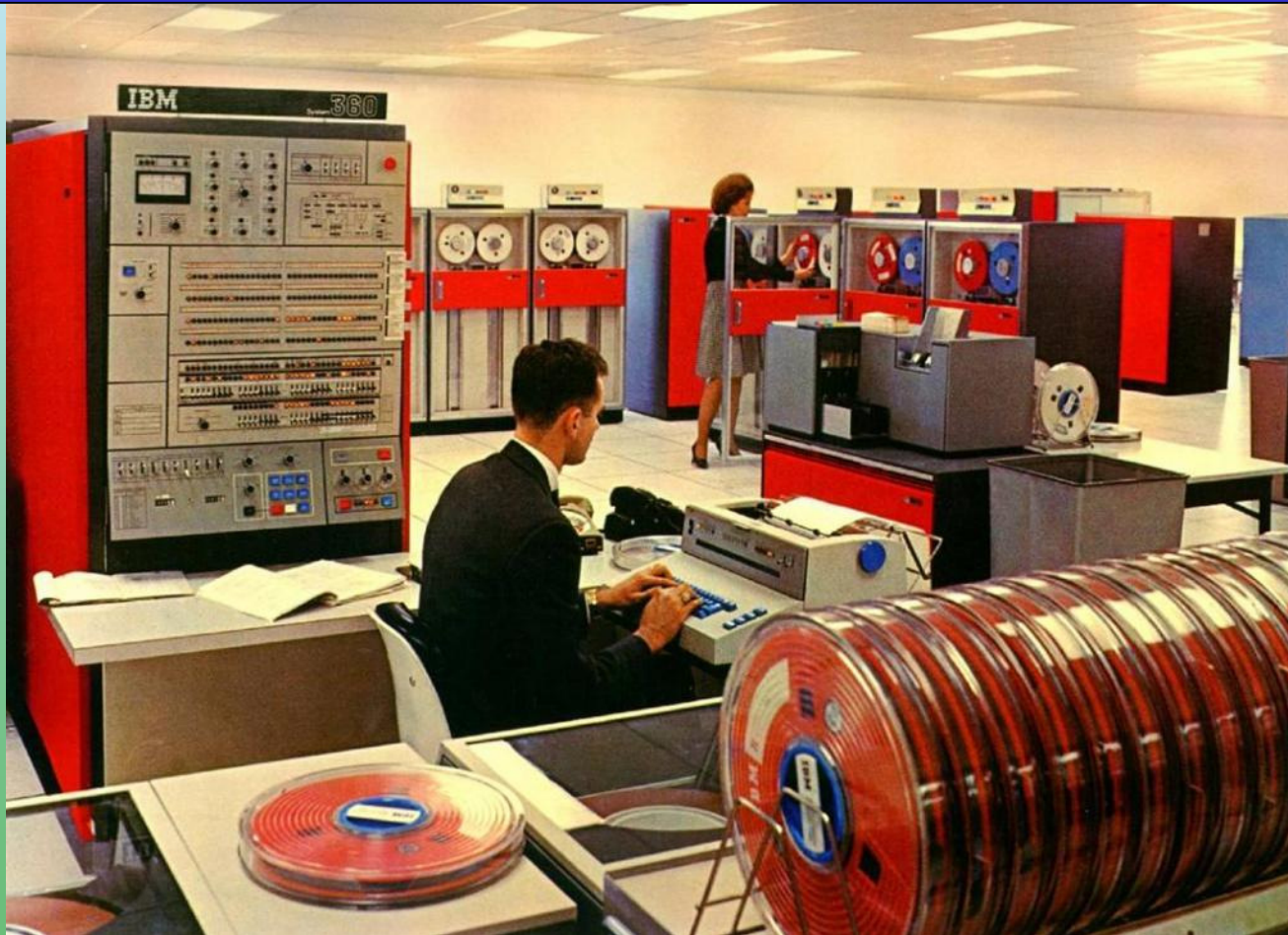




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# INFORMATION RESOURCES





## INFORMATION RESOURCES

- **Local Clean Cities Coalition (!)**
- Websites (Clean Cities, AFDC, grants.gov)
- List serves, newsletters, and e-bulletins
- Industry/trade organizations (NGVA, NBB)
- Vendors
- Fuel providers
- Peers



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# LOCAL CLEAN CITIES COALITION



[Grants.gov](http://Grants.gov)



[Recovery.gov](http://Recovery.gov)



[\*\*Department of Energy \(DOE\)\*\*](http://Department of Energy (DOE))



[\*\*Environmental Protection Agency \(EPA\)\*\*](http://Environmental Protection Agency (EPA))



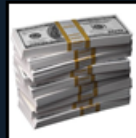
[\*\*Department of Transportation \(DOT\)\*\*](http://Department of Transportation (DOT))



[\*\*Department of Agriculture \(USDA\)\*\*](http://Department of Agriculture (USDA))

## FEDERAL CLEAN AIR VEHICLE FUNDING SOURCES

The East Bay Clean Cities Coalition provides the latest information on funding for alternative fuel vehicles (AFV) and related clean air projects.



Search for funding opportunities for alternative fuel vehicle (AFV) and other related clean air vehicle and transportation projects using the links provided. You may also search for related laws and regulations using the the Laws and Incentives link. You may wish to bookmark this page or add it to your "favorites" to make it easier for you to check back often for the latest updates. This page is updated regularly as we become aware of the latest funding opportunities. While you are here, please subscribe to our East Bay Clean Cities electronic newsletter to remain up to date on all the latest funding opportunities and consider subscribing to the various funding advisories and DOE national Clean Cities newsletters using the convenient links provided below:

## STAY UP TO DATE ON THE LATEST AFV NEWS

You may subscribe to various funding advisories and DOE national/local East Bay Clean Cities newsletters using the links provided below:

- ♦ [FREE- Subscribe to East Bay Clean Cities e-bulletins](#)
- ♦ [FREE- Subscribe to DOE Clean Cities Now newsletter](#)
- ♦ [FREE- Subscribe to monthly "Solicitations" email advisory bulletin](#)  
(to subscribe send blank email using link above)
- ♦ [FREE- Subscribe to US EPA funding email notifications](#)
- ♦ [FREE- Subscribe to CA Energy Commission ARRA list serve](#)
- ♦ [FREE- Subscribe to CA Energy Commission solicitations list serve](#)
- ♦ [FREE- Subscribe to CA Air Resources Board list serves](#)



[www.cleancitieseastbay.org/federal.html](http://www.cleancitieseastbay.org/federal.html)





# LOCAL CLEAN CITIES COALITION



## [CA Energy Commission](#)



## [Air Resources Board](#)



## [CalRecycle](#)



## [EPA Region 9](#)



## [Federal Funding](#)



## [Local Funding](#)

## STATE CLEAN AIR VEHICLE FUNDING SOURCES

The East Bay Clean Cities Coalition is your single source provider for the best information on clean air vehicle and associated clean air and petroleum displacement funding opportunities. We are pleased to provide the latest information on funding for alternative fuel vehicles (AFV) and related clean air projects listed below. You may wish to bookmark this page or add it to your "favorites" to make it easier for you to check back often for the latest updates. This page is updated regularly as we become aware of the latest funding opportunities.



The [California Energy Commission \(CEC\)](#) provides numerous alternative fuel vehicle and clean air funding sources through the [State Energy Program \(SEP\)](#), the [Energy Efficiency and Conservation Block Grant \(EECBG\) Program](#), the [Public Interest Energy Research \(PIER\) Program](#), and other transportation related funding opportunities. The [2010-2011 Investment Plan](#) for CEC's [Alternative and Renewable Fuel and Vehicle Technology Program](#) is specifically authorized by [Assembly Bill 118](#). A list of all current California Energy Commission funding solicitations is found here [current CA Energy Commission Funding Opportunities](#).



The [California Air Resources Board \(CARB\)](#) provides numerous alternative fuel and clean air vehicle related funding opportunities including a [hybrid truck and bus voucher incentive project](#) and a [zero emission and plug-in hybrid light duty vehicle rebate project](#) under the [Air Quality Improvement Program](#). CARB also administers the [Enhanced Fleet Modernization Program](#). Both of these funding opportunities are authorized by [Assembly Bill 118](#). A listing of all current California Air Resources Board funding



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# LOCAL CLEAN CITIES COALITION



[Bay Area AQMD](#)



[Yolo/Solano AQMD](#)



[EPA Region 9](#)



[Metropolitan Transportation Commission](#)



[Federal Funding](#)



[State Funding](#)

## LOCAL CLEAN AIR VEHICLE FUNDING SOURCES

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### [The Bay Area Air Quality Management District \(BAAQMD\)](#)

is the public agency entrusted with regulating stationary sources of air pollution in the nine counties that surround San Francisco Bay: Alameda, Contra Costa, Marin, Napa, San Francisco, San Mateo, Santa Clara, southwestern Solano, and southern Sonoma counties. BAAQMD represents the majority of the geographical region covered by the East Bay Clean Cities Coalition. BAAQMD also sponsors numerous clean air vehicle and related funding programs including:

- [Carl Moyer Program](#)
- [Climate Protection Grant Program](#)
- [Greenhouse Gas Reduction Grant Program](#)
- [Heavy Duty Engine Projects](#)
- [Lower Emissions School Bus Program](#)
- [Goods Movement Program](#)
- [Transportation Fund for Clean Air Vehicles \(TFCA\)](#)
- [Vehicle Buy Back Program](#)



[www.cleancitieseastbay.org/local.html](http://www.cleancitieseastbay.org/local.html)



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## Clean Cities

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Current Opportunities

Related Opportunities

Funded Projects

### Financial Opportunities

Securing funding is critical to the success of efforts to reduce petroleum use in transportation. Financial opportunities for Clean Cities projects are available from many sources inside and outside the U.S. Department of Energy (DOE).

When applying for funding, [contact your Clean Cities coordinator](#) for help navigating the process successfully.

#### Current Financial Opportunities ▶

Find current transportation-related financial opportunities, including Clean Cities Funding Opportunity Announcements issued by DOE, when available.

#### Related Financial Opportunities ▶

Learn about related financial opportunities to pursue through organizations and federal agencies outside Clean Cities.

#### Funded Clean Cities Projects ▶

Clean Cities has awarded more than \$300 million to fund hundreds of projects across the country that reduce petroleum use in transportation.

#### Funding Terms

The U.S. Department of Energy publicizes available funding through competitive *funding opportunity announcements* (FOAs), similar to *requests for proposals* (RFPs) or *solicitations*.

#### Incentives and Laws

Clean Cities' Alternative Fuels and Advanced Vehicles Data Center maintains a comprehensive database of [Federal and State Incentives and Laws](#) related to alternative fuels and vehicles, air quality, fuel efficiency, and other transportation-related topics.



[http://www1.eere.energy.gov/cleancities/financial\\_opps.html](http://www1.eere.energy.gov/cleancities/financial_opps.html)





# NATIONAL CLEAN CITIES (DOE)

## Clean Cities

Clean Cities

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Current Opportunities

**Related Opportunities**

Funded Projects

### Related Financial Opportunities

Transportation-related financial opportunities from organizations and federal agencies outside Clean Cities are listed below. Some of the government agencies listed have ongoing funding available; others issue funding notices periodically or assist in forming partnerships that can provide funding opportunities for transportation-related projects.

#### Congestion Mitigation and Air Quality Improvement

The [Congestion Mitigation and Air Quality Improvement](#) (CMAQ) program, administered by the Federal Highway Administration and the Federal Transit Administration, funds projects and programs that reduce transportation-related emissions and relieve traffic congestion. Funds are distributed locally through [metropolitan planning organizations](#).

#### Environmental Protection Agency

The U.S. Environmental Protection Agency (EPA) offers transportation-related financial opportunities through several avenues:

- [National Clean Diesel Campaign](#): EPA provides funding for idle reduction, cleaner fuels, vehicle replacements, and other strategies that reduce human exposure to diesel exhaust.
- [Grants and Fellowship Information](#): EPA provides links to grant programs and information about applying for EPA grants.
- [EPA Regions](#): EPA regional offices can issue funding for projects in their respective geographic areas, which is the case for programs such as Clean School Bus USA.
- [Environmental Education Grants Program](#): EPA's Office of Environmental Education supports projects that enhance public awareness, knowledge, and skills to help citizens make informed decisions that affect environmental quality.

#### Grants.gov

Grants.gov is an information hub for more than 1,000 grant programs of 26 federal government agencies. Grants.gov allows organizations to search and apply for competitive grant opportunities online. [Search for grant opportunities](#) on Grants.gov.

#### State Energy Offices

State energy offices research, demonstrate, and deploy renewable energy and energy-efficient technologies; spur energy-related economic development; and promote energy security and emergency preparedness. These offices can help you locate project funding. [Find your state energy office](#) from the National Association of State Energy Officials website.

#### Additional Funding Leads

Explore additional funding opportunities from federal government agencies:



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# ALTERNATIVE FUELS DATA CENTER

**Alternative Fuels Data Center**

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**Federal and State Laws and Incentives**  
Find federal and state laws and incentives for alternative fuels and vehicles, air quality, fuel efficiency, and other transportation-related topics.

[Federal Incentives and Laws](#) [State Incentives and Laws](#)

**Search All Laws and Incentives ▸**  
Use an advanced search to find a specific federal or state law or incentive.

**View Tables of Laws and Incentives ▸**  
View laws and incentives sorted by [technology/fuel](#), [incentive](#), [regulation](#), or [user](#).

**Read Key Legislation ▸**  
Read selected legislation summaries about alternative transportation technologies.

**Find Local Laws and Incentives ▸**  
Find examples of laws and incentives from local governments.

**Maps & Data**  
**Incentive and Law Additions by Fuel/Technology Type**

[More Laws & Incentives Data](#) | [All Maps & Data](#)

**+ Case Studies**  
**+ Publications**  
**+ Tools**



<http://www.afdc.energy.gov/laws/>



# AFDC FEDERAL

Federal

State

Advanced Search

All Laws & Incentives  
Sorted by Type

## Federal Incentives and Laws

Listed below are federal incentives, laws and regulations, funding opportunities, and other federal initiatives related to alternative fuels and vehicles, advanced technologies, or air quality. Additional incentives may also be available through Clean Cities [Financial Opportunities](#). For more information, see the [points of contact](#) section or refer to:

- [Key Federal Legislation Summaries](#)
- [Recent Federal Actions](#)

## Incentives, Laws, and Programs

VIEW ALL

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The information in this list is updated after legislation is enacted.

Sort by: ☒ Category ☐ Agency

### Incentives

- [Advanced Biofuel Feedstock Incentives](#)
- [Advanced Biofuel Production Grants and Loan Guarantees](#)
- [Advanced Biofuel Production Payments](#)
- [Advanced Energy Research Project Grants](#)
- [Advanced Technology Vehicle \(ATV\) Manufacturing Incentives](#)
- [Alternative Fuel Tax Exemption](#)
- [Biobased Transportation Research Funding](#)
- [Biodiesel Education Grants](#)
- [Biomass Research and Development Initiative](#)
- [Cellulosic Biofuel Producer Tax Credit](#)
- [Ethanol Infrastructure Grants and Loan Guarantees](#)
- [Fuel Cell Motor Vehicle Tax Credit](#)
- [Hydrogen Fuel Excise Tax Credit](#)
- [Hydrogen Fuel Infrastructure Tax Credit](#)
- [Hydrogen Fuel Mixture Excise Tax Credit](#)
- [Idle Reduction Equipment Excise Tax Exemption](#)
- [Improved Energy Technology Loans](#)
- [Qualified Plug-In Electric Drive Motor Vehicle Tax Credit](#)
- [Value-Added Producer Grants \(VAPG\)](#)



# AFDC STATE RESOURCE DIRECTORY

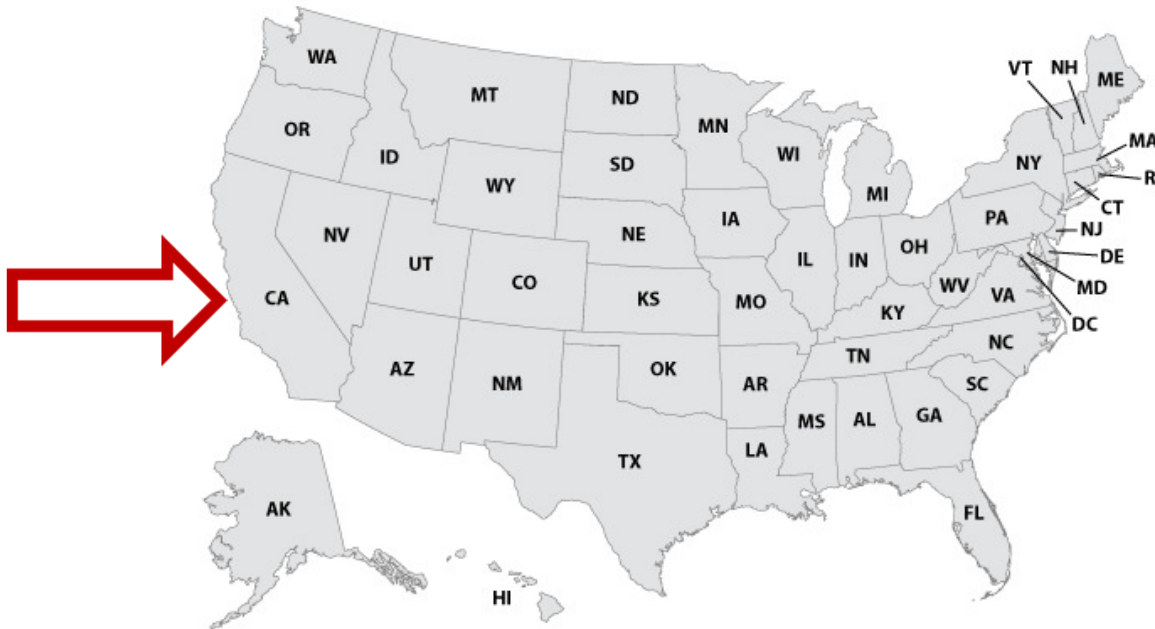
## State Incentives and Laws

To view a state's incentives and laws related to alternative fuels and advanced vehicles, select a state from the map or menu below. For examples of incentives and laws developed on a local level and that apply to cities and counties instead of an entire state, learn about [local incentives and laws](#).

Select a State

GO

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# AFDC STATE RESOURCE DIRECTORY

## California Incentives and Laws

Listed below are incentives, laws, and regulations related to alternative fuels and advanced vehicles for California. Your Clean Cities coordinator at your [local coalition](#) can provide you with information about grants and other opportunities. You can also access coordinator and other agency contact information in the [points of contact](#) section.

### Incentives and Laws

[View All](#)[Advanced Search](#)

Information in this list is updated annually after California's [legislative session](#) ends.  
*Last Updated May 2011*

### State Incentives

- [Hybrid Electric Vehicle Purchase Vouchers](#)
- [Plug-In Hybrid and Zero Emission Light-Duty Vehicle Rebates](#)
- [Alternative Fuel and Vehicle Research and Development Incentives](#)
- [High Occupancy Vehicle \(HOV\) Lane Exemption](#)
- [Alternative Fuel Vehicle \(AFV\) and Fueling Infrastructure Grants](#)
- [Emissions Reductions Grants](#)
- [Heavy-Duty Vehicle Emissions Reduction Grants](#)
- [Natural Gas Vehicle \(NGV\) Home Fueling Infrastructure Incentive - South Coast](#)
- [Low Emissions School Bus Grants](#)
- [Alternative Fuel and Advanced Technology Research and Development](#)
- [Advanced Transportation Financing](#)
- [Compressed Natural Gas \(CNG\) Tax Exemption for Transit Use](#)
- [Vehicle Emissions Reduction Grants - Sacramento](#)
- [Employer Invested Emissions Reduction Funding - South Coast](#)
- [Technology Advancement Funding - South Coast](#)
- [Low Emission Vehicle Incentives and Technical Training - San Joaquin Valley](#)
- [Air Quality Improvement Program Funding - Ventura County](#)

### Utility/Private Incentives

- [Electric Vehicle Supply Equipment \(EVSE\) Incentive - Coulomb Technologies](#)
- [Electric Vehicle Supply Equipment \(EVSE\) Rebate - LADWP](#)
- [Electric Vehicle Supply Equipment \(EVSE\) Incentive - ECotality](#)
- [Alternative Fuel Vehicle \(AFV\) and Hybrid Electric Vehicle \(AFV\) Insurance Discount](#)
- [Electric Vehicle \(EV\) Charging Rate Credit - SMUD](#)
- [Electric Vehicle \(EV\) Charging Rate Reduction - LADWP](#)
- [Electric Vehicle \(EV\) Charging Rate Reduction - SCE](#)
- [Clean Vehicle Electricity and Natural Gas Rate Reduction - PG&E](#)
- [Electric Vehicle \(EV\) and Natural Gas Infrastructure Charging Rate Reduction - SDG&E](#)
- [Natural Gas Rate Reduction - SoCalGas](#)
- [Biofuel Volume Rebate Program - Propel Fuels](#)



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# AFDC LOCAL LAWS AND INCENTIVES

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[All Laws & Incentives](#)  
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## Local Incentives and Laws

There are a variety of local incentives and laws that support reducing U.S. petroleum consumption by encouraging or requiring individuals and/or public and private organizations to use alternative fuels, advanced vehicles, and strategies to decrease fuel use or increase fuel economy. Local city and county governments create such incentives and laws to ensure people use vehicles and transportation fuels safely and efficiently.

The featured incentives and laws below are a small sampling of existing incentives and laws that local governments have created. For specific incentives and laws in your area, contact your local government.

### Incentives

- [Vehicle Purchase & Infrastructure Development Incentives](#)
- [Fuel Use Incentives](#)
- [Parking Incentives](#)
- [Technical Assistance](#)

### Laws and Regulations

- [Vehicle Acquisition Requirements](#)
- [Promotion Initiatives](#)
- [Idle Reduction Requirements](#)
- [Renewable Fuels Mandates & Standards](#)
- [Infrastructure Requirements](#)



<http://www.afdc.energy.gov/laws/local#1>





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# AFDC ALL LAWS AND INCENTIVES

## Alternative Fuels Data Center

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Incentive

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User

## All Laws and Incentives Sorted by Type

The tables below summarize the number of clean transportation laws, regulations, and funding opportunities in a particular jurisdiction. By selecting the tabs above the table, you can view summary information by technology/fuel, incentive, regulation, or user type.

Jurisdiction	Technology/Fuel		Incentive		Regulation		User		Aftermarket Conversions	Fuel Economy or Efficiency	Idle Reduction	Other
	Biodiesel	Ethanol	Natural Gas	Propane (LPG)	Hydrogen Fuel Cells	EVs	HEVs or PHEVs	NEVs				
<a href="#">Federal</a>	<a href="#">29</a>	<a href="#">26</a>	<a href="#">22</a>	<a href="#">21</a>	<a href="#">24</a>	<a href="#">19</a>	<a href="#">8</a>	<a href="#">2</a>	<a href="#">5</a>	<a href="#">13</a>	<a href="#">7</a>	<a href="#">5</a>
<a href="#">Alabama</a>	<a href="#">4</a>	<a href="#">3</a>	<a href="#">3</a>	<a href="#">3</a>	<a href="#">2</a>	<a href="#">3</a>	<a href="#">1</a>	<a href="#">0</a>	<a href="#">0</a>	<a href="#">1</a>	<a href="#">2</a>	<a href="#">0</a>
<a href="#">Alaska</a>	<a href="#">2</a>	<a href="#">2</a>	<a href="#">3</a>	<a href="#">2</a>	<a href="#">1</a>	<a href="#">1</a>	<a href="#">0</a>	<a href="#">1</a>	<a href="#">1</a>	<a href="#">1</a>	<a href="#">0</a>	<a href="#">0</a>
<a href="#">Arizona</a>	<a href="#">7</a>	<a href="#">6</a>	<a href="#">14</a>	<a href="#">14</a>	<a href="#">11</a>	<a href="#">16</a>	<a href="#">7</a>	<a href="#">1</a>	<a href="#">0</a>	<a href="#">0</a>	<a href="#">2</a>	<a href="#">2</a>
<a href="#">Arkansas</a>	<a href="#">5</a>	<a href="#">4</a>	<a href="#">8</a>	<a href="#">4</a>	<a href="#">2</a>	<a href="#">2</a>	<a href="#">0</a>	<a href="#">0</a>	<a href="#">2</a>	<a href="#">1</a>	<a href="#">2</a>	<a href="#">0</a>
<a href="#">California</a>	<a href="#">15</a>	<a href="#">12</a>	<a href="#">25</a>	<a href="#">17</a>	<a href="#">25</a>	<a href="#">37</a>	<a href="#">29</a>	<a href="#">3</a>	<a href="#">7</a>	<a href="#">5</a>	<a href="#">4</a>	<a href="#">8</a>
<a href="#">Colorado</a>	<a href="#">7</a>	<a href="#">8</a>	<a href="#">10</a>	<a href="#">7</a>	<a href="#">6</a>	<a href="#">6</a>	<a href="#">4</a>	<a href="#">1</a>	<a href="#">3</a>	<a href="#">0</a>	<a href="#">1</a>	<a href="#">0</a>
<a href="#">Connecticut</a>	<a href="#">5</a>	<a href="#">4</a>	<a href="#">7</a>	<a href="#">4</a>	<a href="#">6</a>	<a href="#">5</a>	<a href="#">4</a>	<a href="#">0</a>	<a href="#">3</a>	<a href="#">2</a>	<a href="#">3</a>	<a href="#">3</a>
<a href="#">Delaware</a>	<a href="#">3</a>	<a href="#">3</a>	<a href="#">3</a>	<a href="#">5</a>	<a href="#">2</a>	<a href="#">3</a>	<a href="#">2</a>	<a href="#">1</a>	<a href="#">0</a>	<a href="#">2</a>	<a href="#">3</a>	<a href="#">0</a>
<a href="#">Dist. of Columbia</a>	<a href="#">1</a>	<a href="#">2</a>	<a href="#">4</a>	<a href="#">3</a>	<a href="#">3</a>	<a href="#">4</a>	<a href="#">2</a>	<a href="#">0</a>	<a href="#">0</a>	<a href="#">2</a>	<a href="#">1</a>	<a href="#">1</a>
<a href="#">Florida</a>	<a href="#">9</a>	<a href="#">10</a>	<a href="#">4</a>	<a href="#">3</a>	<a href="#">4</a>	<a href="#">9</a>	<a href="#">5</a>	<a href="#">1</a>	<a href="#">0</a>	<a href="#">1</a>	<a href="#">1</a>	<a href="#">1</a>



<http://www.afdc.energy.gov/laws/matrix/tech>



# AFDC PROJECT ASSISTANCE

## Alternative Fuels Data Center

Alternative Fuels Data Center

 **SEARCH**

Search Help ▾

FUELS &  
VEHICLES

CONSERVE  
FUEL

LOCATE  
STATIONS

LAWS &  
INCENTIVES

Maps & Data

Case Studies

Publications

Tools

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[Share](#)

Project Assistance

News & Features

Spanish Resources

Contacts

## Project Assistance

Through a nationwide network of local coalitions, [Clean Cities](#) provides project assistance to help stakeholders in the public and private sectors deploy alternative and renewable fuels, idle-reduction measures, fuel economy improvements, and emerging transportation technologies.

Projects undertaken by Clean Cities coalitions and stakeholders result in significant environmental, economic, and energy security benefits. For examples of project successes, explore alternative transportation [case studies](#).

Clean Cities is the deployment arm of the U.S. Department of Energy's (DOE) Vehicle Technologies Program.

## Connect With a Coalition

Contact a Clean Cities [coalition coordinator](#) in your area or a DOE [regional manager](#) for assistance with your projects to deploy alternative fuels and advanced vehicles.

- **Networking Opportunities:** Clean Cities [coalitions](#) help stakeholders network to learn from one another's experiences and identify potential project partners. Stakeholders include businesses, fuel providers, utilities, vehicle fleets, state and local government agencies, industry partners, and community organizations.
- **Technical Assistance:** Clean Cities offers [technical assistance](#) and individual consultation to help stakeholders overcome obstacles to deploying alternative fuels and advanced vehicles. Many coalitions offer training and workshops to educate stakeholders about the latest technologies and practices.
- **Project Funding:** Clean Cities coalitions can help identify funding to support transportation projects. Learn about Clean Cities [financial opportunities](#).

## Find My Local Coalition





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# GRANTS.GOV



GRANTS.GOV<sup>SM</sup>

Search Contact Us Site Map



**CCR / SAM migration:**  
Learn more on the [Grants.gov Blog](#)

#### FOR APPLICANTS

[Applicant Login](#)  
[Find Grant Opportunities](#)  
[Get Registered](#)  
[Apply for Grants](#)  
[Track My Application](#)  
[Applicant Resources](#)  
[Search, FAQs, Userguides and site information](#)

#### APPLICANT SYSTEM-TO-SYSTEM

#### FOR GRANTORS

#### ABOUT GRANTS.GOV

#### HELP

#### CONTACT US

#### SITE MAP

## Find. Apply. Succeed.

Grants.gov is your source to FIND and APPLY for federal grants. The U.S. Department of Health and Human Services is proud to be the managing partner for Grants.gov, an initiative that is having an unparalleled impact on the grant community. [Learn more](#) about Grants.gov and determine if you are eligible for grant opportunities offered on this site.

Grants.gov does not provide personal financial assistance. To learn where you may find personal help, check [Government Benefits](#), [Student Loans](#) and [Small Business Start-up Loans](#).

### What's New at Grants.gov

Learn about SAM, and how the CCR to SAM migration affects Grants.gov applicants.

#### New Opportunities This Week

Verify if your Adobe Reader Version is Compatible with Grants.gov

Grants.gov Webcast on Grant Fraud is now available online

OMB Memoranda for the Use of Grants.gov by the Federal Agencies

FSRS Role-Based Training Webinar for FFATA Sub-Award Reporting

Review the Security Build Updates and Their Impact on You



<http://www.grants.gov/>



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## MORE INFORMATION RESOURCES

### SUBSCRIBE

–**“Clean Cities Now” & local coalition newsletters (free)**

<http://www.afdc.energy.gov/cleancities/ccn/>

–**“National Idling Reduction Network News” monthly (free)**

Email “subscribe” to: [tlevinson@anl.gov](mailto:tlevinson@anl.gov)

–**“Fleets & Fuels” bi-weekly e-newsletter (\$397/yr)**

<http://www.fleetsandfuels.com/>







# IDLING REDUCTION NETWORK NEWS

## National Idling Reduction Network News

July 2012

### SOLICITATIONS FOR FUNDING AND AWARDS

[Brown text indicates a new entry, or updated information, since last month.]

ORGANIZATION	PROJECT	FUNDING	DEADLINE	WEBSITE
Bay Area Air Quality Management District (BAAQMD)	Carl Moyer Memorial Air Quality Standards Attainment Program	\$14 million	First come, first served.	<a href="http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8">http://www.baaqmd.gov/?sc_itemid=08F9594F-BF34-4A2A-BD38-9A3D0CCFF8F8</a>
Cascade Sierra Solutions	Shorepower Truck Electrification Project (STEP) Rebate Program	Rebates for battery HVAC systems are the only remaining	<b>First come, first served.</b>	<a href="https://csswebform.org/WebForm/TSE_home.aspx">https://csswebform.org/WebForm/TSE_home.aspx</a>
North Carolina Department of Environment and Natural Resources	2011 Idle Reduction Devices Rebate Program	<b>\$50,000 (as of July 10, 2012)</b>	First come, first served, <b>but no later than September 30, 2012.</b>	<a href="http://daq.state.nc.us/motor/Rebates/">http://daq.state.nc.us/motor/Rebates/</a>
California Air Resources Board (CARB)	On-Road Heavy-Duty Vehicle Loan Program	~\$48 million for loan guarantees	Rolling deadline until funds are awarded.	<a href="http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf">http://www.arb.ca.gov/ba/loan/on-road/documents/hdvloanprogram.pdf</a>
Minnesota Pollution Control Agency	Small Business Auxiliary Power Unit (APU) Loan Program	\$110,000	Rolling deadline until funds are awarded.	<a href="http://www.pca.state.mn.us/index.php/topic/s/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html">http://www.pca.state.mn.us/index.php/topic/s/small-business-environmental-assistance-program/small-business-ombudsman/small-business-auxiliary-power-unit-apu-loan-program.html</a>
Metropolitan Washington Council of Governments (COG), in collaboration with the District Department of the Environment, the District Department of Transportation, and the Maryland Department of the Environment	Driver Recognition Program—Diesel Idle Reduction Campaign	N/A	Rolling deadline—the 15th of every month.	<a href="http://www.turnyourengineoff.org/campaign_recognition.html">http://www.turnyourengineoff.org/campaign_recognition.html</a>



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# STRATEGIES





## PREPARE

- Identify needed funding, equipment, vehicles
- Draft equipment specifications
- Obtain cost estimates
- Calculate and quantify emission reductions
- Consult previous successful grantees
- Obtain DUNS Number (<http://fedgov.dnb.com/webform>)
- Register with SAM (<https://www.sam.gov/portal/public/SAM>)
- **Clean Cities (!)**

**START NOW!!!**



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**NEW! NEW! NEW!**

**For federal grants:**

**Central Contractor Registration (CCR)  
is now the  
"System for Award Management" (SAM)**





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# NEW! NEW! NEW!



USERNAME

PASSWORD

LOG IN

[Forgot Username?](#)

[Forgot Password?](#)

[Create an Account](#)

HOME

SEARCH

HELP

EXTRACTS

GENERAL INFORMATION

#### WHAT IS SAM?

The **System for Award Management (SAM)** is a free web site that consolidates the capabilities you used to find in CCR/FedReg, ORCA, and EPLS. Future phases of SAM will add the capabilities of other systems used in Federal procurement and awards processes.

#### REGISTER WITH SAM

**Why Register?** Registering with SAM will allow you to access the full functionality of the system.

**What will you need?** You only need your personal information to create an account on SAM.

[Create an Account](#)

#### SEARCH SAM



Even if you do not wish to register at this time, you can still Search SAM.

Please enter your search criteria above to view registered vendors.

#### NEWS AND ANNOUNCEMENTS

Can I use my CCR username in SAM?  
Do I need to create an account? Click [HERE](#) to find answers to these and other top questions.

#### USER GUIDES AND HELPFUL HINTS

Additional information, such as a full User Guide, Quick Start Guides, Helpful Hints, and Webinars are available on the Help tab.

##### Service Desk

URL: <http://www.FSD.gov>

#### FORMER CCR REGISTRANTS

If you had an active record in CCR, you have an active record in SAM. You do not need to do anything in SAM at this time, unless a change in your business circumstances requires a change in SAM in order for you to be paid or to receive an award. SAM will send notifications to the registered user via email 60, 30, and 15 days prior to expiration of the record. You can search for registered entities in SAM by typing the DUNS number or business name into the search box.



## <https://www.sam.gov/portal/public/SAM>



# EXISTING CCR REGISTRANTS

## FORMER CCR REGISTRANTS

If you had an active record in CCR, you have an active record in SAM. You do not need to do anything in SAM at this time, unless a change in your business circumstances requires a change in SAM in order for you to be paid or to receive an award. SAM will send notifications to the registered user via email 60, 30, and 15 days prior to expiration of the record. You can search for registered entities in SAM by typing the DUNS number or business name into the search box.



# NOTIFICATION UPON EXPIRATION



## System for Award Management: Announcement

### Additional information about SAM transition

Please note that **CCR and ORCA registrations** that were set to expire between July 15 and October 15 have been extended 90 days, so there is no action needed at this time. If you have a registration in CCR/FedReg or have completed representations and certifications in ORCA, all your information is being moved to SAM. When it is time to renew, SAM will notify you by email (60, 30, and 15 days prior to the date when your record is set to expire) and tell you how to proceed. If you need to update your record before your expiration date, the quick start guides and webinars in the Help tab of SAM.gov will walk you through the process.

**Government staff members** who use SAM from a government IP address will automatically have access to SAM For Official Use Only (FOUO)-level data (equivalent to Proprietary in CCR) without having to register for a SAM account. If you were a CCR Tools user who had Sensitive-level access, you will have the opportunity to migrate those permissions to SAM when you go through the process of creating a SAM account.

SAM.gov contains quick start guides, webinars, a User Guide and other materials that provide all the information you need to get started using SAM. For other questions, beginning Monday, July 30, the help desk for SAM will be the Federal Service Desk (FSD). You can reach them at [FSD.gov](http://FSD.gov).





# CONVERT CCR TO SAM



## Quick Start Guide for Migrating Roles



### You can migrate your legacy system roles to SAM



#### What is an Entity?

In SAM, your company/business/organization is now referred to as an "Entity."

- All of your entity's data in the legacy systems (CCR, ORCA, EPLS, FedReg) will be migrated to SAM. You can migrate your individual roles upon logging into your SAM account.



#### Your Roles Will Migrate to SAM

You will have the same access to your data in SAM that you had in the legacy systems.

- You will need to create a new username and password.
- This new SAM username and password will work for all of your migrated roles.



#### Migrating Roles from Phase One Systems

You can migrate roles from CCR, EPLS and FedReg but not ORCA.

- The Reps and Certs data for your entity will be migrated to SAM.
- SAM has combined the CCR and ORCA functionality. When you migrate your CCR account, you will be given access to your organization's Reps & Certs.
- If you have multiple accounts in one legacy system, you may find that you won't need all those accounts to do the same business in SAM. You can migrate the roles connected to those accounts into your single SAM user account.



#### Access to Your Legacy Email Accounts

To migrate your legacy account (CCR, FedReg, or EPLS), you need the email address used for your legacy account.

- SAM uses your legacy email address to validate who you are.



#### Steps for Migrating Your Roles

1. Go to [www.sam.gov](http://www.sam.gov)
2. Create an Individual Account and Login
3. To begin the migration process click either:
  - ✓ "Yes" next to "Would you like to migrate a legacy system account?" on the "My SAM" welcome banner, or
  - ✓ "Migrate Legacy System Account" under "Manage My User Roles" on your "My SAM" page.
4. Select the legacy systems where you have accounts
5. SAM checks to see if your SAM account email address matches your legacy account email address.
  - ✓ If YES, your legacy roles will be automatically migrated to SAM.
  - ✓ If NO, SAM will send an email to your legacy account email address. Click the link in the email and log back in using your SAM username and password. Your roles will now be active.

How do I get more information? Take a look at the SAM User Guide.



Go to Our Website: [www.sam.gov](http://www.sam.gov)



Contact the SAM Help Desk: [www.fsd.gov](http://www.fsd.gov)





## RESEARCH FUNDING PROVIDER

- Attend grant workshops and meetings
- Make yourself known to funding provider
- Review previous successful proposals
- Review previous funding solicitations
- Identify solicitation areas that match your needs
- Tailor your proposal to match solicitation
- **Clean Cities (!)**



## PROPOSAL WRITING

- Keep it simple and easy to follow
- Follow solicitation sequence
- Include ALL requested data
- Stick to solicitation parameters
- Explore collaborations/look for synergies
- Emphasize unique qualities
- Seek third party input- **Clean Cities**



## BE PREPARED TO CALCULATE EMISSIONS

- <http://www.epa.gov/cleanenergy/energy-resources/calculator.html>
- <http://www.afdc.energy.gov/afdc/vehicles/emissions.html>
- <http://www.fueleconomy.gov/feg/findacar.htm>
- <http://www.epa.gov/otaq/stateresources/tools.htm>
- <http://www.arb.ca.gov/msprog/bus/manualcalc.htm>
- <http://www.arb.ca.gov/msprog/onrdiesel/compliancetool.htm>
- [http://www.arb.ca.gov/msei/onroad/latest\\_version.htm](http://www.arb.ca.gov/msei/onroad/latest_version.htm)
- <http://www.arb.ca.gov/msprog/onroad/cert/cert.php>
- [http://greet.es.anl.gov/carbon\\_footprint\\_calculator](http://greet.es.anl.gov/carbon_footprint_calculator)
- <http://greet.es.anl.gov/>



## 2009 AVAILABLE GRANT AWARDS

- \$300 million Department of Energy/ARRA
- \$156 million EPA/National Clean Diesel Funding
- \$30 million EPA/SmartWay Clean Diesel
- \$25.6 million EPA/Emerging Technologies Clean Diesel
- \$23.3 million CA Energy Commission AB118
- \$19 million CA Energy Commission AFV production
- \$20.4 million CA Air Resources Board HVIP vouchers
- \$4.1 million CA Air Resources Board AFVIP rebates
- \$7 million Reformulated Gasoline Settlement Fund
- \$20 million Bay Area AQMD TFCA program
- \$31 million MTC Innovative Grants (GHG reduction)





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# SUCCESS!





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# SUCCESS!





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# SUCCESS!

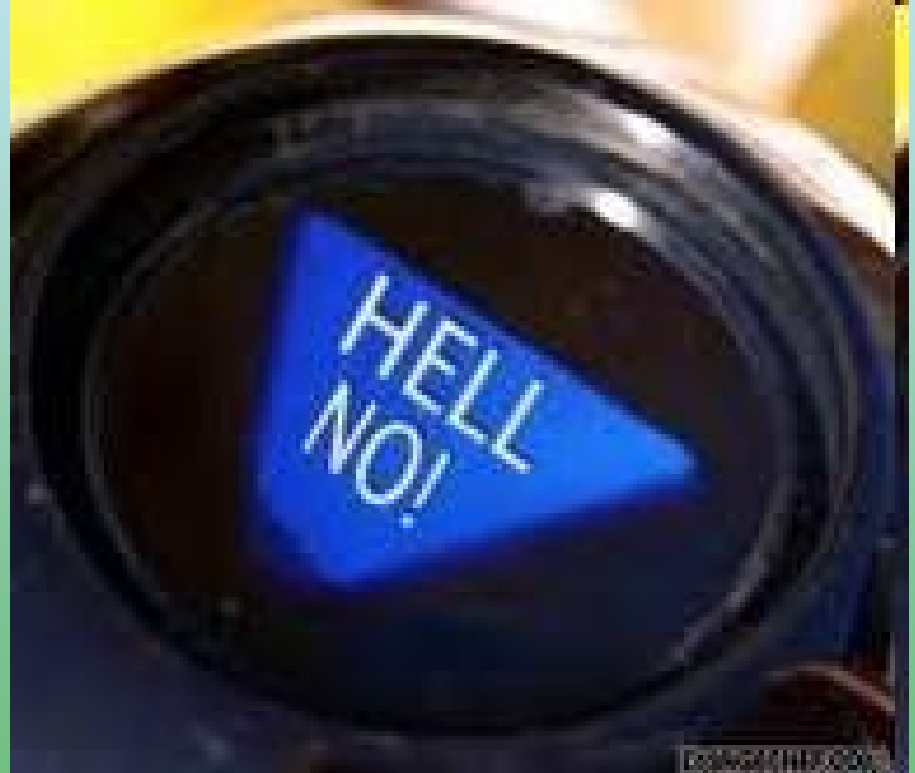




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## WHAT IF YOU ARE NOT SUCCESSFUL?







## FOLLOW-UP EVEN IF NOT SUCCESSFUL

- Send thank you to grant provider
- Ask for recommendations for improvement
- Review successful proposals
- Remain in contact with grant provider
- Consult successful applicants
- Seek third party input- **Clean Cities (!)**



## Vehicle Leasing

- **Common in private industry**
- **Fresh interest by public/municipal fleets**
- **No capital expenditure**
- **Programmable lifecycles**
- **Tax credits could be a factor**
- **Check with lease providers**



## Extra Credit!

### Don't Overlook Tax Credits/Rebates

- **PEV's- IRS Form 8834/8936/8910**
- **Infrastructure- IRS Form 8911?**
- **Alternative fuels?**
- **Changes frequently**

#### **Tips:**

- **Include as specific language in contract or specifications**
- **Discuss with potential bidders PRIOR to going out to bid**
- **Leasing companies may be able to pass savings on to you in lease**
- **Read and become familiar with IRS instructions**



## Extra Extra Credit!

### SAMPLE OPTIONAL BID ITEM LANGUAGE

#### QUALIFIED PLUG-IN ELECTRIC DRIVE MOTOR VEHICLE TAX CREDIT

Successful bidder agrees to take the Internal Revenue Service (IRS) Qualified Plug-In Electric Drive Motor Vehicle Tax Credit of \$\_\_\_\_\_ on behalf of purchaser in accordance with IRS Form 8936 and will offer a vehicle purchase discount of \$\_\_\_\_\_ for each \_\_\_\_\_ vehicle purchased.

Yes\_\_\_\_\_No\_\_\_\_\_

#### TIP:

Request a discount of less than the full tax credit amount





## IRS FORM 8936 LANGUAGE

**Exception.** If you are the seller of a qualified plug-in electric drive motor vehicle to a tax-exempt organization, governmental unit, or a foreign person or entity, and the use of that vehicle is described in section 50(b)(3) or (4), you can claim the credit, but only if you clearly disclose in writing to the purchaser the amount of the tentative credit allowable for the vehicle (from line 6 of Form 8936).



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# More resources on following slides:

Richard Battersby, CAFM, CPFP  
East Bay Clean Cities Coalition

## [www.cleancitieseastbay.org](http://www.cleancitieseastbay.org)

UC Davis- [rebattersby@ucdavis.edu](mailto:rebattersby@ucdavis.edu)

# More resources on following slides:





## EXAMPLE 1- DOE/ARRA GRANT

- Source- Federal DOE/ARRA funding solicitation
- Notice- Clean Cities, fleet publications
- Criteria- Alternative fuel vehicle/station/education
  - Governmental entity/partnership
  - Emissions reduction
  - Petroleum fuel displacement
- Project- Construct 75 biofuel stations in California
- Partners- Propel Fuel & CA State General Services
- Award- \$6.9 million DOE/\$4 million CA Energy Commission
- Notes- \$16 million cost share, jobs, shovel ready, quantify
- Status- Project started, 9 stations constructed in 2010



## EXAMPLE 2- RGSF CY PRES GRANT

- Source- Reformulated Gasoline Settlement Fund (cy pres)
- Notice- Clean Cities
- Criteria- Fuel or air emissions benefits to CA consumers
  - Non-profit organizations or partnerships
  - Emissions reduction
  - Petroleum fuel use reduction
- Project- Altamont CNG station to fuel CNG refuse trucks
- Partners- Waste Management/Linde North America
- Award- \$500,000
- Notes- \$600,000 cost share, school age/elderly, quantify
- Status- In contract, to be completed by 2012





## EXAMPLE 3- AIR DISTRICT CLEAN AIR FUND

- Source- Yolo/Solano Air Quality Management District
- Notice- Clean Cities
- Criteria- Reduce emissions from motor vehicles
  - Entity within district boundaries
  - Clean technology/low emission vehicles or fuels
  - Alternative transportation/transit programs or public education
- Project- 6 NEV's replacing gasoline vehicles
- Partners- University of California, Davis sole applicant
- Award- \$42,000
- Notes- \$66,000 cost share, cost effective, quantify
- Status- 6 vehicles fielded



# LINKS

- **Federal**

<http://www.grants.gov/>  
<http://www.fbo.gov>  
<http://www.recovery.gov>  
<http://www.irs.gov/>

- **DOE specific**

<http://www.energy.gov/recovery/funding.htm>  
<http://www1.eere.energy.gov/wip/eeecbg.htm>  
<http://www.energy.gov/recovery/index.htm>  
<http://www1.eere.energy.gov/recovery/>

- **Alternative Fuels Data Center**

[http://www1.eere.energy.gov/cleancities/financial\\_opps.html](http://www1.eere.energy.gov/cleancities/financial_opps.html)  
<http://www.afdc.energy.gov/afdc/states/>

- **State Organizations**

- State Energy Offices**

<http://www.naseo.org/members/states/default.aspx>

- Metropolitan Planning Organizations**

[http://www.bts.gov/external\\_links/government/metropolitan\\_planning\\_organizations.html](http://www.bts.gov/external_links/government/metropolitan_planning_organizations.html)



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## **American Public Works Association (APWA)**

<http://www.apwa.net/>

## **National Conference of State Fleet Administrators (NCSFA)**

<https://www.ncsfa.net/>

## **NAFA Fleet Management Association**

<http://www.nafa.org/>

## **Association of Equipment Management Professionals (AEMP)**

<http://www.aemp.org/>

## **Rocky Mountain Fleet Managers Association (RMFMA)**

<http://www.rmhma.org/>





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## **NATIONAL BIODIESEL BOARD (NBB)**

<http://www.biodiesel.org/>

## **ETHANOLRETAILER.COM**

<http://www.e85fuel.com/index.php>

## **ALTERNATIVE FUEL PRICING**

[http://www.eere.energy.gov/afdc/price\\_report.html](http://www.eere.energy.gov/afdc/price_report.html)

<http://gasprices.mapquest.com/index.jsp>

## **BAF TECHNOLOGIES- EPA/CARB, CNG/LPG (Ford & GM)**

<http://www.baftechnologies.com/index.htm>

## **BAYTECH CORP- EPA/CARB, CNG/LPG (mostly GM)**

<http://www.baytechcorp.com/>

## **CONVERSION AND OTHER VENDORS IN GENERAL**

<http://www.eere.energy.gov/afdc/progs/related2.php>







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## **DOE**

<http://www1.eere.energy.gov/cleancities/>

<http://www.doe.gov/energyefficiency/transportation.htm>

<http://www1.eere.energy.gov/vehiclesandfuels/>

## **EPA**

<http://www.fueleconomy.gov/>

## **Alternate Fuel Vehicle Institute (AFVi)**

<http://www.afvi.org/>

## **HybridCars.com**

<http://www.hybridcars.com/frontpage>

## **NGVC**

<http://www.ngvc.com/>

