

Grand Sierra Resort • Reno, NV

CLEAN AIR SCHOOL BUS FUNDING SOURCES



Richard Battersby, CAFM, CPFP City of Oakland, CA East Bay Clean Cities Coalition



If you only write down one thing...... www.cleancitieseastbay.org





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Funding Strategies 101











Tans Clean School Bus Progra

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Funding Strategies 101

- Clean air vehicles cost more
- Internal funding mechanisms
- External funding sources

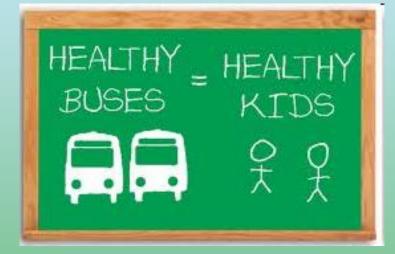






Funding Strategies 101

- Grants
- Vouchers
- Incentives



Rebates
Tax credits
School Bus funding lottery



2009 AVAILABLE GRANT AWARDS

- \$300 million
- \$156 million
- \$30 million
- \$25.6 million
- \$23.3 million
- \$19 million
- \$20.4 million
- \$4.1 million
- \$7 million
- \$20 million
- \$31 million

Department of Energy/ARRA **EPA/National Clean Diesel Funding** EPA/SmartWay Clean Diesel EPA/Emerging Technologies Clean Diesel CA Energy Commission AB118 CA Energy Commission AFV production CA Air Resources Board HVIP vouchers CA Air Resources Board AFVIP rebates **Reformulated Gasoline Settlement Fund** Bay Area AQMD TFCA program MTC Innovative Grants (GHG reduction)





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

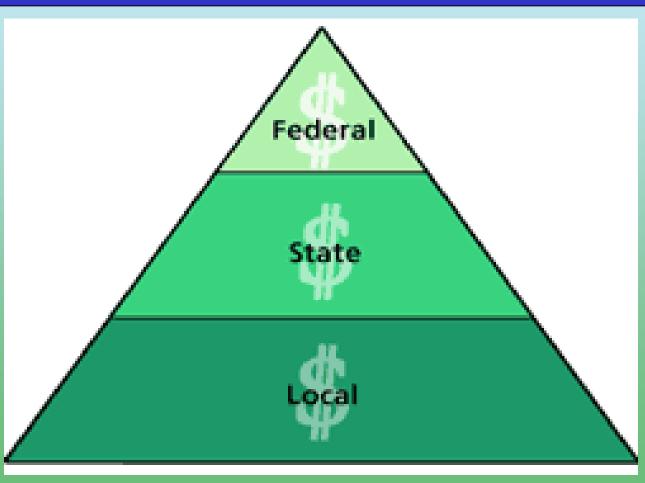


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THE FUNDING PYRAMID



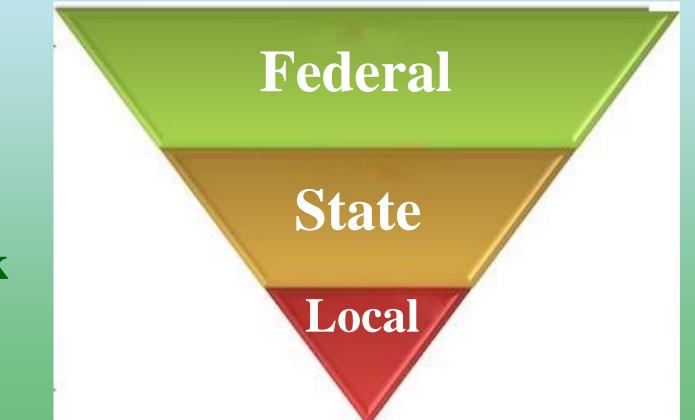


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THE INVERTED FUNDING PYRAMID

\$\$\$
Threshold
Effort
Paperwork



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FEDERAL GRANT SOURCES





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FEDERAL

• Department of Energy (DOE) –EERE, VTP, SEP, Clean Cities, ARRA

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 http://www.epa.gov/cleandiesel/grantfund.htm http://www.epa.gov/cleandiesel/tools/funding.htm

• Department of Agriculture (USDA) -REAP, Flex Fuel dispensers, biofuel production

http://www.usda.gov/wps/portal/usda/usdahome?navid=GRANTS_LOANS

• Department of Transportation (DOT) -FTA, FHWA, TCSP, FAA (VALE), etc.

http://www.dot.gov/Government_Services.htm





FEDERAL DOE/ARRA (Clean Cities)

Hybrid Horsepower for Kentucky Schools

Kentucky has the largest hybrid-electric school bus fleet in the nation with 160 school buses on the road. The program is made possible by a

\$13 million grant from the U.S. Department of Energy that was awarded to the Kentucky Department of Education in December 2009. The grant offsets the purchase price of the hybrid system for a total of 213 buses.









FEDERAL DOE/ARRA (Clean Cities)

Kansas City- 47 CNG School Busses

On Wednesday March 16, the Kansas City, Kansas School District welcomed some newcomers to their community – 47 natural gas school buses deployed as part of the Clean Cities Alternative Fuel Vehicle Pilot Program, supported by the American Recovery and Reinvestment Act. This award is part of a larger,

\$15 million Metropolitan Energy Information Center Midwest Region Alternative Fuels Project. This project will install 27 alternative fuel stations and bring 373 alternative fuel and advanced technology vehicles to Midwest roads.







FEDERAL DOE (Clean Cities)

\$4.5 Million Funding Currently Available

Alternative Fuel Market Readiness (Concept papers due August 1)

\$4.5 Million available through the Clean Cities program, including plug-in electric, natural gas, propane, and flexible fuel vehicles. Through consumer outreach, training, and strategic planning, these investments will increase America's economic, energy, and U.S. Department of Energy environmental security. Concept papers to apply for this funding are required and due on Aug. 1, 2014. Full applications are due Oct. 1, 2014. This funding will support seven to fifteen deployment projects in three major areas: on-the-road demonstrations, safety-related training, and emergency preparedness.







FEDERAL EPA (NCDC)

DERA Grant Programs

The Diesel Emissions Reduction Program (known as "DERA") was created under the Energy Policy Act of 2005 (EPAct), Congress appropriated funds for the first time under this program in FY2008 in the amount of \$49.2 million. EPA has \$9 million in DERA funding for FY14 (closed), as well as \$1 million (current) for Tribal clean diesel projects.

- Application window closed in mid-June (Tribal Aug 12)
- School bus projects specifically authorized
- 1-2 awards per EPA Region (10 Regions)
- \$100,000 \$1.2 million projects







http://www.epa.gov/cleandiesel/prgnational.htm



FEDERAL EPA SCHOOL BUS REBATE

"Return of the \$chool bus funding lottery"

EPA will make \$3 million in school bus replacement funding in the fall.

- Builds on previous \$2 million 2012 pilot program
- 28 recipients replaced more than 80 school buses
- Public and private school bus fleet owners
- \$20,000 \$30,000 per bus depending on GVW
- Replace 1994 2003 diesel school bus
- Old bus must be scrapped
- Minimum usage parameters for old and new buses
- Awardees selected by random number generation
- Replacement bus not required to be alternative fuel

Sign up for notifications at:





http://www.epa.gov/cleandiesel/dera-rebate-schoolbus14.htm



FEDERAL USDA

The Recovery Act projects are funded through the USDA Rural Development Community Facilities Program and will be matched with funding from other sources. Funding of each loan and grant is contingent upon the recipient meeting the conditions of the agreement.

Oklahoma:

After being awarded over **\$28,000** in Community Facility Grant funds from the USDA Rural Development, students in at Briggs School are riding on a new school bus. Funding for this project is supported by the American Recovery and Reinvestment Act.

Virginia:

Carroll County Industrial Development Authority: \$434,490 loan- purchase six new school buses.
Wythe County: \$50,000 grant. The funding will be used to purchase a school bus.

Mississippi:

USDA awarded a **\$54,200** grant to Institute of Community Services, Inc. to purchase a school bus for a head-start center.





STATE

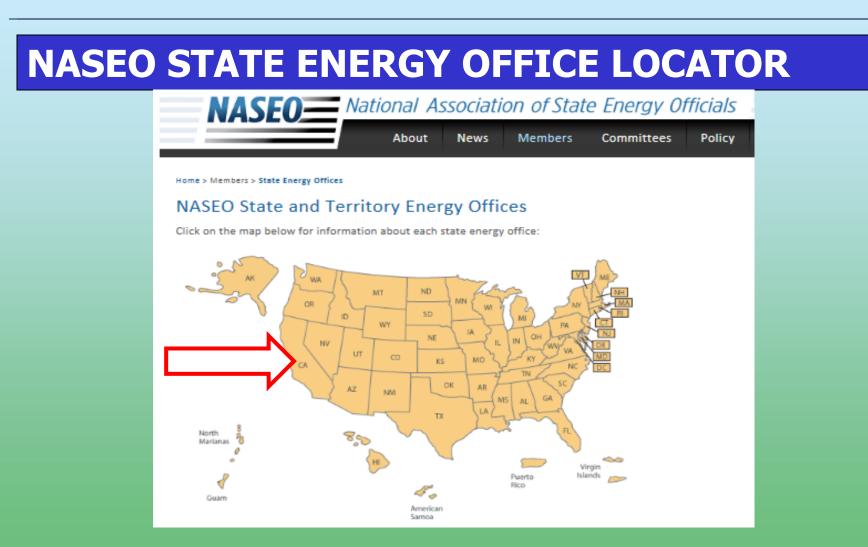
- For your state energy office, look here: http://www.naseo.org/members-states
- Alternative Fuels and Advanced Vehicles Data Center

http://www.afdc.energy.gov/afdc/states/

There may be multiple state level funding entities Example: CA Energy Commission and Air Resources Board









http://www.naseo.org/members-states



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

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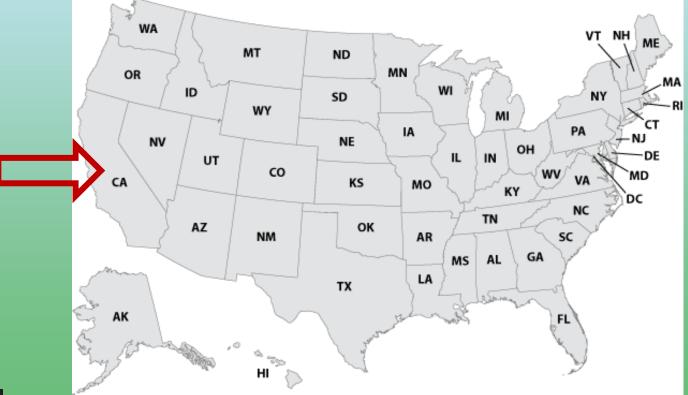
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AFDC STATE RESOURCE DIRECTORY

State Information

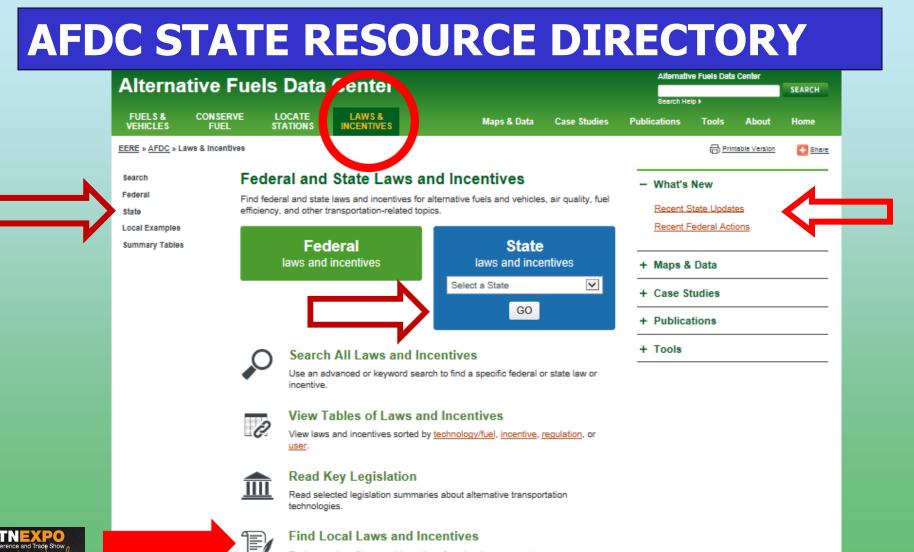
Click on the map below to obtain state-specific information on alternative fuel and advanced vehicle incentives and laws, locations of alternative fueling stations and truck stop electrification sites, area fuel prices, and much more.





http://www.afdc.energy.gov/laws/states/





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Find examples of laws and incentives from local governments.



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|---------------------------|--|----|
| | STATE RESOURCE DIRECTO | RY |
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| | Laws and Incentives VIEWALL SEARCH | 1 |
| | | |
| b | Information in this list is updated annually after California's legislative session ends. Last Updated October 2013 | |
| | | |
| | State Incentives Hybrid Electric Vehicle (HEV) and Zero Emission Vehicle (ZEV) Purchase Vouchers | |
| | Plug-In Hybrid and Zero Emission Light-Duty Vehicle Rebates | |
| | Alternative Fuel and Vehicle Incentives | |
| | High Occupancy Vehicle (HOV) and High Occupancy Toll (HOT) Lane Exemption | |
| | Voluntary Vehicle Retirement Incentives Alternative Fuel Vehicle (AFV) and Fueling Infrastructure Grants | |
| | Emissions Reductions Grants | |
| | Heavy-Duty Vehicle Emissions Reduction Grants | |
| | Low Emissions School Bus Grants | |
| | Alternative Fuel and Advanced Vehicle Career Training | |
| | Advanced Transportation Tax Exclusion | |
| | <u>Compressed Natural Gas (CNG) and Electricity Tax Exemption for Transit Use</u> Electric Vehicle Supply Equipment (EVSE) Grants - Bay Area | |
| | Vehicle Emissions Reduction Grants - Sacramento | |
| | Natural Gas Vehicle (NGV) Home Fueling Infrastructure Incentive - South Coast | |
| | Employer Invested Emissions Reduction Funding - South Coast | |
| | Technology Advancement Funding - South Coast | |
| | Hybrid and Zero Emission Truck and Bus Vouchers - San Joaquin Valley | |
| | Alternative Fuel and Advanced Vehicle Rebate - San Joaquin Valley Alternative Fuel Vehicle (AFV) Incentives - San Joaquin Valley | |
| | Heavy-Duty Diesel Vehicle Vouchers - San Joaquin Valley | |
| | Low Emission Vehicle Incentives and Technical Training - San Joaquin Valley | |
| | Air Quality Improvement Program Funding - Ventura County | |
| | With Drivet Incention | |
| | Utility/Private Incentives Propane Vehicle Rebates - Western Propane Gas Association (WPGA) | |
| | Electric Vehicle Supply Equipment (EVSE) Rebate - LADWP | |
| | Electric Vehicle Supply Equipment Rebate - GWP | |
| | Plug-In Electric Vehicle (PEV) Charging Rate Reduction - SMUD | |
| | Plug-In Electric Vehicle (PEV) Charging Rate Reduction - LADWP | |
| | Plug-In Electric Vehicle (PEV) Charging Rate Reduction - SCE Clean Vehicle Electricity and Natural Gas Rate Reduction - PG&E | |
| STNEYDO | Plug-In Electric Vehicle (PEV) and Natural Gas Infrastructure Charging Rate Reduction - SDG&E | 23 |
| Conference and Trade Show | Natural Gas Rate Reduction - SoCalGas | |

- Plug-In Electric Vehicle (PEV) and Natural Gas Infrastructure Charging Rate Reduction SDG&E

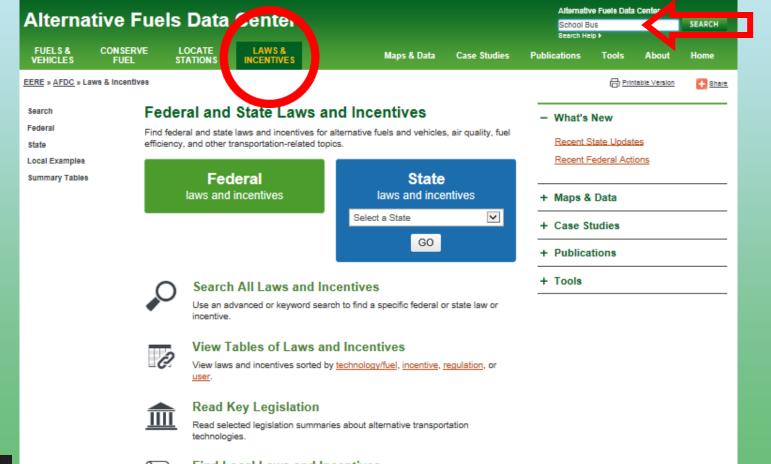
 - Natural Gas Rate Reduction SoCalGas
 Biofuel Volume Rebate Program Propel Fuels
 Alternative Fuel Vehicle (AFV) and Hybrid Electric Vehicle (HEV) Insurance Discount

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AFDC STATE RESOURCE DIRECTORY

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Find Local Laws and Incentives

Find examples of laws and incentives from local governments.



AFDC STATE RESOURCE DIRECTORY

Results for: School Bus

about 920 results found, top 500 sorted by relevance

Alternative Fuels Data Center: School Buses Go Green in Virginia

Oct. 1, 2011 School Buses Go Green in Virginia We've taken some important first steps toward lower emissions and reduced dependence on foreign oil. Eve http://www.afdc.energy.gov/case/1054- 24.2KB

Alternative Fuels Data Center: Pennsylvania School Buses Run on Natural Gas

Feb. 16, 2013 Pennsylvania School Buses Run on Natural Gas Find out how schools in Pennsylvania transport students in compressed natural gas school http://www.afdc.energy.gov/case/1343- 62.8KB

Alternative Fuels Data Center: School Bus Idle Reduction Strategies

School Bus Idle Reduction Strategies School bus idling can have negative health impacts and lead to increased emissions and excessive petroleum consur http://www.afdc.energy.gov/conserve/idle_reduction_bus.html- 27.4KB

Alternative Fuels Data Center: Michigan Transports Students in Hybrid Electric School Buses

Jan. 4, 2014 Michigan Transports Students in Hybrid Electric School Buses Find out how Michigan reduces emissions by transporting students in hybrid electric/www.afdc.energy.gov/case/625- 69.3KB

Alternative Fuels Data Center: Natural Gas School Buses Help Kansas City Save Money

Nov. 12, 2011 Natural Gas School Buses Help Kansas City Save Money Watch how Kansas City public schools reduce fuel costs using compressed nature http://www.afdc.energy.gov/case/564- 65.1KB

Clean Cities: Natural Gas Transit and School Bus Users Group

Natural Gas Transit and School Bus Users Group The Natural Gas Transit and School Bus Users Group (TUG) provides information and technical assistan http://www1.eere.energy.gov/cleancities/natural_gas_users.html- 32.3KB

Getting Schooled—Utah School Bus Anti-Idling Campaign

Presentation about the Utah Clean Cities coalition http://www1.eere.energy.gov/cleancities/pdfs/ summit_utah_school_bus.pdf- 302.4KB

Propane School Buses: Spin & Win for Virginia Schools

Presentation about the Virginia Clean Cities coalition

http://www1.eere.energy.gov/cleancities/pdfs/summit_propane_school_buses.pdf-462.0KB



Blue Bird OEM Propane School Bus

Webcast presentation for the Blue Bird OEM Propane School Bus presented by Brian Feehan and the Propane Education and Research Council http://www1.eere.energy.gov/cleancities/toolbox/pdfs/ feehan_bluebird_webcast.pdf- 544.6KB



STATE CA Energy Commission (AB 118)

- Vehicles must be new, on-road natural gas light-, medium-, or heavy-duty vehicles or school buses
- **\$10.8 million** for light-, medium-, and heavy-duty natural gas vehicles,
- Formerly \$1.0 million for propane school buses

The individual incentive amounts by fuel type and gross vehicle weight (GVW) are as follows:

Natural Gas Vehicle Incentives

| GVW (lbs) | Incentive Amount |
|------------------|------------------|
| Up to 8,500 | \$1,000 |
| 8,501 – 16,000 | \$6,000 |
| 16,001 – 26,000 | \$11,000 |
| 26,001 – 33,000 | \$20,000 |
| 33,001 & greater | \$25,000 |



http://www.energy.ca.gov/contracts/PON-13-610/



| STATE CA | Air Resourc | ces Board | (HVIP) | |
|------------------------------|--------------------------------------|------------------|--------------------------------|--|
| Table 12 Z | ero-Emission Truck | and Bus Vouch | er Ampunts | |
| | Ba | se Vehicle mcen | tive | |
| GVWR (lbs) | 1 to 100 ve | 101 to 200 | | |
| | Outside DC ² | Within DC | vehicles | |
| 5,001 - 8,500 | \$12,000 <u>/\$20,000</u> | \$25,000 | \$10,000 /\$12,000 | |
| 8,501 – 10,000 | \$18,000 <u>/\$25,000</u> | \$30,000 | \$12,000 / \$18,000 | |
| 10,001 – 14,000 ³ | \$30,000 <u>/\$50,000</u> | <u>\$55,000</u> | \$20,000 / \$30,000 | |
| 14,001 – 19,500 | \$35,000 <u>/\$80,000</u> | <u>\$90,000</u> | \$25,000 / \$35,000 | |
| 19,501 – 26,000 | \$40,000 <u>/\$90,000</u> | <u>\$100,000</u> | \$30,000 / \$40,000 | |
| > 26,000 | \$45,000 <u>/\$95.000</u> | <u>\$110,000</u> | \$35,000 / \$45,000 | |



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http://www.californiahvip.org/default.aspx



| STATE CA Air Resou | urces Board (H | IVIP) | | |
|--|--------------------------------|------------------------|--|--|
| Table 3: Eligible Hybrid Tru | uck and Bus Youcher Ar | mounts | | |
| | Base Vehicle Incentive | | | |
| GVWR (Ibs) ¹ | 1 to 100 ² vehicles | 101 to 200 vehicles | | |
| 6,001 – 8,500 (plug-in hybrids only) ³ | \$ 8,000 | \$ 6,000 | | |
| 8,501 – 10,000 (plug-in hybrids only) ³ | \$10,000 | \$ 8,000 | | |
| 10,001 – 19,500 | \$15,000 | \$10,000 | | |
| 19,501 – 33,000 | \$20,000 | \$12,000 | | |
| 33,001 – 38,000 | \$25,000 | \$15,000 | | |
| > 38,000 | \$30,000 | \$20,000 | | |



http://www.californiahvip.org/default.aspx

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STATE CA Air Resources Board (HVIP)

| Table 4: Veh | icle vou | che | er Enhancements | 1 |
|--------------|----------|-----|-----------------|---|
| | | | | |

| GVWR (Ibs) | Plug-in or Hydraulic Hybrid ² | Hybrid or Zero- Emission School Bus | ARB Certification (hybrid vehicles only) | Zero-Emission Fast- Charge/ Hydrogen Fuel Cell Vehicle |
|--|--|---|---|--|
| 6,001 – 10,000 (plug-in hybrids only) | NA | \$ 5,000 | NA | |
| 10,001 - 14,000 | \$5,000 | | | \$10,000/\$20,000 |
| 14,001 – 19,500 | | | \$15,000 | |
| 19,501 – 33,000 | ¢10.000 | \$10,000 | φ13,000 | \$15,000/\$30,000 |
| 33,001 - 38,000 | \$10,000 | | \$20,000 | \$20,000/\$40,000 |
| > 38,000 | | | | |



http://www.californiahvip.org/default.aspx

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STATE CA Air Resources Board (HVIP)

Additional \$5,000 to \$10,000 is provided for school buses purchased by public school districts.

For a \$200,000 hybrid school bus (26,000 gvw)

HVIP provides a \$20,000 base vehicle incentive
\$10,000 school bus bump-up
\$10,000 for the first three buses purchase
Total \$40,000 voucher.

Lower Emission School Bus Program can provides \$140,000

Combined public funds could provide as much as 90 percent of the total



http://www.californiahvip.org/default.aspx



TEXAS CLEAN FLEET PROGRAM

\$7.7 MILLION Texas Commission on Environmental Quality (Replace diesel vehicles)

•The vehicle being purchased must be powered by a hybrid or alternative-fuel engine.

•Alternative fuels, for this program, are limited to electricity, compressed natural gas (CNG), liquefied natural gas (LNG), hydrogen, propane (LPG), or a mixture of fuels containing at least 85% methanol by volume (M85).

•Must result in 25% reduction in NOx emissions

•Up to 80% of new vehicle purchase cost





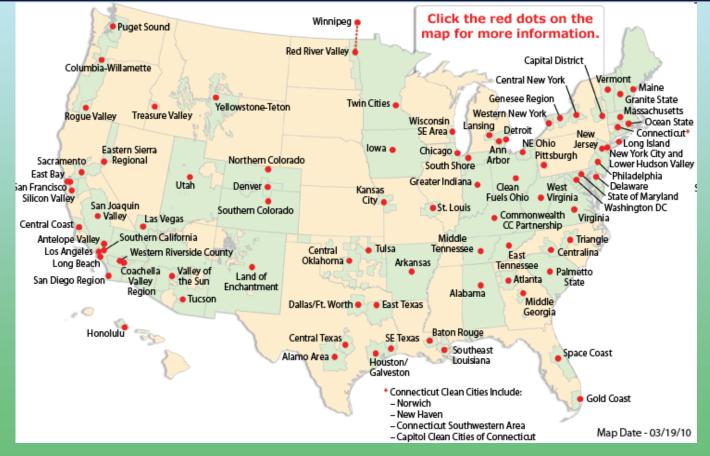
LOCAL

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





LOCAL CLEAN CITIES COALITIONS





www.afdc.energy.gov/cleancities/progs/coalition_locations.php



MPO LOCATOR

| About BIS BIS Press Room Data and Statistics Publications Subject Areas External Links Pirtx > E1X | RITA Research and Innovative Technology Bureau of Transportation Statistics | | | |
|---|---|--|--------|--|
| | | Publications 👻 Subject Areas 👻 External Li | nks 👻 | |
| Metropolitan Planning Organizations are responsible for planning, programming and coordination of federal highway and transit investments in urbanized areas. Alabama • Option MFO- Dottion (AL) • Option MFO- Dottion (AL) • Option MFO- Option (AL) • Destroan (AL) • Option MFO- Option (AL) • Lac-Flussel CoO- Opelika (AL) • North-Central Alabama Regional COO- Destar (AL) • North-Central Alabama Regional COO- Destar (AL) • South Alabama RPC - Mobile (AL) • South Alabama RPC - Northport (AL) • South Alabama RPC - Mobile (AL) • Mancharge MATS - Anchorage (AK) • Pima AOO - Flagstaff (AZ) • Manoa AOO - Floagstaff (AZ) • Minoma RPC - Ford Smith (AR) • Mathema RPC - Sum Budie (AR) • Northwest Alkanass RPC - Pime Bulf (AR) • Northwest Alkanass | | | | |
| Alabama • Birmingham RPC - Birmingham (AL) • Dothan MPO - Dothan (AL) • East Abama Regional Planning and Development Commission - Anniston (AL) • Gadsden-Etwashl COG - Opeikk (AL) • Hundsville MPO - Hundsville (AL) • North-Central Alabama Regional COG - Decistur (AL) • North-Central Alabama Regional COG - Decistur (AL) • North-Central Alabama RPC - Mobile (AL) • North-Central Alabama RPC - Northgort (AL) • North-Central Alabama RPC - Northgort (AL) • North-Central Alabama RPC - Northgort (AL) • Anchorage MATS - Anchorage (AK) Alaska • Anchorage MATS - Anchorage (AK) • Hindstaft Alabama RPC - Flagstaft (AZ) • Mantopa ADG - Photeinx (AZ) • Mantopa ADG - Flagstaft (AZ) • Mantopa ADG - Flagstaft (AZ) • Mithoma RPC - Flaft Shifth (AR) • Mothwest Alkanass RPC - Flaft Shifth (AR) • West Memphis MPO - Viset Memphis (AR) • California • Mathod - Matina (CA) • West Memphis PC - Viset Memphis (AR) • California | Metropolitan Planning Organizations | | | |
| Birmingham RPC - Birmingham (AL) Dothan MPO - Dothan (AL) East Alabama Regional Planning and Development Commission - Anniston (AL) Gadsden-Etowah MPO - Bodisden (AL) Huntswile MPO - Huntswile (AL) Lee-Russell COC - Opelika (AL) North-Central Alabama Regional COG - Decatur (AL) North-Central Alabama RPC - Nothiport (AL) Alabama RPC - Nothport (AL) Alabama RPC - Nothport (AL) Alaska Anchorage MATS - Anchorage (AK) Pima AGO - Tuscin (AZ) Pima AGO - | Metropolitan Planning Organizations are responsible for planning, programming and | d coordination of federal highway and transit investments in urbanized | areas. | |
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| Arizona • Flagstaff MPO - Flagstaff (AZ) • Maricopa AOG - Phoenix (AZ) • Pima AOG - Tucson (AZ) • Yuma MPO - Yuma (AZ) • Arkhoma RPC - Fort Smith (AR) • Metropian - Little Rock (AR) • Northwest Arkansas RPC - Springdale (AR) • Southeast Arkansas RPC - Pine Bluff (AR) • West Memphis MPO - West Memphis (AR) • California • AMBAO - Marina (CA) • Butte County Association of Governments - Chico (CA) • Council of Freson County Governments - Freson (CA) | | | | |
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| Pima A00 - Tucson (A2) Yuma MPO - Yuma (A2) Arkansas Arknosa RPC - Fort Smith (AR) Metropian - Little Rock (AR) Northwest Arkansas RPC - Springdale (AR) Southeast Arkansas | | | | |
| Arkansas • Arkhoma RPC - Fort Smith (AR) • Metroplan - Little Rock (AR) • Northwest Arkansas RPC - Springdale (AR) • Southeast Arkansas RPC - Prine Bluff (AR) • West Memphis MPO - West Memphis (AR) California • AMBAO - Marina (CA) • Butte County Association of Governments - Chico (CA) • Council of Freson County Governments - Freson (CA) | Pima AOG - Tucson (AZ) | | | |
| Metropian - Little Rock (AR) Northwest Arkansas RPC - Springdale (AR) Southeast Arkansas RPC - Prine Bluff (AR) West Memphis MPO - West Memphis (AR) California AMBAO - Marina (CA) Butte County Association of Governments - Chico (CA) Council of Fresho County Governments - Fresho (CA) | | | | |
| 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) County Association of Governments - Fresno (CA) | | | | |
| West Memphis MPO - West Memphis (AR) California AMBAG - Marina (CA) Butte County Association of Governments - Chico (CA) County Association of Governments - Fresno (CA) | Northwest Arkansas RPC - Springdale (AR) | | | |
| AMBAG - Marina (CA) Butte County Association of Governments - Chico (CA) Council of Fresno County Governments - Fresno (CA) | West Memphis MPO - West Memphis (AR) | | | |
| Butte County Association of Governments - Chico (CA) Council of Fresho County Governments - Fresho (CA) | | | | |
| Council of Fresho County Governments - Fresho (CA) | | | | |
| | Council of Fresho County Governments - Fresho (CA) | | | |

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http://www.bts.gov/external_links/government/metropolitan_planning_organizations



LOCAL Bay Area Air Management Dist.



BAAQMD Grants and Incentives

\$19

\$5

- Carl Moyer Program (CMP):
- Shore-Power Program (MSIF):
- Goods Movement Program (GMP):

Shore-Power Program \$20

On-Road Truck Program \$8

- Lower Emission School Bus Program: \$9
- Transportation Fund for Clean Air (TFCA):

Regional Fund \$11

County Program Manager Fund \$10



Approximately \$80 million to be allocated in Fiscal Year 2010/2011



INFORMATION RESOURCES





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INFORMATION RESOURCES

• Clean Cities (!)

- List serves, publications, and e-bulletins
- Websites (Clean Cities, SEO, AFDC, etc.)
- Industry/trade organizations (NAPT, NGVA, NBB)
- OEM's, vendors (Mack Trucks and SIG)
- Fuel providers
- Peers
- Conferences/Events











All Alternative Fuels • All Weight Classes North America's Largest Clean Fleet Expo







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Cities

HOME EXHIBITORS AGENDA CO-LOCATED EVENTS PRESS ABOUT

ALTERNATIVE CLEAN TRANSPORTATION

SAVE THE DATES! May 4-7 Dallas, TX





http://www.actexpo.com/







| HOME | GENERAL INFO | SCHEDULE | ATTENDEES | EXHIBIT HALL | EXHIBITORS | TRAVEL | REGISTER | |
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Green Fleet CONFERENCE & EXPO

The World's Largest Fuel & Fleet Efficiency Event

EXPERIENCE 2.0



Heavy Duty Truck Education by HDT (Heavy Duty Trucking Magazine) Learn more>>

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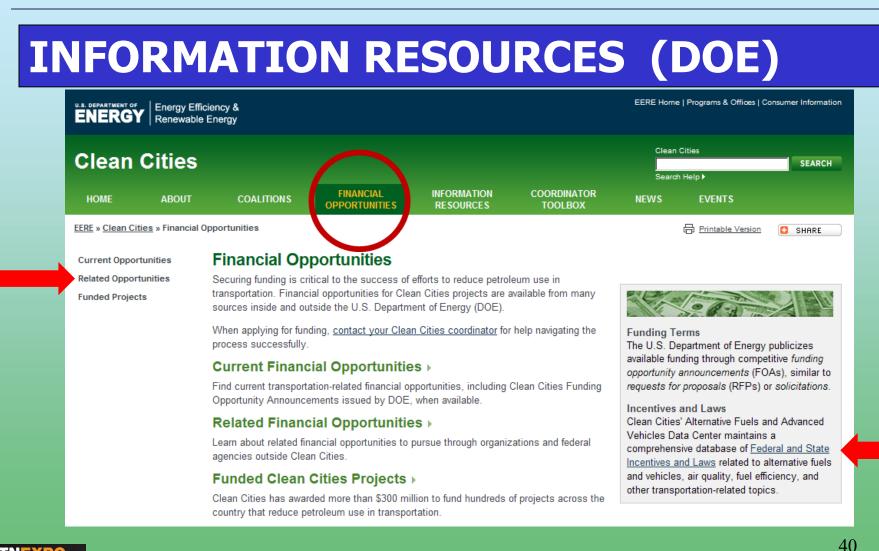
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http://www.greenfleetconference.com/

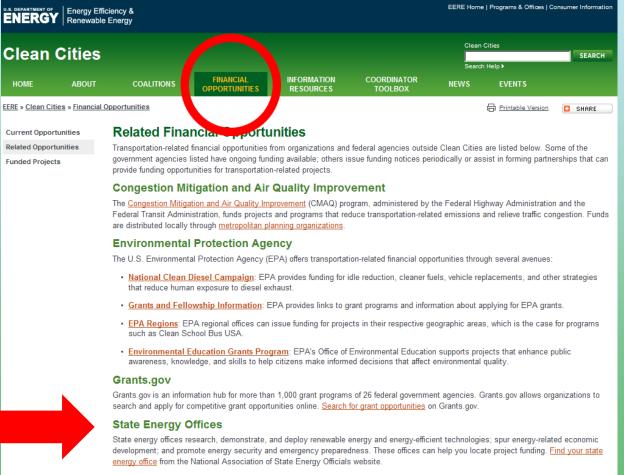




http://www1.eere.energy.gov/cleancities/financial_opps.html









Explore additional funding opportunities from federal government agencies:



INFORMATION RESOURCES (Clean Cities)



<u>Grants.gov</u>



Recovery.gov



<u>Department of Energy</u> (DOF)



Environmental Protection Agency (EPA)



Department of Transportation (DOT)



<u>Department of</u> 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 opportunites 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

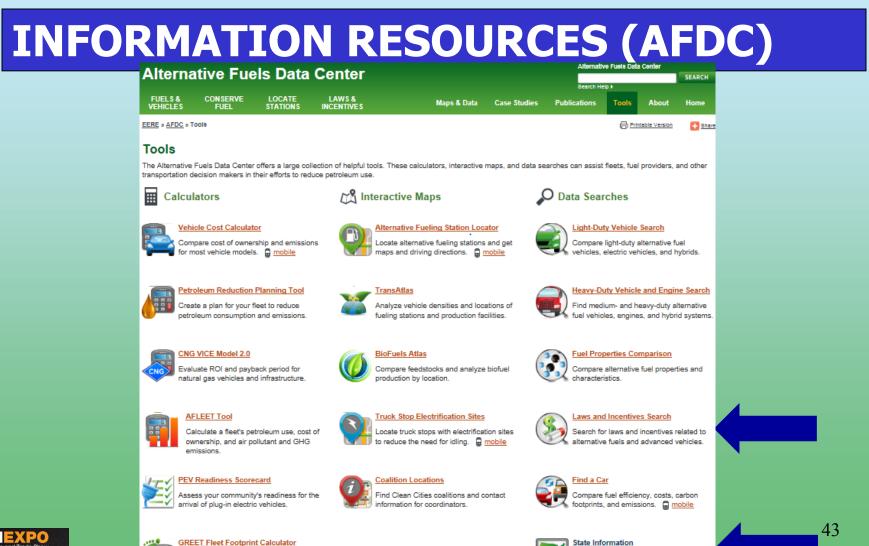
You may subscribe to various funding advisories and DOE national/local East Bay Clean Cities newsletters using the links provided below:

- FREE- Subscribe to East Bay Clean Cities e-bulletins
- FREE- Subscribe to DOE Clean Cities Now newsletter
- <u>FREE-</u> <u>Subscribe to monthly "Solicitations" email advisory bulletin</u> (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







GREET Fleet Footprint Calculator

Calculate your fleet's petroleum use and greenhouse gas emissions footprint.



Find state information about alternative uels and advanced vehicles

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| | | | |
| | r your federal grants by keywords or | | Grants.gov Updates: |
| 26 federal grant-making | Il discretionary grants offered by the Jagencies can be found on have to register with Grants.gov to | Grants.gov Scheduled Maintenance Outage: August 23-25, 2014. | |
| Grants.gov. You do not find grant opportunities. Search Grant Oppo | | | For more information on scheduled maintenance outages and status updates, please visit the following: Grants.gov Calendar » Grants.gov Blog » |
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| | | | For a full description of the new enhancements covered in the Applicant Release Notes, click here » |
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| NEWEST OPPORTUNITII Funding Opportunity Number 14AS00258 HS-14-NPPD-128-001-A | BROWSE CATEGORIES BROWSE AGENCIES BROWSE ELIGIBILIT Opportunity Title Standards for Boundary Evidence (SBE) Implementation Project | View More » Agency Bureau of Land Management Office of Procurement | For a full description of the new enhancements covered in the Applicant Release Notes, click here » Did you know that Grants gov must receive verification of registration from SAM electronically before AORs can submit applications on Grants.gov? Please allow 24-48 hours from the date of the SAM email notification to complete the electronic process. To quickly |
| NEWEST OPPORTUNITII Funding Opportunity Number 14AS00258 HS-14-NPPD-128-001-A AR-14-294 | BROWSE CATEGORIES BROWSE AGENCIES BROWSE ELIGIBILIT Opportunity Title Standards for Boundary Evidence (SBE) Implementation Project National Cybersecurity Awareness Program | Agency Agency Bureau of Land Management Office of Procurement Operations - Grants Division | For a full description of the new enhancements covered in the Applicant Release Notes, click here » Did you know that Grants.gov must receive verification of registration from SAM electronically before AORs can submit applications on Grants.gov? Please allow 24-48 hours from the date of the SAM email notification |
| NEWEST OPPORTUNITII Funding Opportunity Number 14AS00258 HS-14-NPPD-128-001-A AR-14-294 FA-RM-14-003 | BROWSE CATEGORIES BROWSE AGENCIES BROWSE ELIGIBILIT Opportunity Title Standards for Boundary Evidence (SBE) Implementation Project National Cybersecurity Awareness Program Arts-Based Approaches in Palliative Care for Symptom Management (R01) | Agency Agency Bureau of Land Management Office of Procurement Operations - Grants Division National Institutes of Health | For a full description of the new enhancements covered in the Applicant Release Notes, click here » Did you know that Grants.gov must receive verification of registration from SAM electronically before AORs can submit applications on Grants.gov? Please allow 24-48 hours from the date of the SAM email notification to complete the electronic process. To quickly and easily verify Grants.gov AOR status, click here » |
| NEWEST OPPORTUNITII Funding Opportunity Number 14AS00258 HS-14-NPPD-128-001-A AR-14-294 FA-RM-14-003 P-IDS-14-012 | BROWSE CATEGORIES BROWSE AGENCIES BROWSE ELIGIBILIT Opportunity Title Standards for Boundary Evidence (SBE) Implementation Project National Cybersecurity Awareness Program Arts-Based Approaches in Palliative Care for Symptom Management (R01) NIH Transformative Research Awards (R01) | View More » Agency Bureau of Land Management Office of Procurement Operations - Grants Division National Institutes of Health National Institutes of Health Assistant Secretary for | For a full description of the new enhancements covered in the Applicant Release Notes, click here » Did you know that Grants gov must receive verification of registration from SAM electronically before AORs can submit polications on Grants gov? Please allow 24-48 hours from the date of the SAM email notification to complete the electronic process. To quickly and easily verify Grants.gov AOR status, click here » Financial Assistance Grants.gov does not provide personal financial |
| NEWEST OPPORTUNITII Funding Opportunity Number 14AS00258 HS-14-NPPD-128-001-A AR-14-294 FA-RM-14-003 P-IDS-14-012 IU-2014-3946 | BROWSE CATEGORIES BROWSE AGENCIES BROWSE ELIGIBILIT Opportunity Title Standards for Boundary Evidence (SBE) Implementation Project National Cybersecurity Awareness Program Arts-Based Approaches in Palliative Care for Symptom Management (R01) NIH Transformative Research Awards (R01) Enhance Global Health and Security NIJ FY 14 Cost-Effective Aviation Technologies and Research to Support Counter- | View More » Agency Bureau of Land Management Office of Procurement Operations - Grants Division National Institutes of Health National Institutes of Health Assistant Secretary for Preparedness and Response | For a full description of the new enhancements covered in the Applicant Release Notes, click here » Did you know that Grants gov must receive verification of registration from SAM electronically before AORs can submit applications on Grants gov? Please allow 24-48 hours from the date of the SAM email notification to complete the electronic process. To quickly and easily verify Grants.gov AOR status, click here » Financial Assistance |
| NEWEST OPPORTUNITII Funding Opportunity Number 14AS00258 HS-14-NPPD-128-001-A AR-14-294 FA-RM-14-003 P-IDS-14-012 IJ-2014-3948 14AS00259 | BROWSE CATEGORIES BROWSE AGENCIES BROWSE ELIGIBILIT Opportunity Title Opportunity Title Standards for Boundary Evidence (SBE) Implementation Project National Cybersecurity Awareness Program Arts-Based Approaches in Palliative Care for Symptom Management (R01) NIH Transformative Research Awards (R01) Enhance Global Health and Security NIJ FY 14 Cost-Effective Aviation Technologies and Research to Support Counter-Poaching Operations Related to Endangered, Protected, and/or Regulated Wildlife Gunsight Pass Road AML Site Reclamation under the jurisdiction Bureau of Land | View More » Agency Bureau of Land Management Office of Procurement Operations - Grants Division National Institutes of Health Assistant Secretary for Preparedness and Response National Institute of Justice | For a full description of the new enhancements covered in the Applicant Release Notes, click here » Did you know that Grants gov must receive verification of registration from SAM electronically before AORs can submit electronically before AORs can submit on Grants gov? Please allow 24-48 hours from the date of the SAM email notification to complete the electronic process. To quickly and easily verify Grants.gov AOR status, click here » Financial Assistance Grants.gov does not provide personal financial assistance. To learn where you may find personal financial assistance, please visit USA.gov » |
| NEWEST OPPORTUNITII Funding Opportunity Number 14AS00258 HS-14-NPPD-128-001-A AR-14-294 FA-RM-14-003 P-IDS-14-012 IJ-2014-3948 14AS00259 FA-HL-15-017 | BROWSE CATEGORIES BROWSE AGENCIES BROWSE ELIGIBILIT Opportunity Title Opportunity Title Standards for Boundary Evidence (SBE) Implementation Project National Cybersecurity Awareness Program Arts-Based Approaches in Palliative Care for Symptom Management (R01) NIH Transformative Research Awards (R01) Enhance Global Health and Security NIJ FY 14 Cost-Effective Aviation Technologies and Research to Support Counter-Poaching Operations Related to Endangered, Protected, and/or Regulated Wildlife Gunsight Pass Road AML Site Reclamation under the jurisdiction Bureau of Land Management in Colorado. | View More » Agency Bureau of Land Management Office of Procurement Operations - Grants Division National Institutes of Health National Institutes of Health Assistant Secretary for Preparedness and Response National Institute of Justice Bureau of Land Management | ✓ For a full description of the new enhancements covered in the Applicant Release Notes, click here » Did you know that Grants gov must receive verification of registration from SAM electronically before AORs can submit ✓ applications on Grants gov? Please allow 24-48 hours from the date of the SAM email notification to complete the electronic process. To quickly and easily verify Grants.gov AOR status, click here » Financial Assistance Grants.gov does not provide personal financial assistance. To learn where you may find personal |
| NEWEST OPPORTUNITII Funding Opportunity Number 14AS00258 | BROWSE CATEGORIES BROWSE AGENCIES BROWSE ELIGIBILIT Opportunity Title Opportunity Title Standards for Boundary Evidence (SBE) Implementation Project National Cybersecurity Awareness Program Arts-Based Approaches in Palliative Care for Symptom Management (R01) NIH Transformative Research Awards (R01) Enhance Global Health and Security NIJ FY 14 Cost-Effective Aviation Technologies and Research to Support Counter-Poaching Operations Related to Endangered, Protected, and/or Regulated Wildlife Gunsight Pass Road AML Site Reclamation under the jurisdiction Bureau of Land Management in Colorado. Bioreactors for Reparative Medicine - SBIR Direct Phase II (R44) | View More » Agency Bureau of Land Management Office of Procurement Operations - Grants Division National Institutes of Health National Institutes of Health Assistant Secretary for Preparedness and Response National Institute of Justice Bureau of Land Management National Institutes of Health | For a full description of the new enhancements covered in the Applicant Release Notes, click here » Did you know that Grants gov must receive verification of registration from SAM electronically before AORs can submit electronically before AORs can submit on Grants gov? Please allow 24-48 hours from the date of the SAM email notification to complete the electronic process. To quickly and easily verify Grants.gov AOR status, click here » Financial Assistance Grants.gov does not provide personal financial assistance. To learn where you may find personal financial assistance, please visit USA.gov » |



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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
- "Fleets & Fuels" bi-weekly e-newsletter (\$397/yr) http://www.fleetsandfuels.com/index.html
- "NGV Today" e-newsletters (free) http://ngvtoday.org/
- "Roush Clean Talk" e-newsletters (free) http://www.roushcleantech.com/content/cleantalk





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. | http://www.baaqmd.gov/?sc_itemid=08F959 4F-BF34-4A2A-BD38-9A3D0CCFF8F8 |
| Cascade Sierra Solutions | Shorepower Truck Electrification Project (STEP) Rebate Program | Rebates for battery HVAC systems are the only remaining | First come, first served. | https://csswebform.org/WebForm/TSE_hom e.aspx |
| North Carolina Department of Environment and Natural Resources | 2011 Idle Reduction Devices Rebate Program | \$50,000 (as of July 10, 2012) | First come, first served, but no later than September 30, 2012. | http://daq.state.nc.us/motor/Rebates/ |
| California Air Resources Board (CARB) | On-Road Heavy-Duty Vehicle Loan Program | ~\$48 million for loan guarantees | Rolling deadline until funds are awarded. | http://www.arb.ca.gov/ba/loan/on- road/documents/hdvloanprogram.pdf |
| Minnesota Pollution Control Agency | Small Business Auxiliary Power Unit (APU) Loan Program | \$110,000 | Rolling deadline until funds are awarded. | 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 |
| 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. | http://www.turnyourengineoff.org/campaign _recognition.html |



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SUCCESS!





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Extra Credit!

Don't Overlook Tax Credits/Rebates > PEV's- IRS Form 8834/8936/8910? > Infrastructure- IRS Form 8911 > Alternative/renewable fuel credits? > Changes frequently

Tips:

Public/private partnerships may allow taking of tax credits
Include as specific language in contract or specifications
Read and become familiar with IRS alt fuel vehicle/fuel instructions





More resources on following slides:

Richard Battersby, CAFM, CPFP East Bay Clean Cities Coalition

www.cleancitieseastbay.org

East Bay Clean Cities – admin@cleancitieseastbay.org City of Oakland – rbattersby@oaklandnet.com









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://rideshare.511.org/calculator/
- http://www.epa.gov/oms/climate/420f05001.htm
- http://www.arb.ca.gov/msprog/bus/manualcalc.htm
- http://www.arb.ca.gov/msprog/onrdiesel/calculators.htm
- http://www.arb.ca.gov/msei/onroad/latest_version.htm
- http://www.arb.ca.gov/msprog/onroad/cert/cert.php
- http://www.transportation.anl.gov/modeling_simulation/AirCred/index.html
- http://greet.es.anl.gov/carbon_footprint_calculator





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/eecbg.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://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





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.rmfma.org/









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://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









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/





