CLEAN AIR VEHICLE FUNDING SOURCES

Richard Battersby, CAFM, CPFP
University of California, Davis
East Bay Clean Cities Coalition
If you only write down one thing........

www.cleancitieseastbay.org
Funding Strategies 101

- Funding sources
- Locating opportunities
- Keeping up to date
Funding Strategies 101

- Clean air vehicles cost more
- Internal funding mechanisms
- External funding sources
Funding Strategies 101

- Grants
- Vouchers
- Incentives
- Rebates
- Tax credits
## 2009 AVAILABLE GRANT AWARDS

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

---------------

$636 million
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
THE FUNDING PYRAMID
THE INVERTED FUNDING PYRAMID

$\$\$
Threshold
Effort
Paperwork

Federal
State
Local
FEDERAL GRANT SOURCES

DOE  EPA  USDA  DOT  IRS
FEDERAL

- **Department of Energy (DOE)**
  - EERE, VTP, SEP, Clean Cities, ARRA

- **Environmental Protection Agency (EPA)**
  - National and Regional, NCDC and DERA clean diesel
    - [http://www.epa.gov/otaq/diesel/index.htm](http://www.epa.gov/otaq/diesel/index.htm)
    - [http://www.epa.gov/cleandiesel/grantfund.htm](http://www.epa.gov/cleandiesel/grantfund.htm)
    - [http://www.epa.gov/cleandiesel/tools/funding.htm](http://www.epa.gov/cleandiesel/tools/funding.htm)

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

- **Department of Transportation (DOT)**
  - FTA, FHWA, TCSP, FAA (VALE), etc.
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.
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.
DERA Grant Programs

• The Diesel Emissions Reduction Program (known as "DERA") was created under the Energy Policy Act of 2005 (EPAct), Title VII, Subtitle G (Sections 791 to 797). This gave EPA new grant and loan authority for promoting diesel emission reductions and authorized appropriations to the Agency of up to $200 million per year for FY2007 through FY2011. Congress appropriated funds for the first time under this program in FY2008 in the amount of $49.2 million. In addition, $300 million was appropriated under the American Reinvestment and Recovery Act of 2009, $120 million was appropriated for FY2009-2010, and $49.9 million for FY11.
The Recovery Act projects being announced today 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.
For your state energy office, look here:
http://www.naseo.org/members/states/default.aspx

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
NASEO STATE ENERGY OFFICE LOCATOR

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

Staff Contacts
Susan Click
Executive Assistant
916.654.4996
sglick@energy.state.ca.us

Andrea Gough
916.654.4928
agough@energy.state.ca.us

Melissa Jones
Executive Director
916.654.4996
mjones@energy.state.ca.us

CALIFORNIA REPUBLIC

SAE 2012 School Bus Powertrain Innovation Symposium International
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/afdc/states/
AFDC STATE RESOURCE DIRECTORY

California Information
This state page compiles information related to alternative fuels and advanced vehicles in California and includes new incentives and laws, alternative fueling station locations, truck stop electrification sites, fuel prices, and local points of contact.

Incentives and Laws
Read about California’s Incentives and Laws, including the latest ones listed below.
- Employer Invested Emissions Reduction Funding - South Coast
- Air Quality Improvement Program Funding - Ventura County
- Low Emissions School Bus Grants
- High Occupancy Vehicle (HOV) Lane Exemption
To look up nationwide legislative activity, visit Incentives and Laws.

Locator Tools
Alternative Fueling Station Locator
Look up the locations of California’s 1182 alternative refueling stations.
- Biodiesel (36)
- Ethanol (62)
- Hydrogen (22)
- Natural Gas (221)
- Propane (237)
For a nationwide search, visit the Alternative Fueling Station Locator.

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

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
AFDC STATE RESOURCE DIRECTORY

Federal & State Incentives & Laws

This section allows you to browse and search a database of federal and state laws and incentives related to alternative fuels and vehicles, air quality, fuel efficiency, and other transportation-related topics.

- Federal Incentives and Laws
- State Incentives and Laws

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

- View Tables of Incentives and Laws
  - View tables of incentives and laws sorted by technology/fuel, incentive, regulation, or user.

- Read Key Legislation
  - Read selected federal legislation summaries related to alternative fuels and advanced transportation technologies.

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

http://www.afdc.energy.gov/afdc/laws/
<table>
<thead>
<tr>
<th>Title</th>
<th>Date</th>
<th>Find Similar</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative Fuels and Advanced Vehicles Data Center: Clean School Bus Program - North Central TX</td>
<td>19 Mar 12</td>
<td>Find Similar</td>
</tr>
<tr>
<td>Federal State Advanced Search All Incentives &amp; Laws Sorted by Type Technology or Fuel Incentive Regulation User Printable Version Texas &gt; State Incentives Clean School Bus Program - North Central TX The ...</td>
<td><a href="http://www.afdc.energy.gov/afdc/laws/aw/TX/5795-">http://www.afdc.energy.gov/afdc/laws/aw/TX/5795-</a> 9.3KB</td>
<td></td>
</tr>
<tr>
<td>Alternative Fuels and Advanced Vehicles Data Center: School Bus Retrofit Grant Program</td>
<td>20 Jan 12</td>
<td>Find Similar</td>
</tr>
<tr>
<td>Federal State Advanced Search All Incentives &amp; Laws Sorted by Type Technology or Fuel Incentive Regulation User Printable Version Ohio &gt; State Incentives School Bus Retrofit Grant Program The Ohio ...</td>
<td><a href="http://www.afdc.energy.gov/afdc/laws/aw/OH/6501-">http://www.afdc.energy.gov/afdc/laws/aw/OH/6501-</a> 9.1KB</td>
<td></td>
</tr>
<tr>
<td>Alternative Fuels and Advanced Vehicles Data Center: Low Emissions School Bus Grants</td>
<td>15 Dec 11</td>
<td>Find Similar</td>
</tr>
<tr>
<td>Federal State Advanced Search All Incentives &amp; Laws Sorted by Type Technology or Fuel Incentive Regulation User Printable Version California &gt; State Incentives Low Emissions School Bus Grants The Lower- ...</td>
<td><a href="http://www.afdc.energy.gov/afdc/laws/aw/CA/5357-">http://www.afdc.energy.gov/afdc/laws/aw/CA/5357-</a> 10.3KB</td>
<td></td>
</tr>
<tr>
<td>Alternative Fuels and Advanced Vehicles Data Center</td>
<td>15 Dec 11</td>
<td>Find Similar</td>
</tr>
<tr>
<td>Federal State Advanced Search All Incentives &amp; Laws Sorted by Type Technology or Fuel Incentive Regulation User Printable Version Expired, Repealed, and Archived Washington Incentives and Laws The ...</td>
<td><a href="http://www.afdc.energy.gov/afdc/laws/aw/expired/WA-">http://www.afdc.energy.gov/afdc/laws/aw/expired/WA-</a> 13.2KB</td>
<td></td>
</tr>
<tr>
<td>Alternative Fuels and Advanced Vehicles Data Center: Ohio Incentives and Laws for Grants</td>
<td>19 Nov 10</td>
<td>Find Similar</td>
</tr>
<tr>
<td>Federal State Advanced Search All Incentives &amp; Laws Sorted by Type Technology or Fuel Incentive Regulation User Printable Version Ohio Incentives and Laws for Grants The list below contains summaries of ...</td>
<td><a href="http://www.afdc.energy.gov/afdc/laws/aw/oh/incentive/3233-">http://www.afdc.energy.gov/afdc/laws/aw/oh/incentive/3233-</a> 16.5KB</td>
<td></td>
</tr>
<tr>
<td>Alternative Fuels and Advanced Vehicles Data Center: Ohio Incentives and Laws for Fleet Purchaser/Manager</td>
<td>20 Jan 12</td>
<td>Find Similar</td>
</tr>
<tr>
<td>Federal State Advanced Search All Incentives &amp; Laws Sorted by Type Printable Version Ohio Incentives and Laws for Fleet Purchaser/Manager The list below contains summaries of all Ohio incentives and laws ...</td>
<td><a href="http://www.afdc.energy.gov/afdc/laws/aw/oh/user/3261-">http://www.afdc.energy.gov/afdc/laws/aw/oh/user/3261-</a> 12.3KB</td>
<td></td>
</tr>
<tr>
<td>Alternative Fuels and Advanced Vehicles Data Center: Ohio Incentives and Laws for Biodiesel</td>
<td>20 Jan 12</td>
<td>Find Similar</td>
</tr>
<tr>
<td>Federal State Advanced Search All Incentives &amp; Laws Sorted by Type Printable Version Ohio Incentives and Laws for Biodiesel The list below contains summaries of all Ohio incentives and laws related to ...</td>
<td><a href="http://www.afdc.energy.gov/afdc/laws/aw/oh/tech/3251-">http://www.afdc.energy.gov/afdc/laws/aw/oh/tech/3251-</a> 13.5KB</td>
<td></td>
</tr>
</tbody>
</table>
The maximum funding available by fuel type is:

- $6.447 million for light-, medium-, and heavy-duty natural gas vehicles,
- $5.262 million for light-, medium-, and heavy-duty propane vehicles, and
- **$1.0 million for propane school buses.**

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

**Natural Gas and Propane Vehicle Incentives**

<table>
<thead>
<tr>
<th>GVW (lbs)</th>
<th>Incentive Amounts</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Natural Gas</td>
</tr>
<tr>
<td>Up to 8,500</td>
<td>$3,000</td>
</tr>
<tr>
<td>8,501 – 14,000</td>
<td>$8,000</td>
</tr>
<tr>
<td>14,001 – 26,000</td>
<td>$20,000</td>
</tr>
<tr>
<td>26,001 &amp; greater</td>
<td>$26,000 *</td>
</tr>
<tr>
<td>26,001 &amp; greater</td>
<td>$32,000 **</td>
</tr>
</tbody>
</table>
## Current HVIP Voucher Amounts

<table>
<thead>
<tr>
<th>Gross Vehicle Weight in Pounds (lbs)</th>
<th>Base Incentive¹</th>
</tr>
</thead>
<tbody>
<tr>
<td>5,001 – 8,500 lbs²</td>
<td>Zero-Emission</td>
</tr>
<tr>
<td>8,501 – 10,000 lbs</td>
<td>Plug-in Hybrid</td>
</tr>
<tr>
<td></td>
<td>Zero-Emission</td>
</tr>
<tr>
<td>10,001 – 19,500 lbs³</td>
<td>$15,000</td>
</tr>
<tr>
<td>19,501 – 33,000 lbs</td>
<td>$20,000</td>
</tr>
<tr>
<td>33,001 – 38,000 lbs</td>
<td>$25,000</td>
</tr>
<tr>
<td>&gt; 38,000 lbs</td>
<td>$30,000</td>
</tr>
</tbody>
</table>

¹ The first voucher received by a fleet is increased by $5,000. Vouchers for ARB-certified hybrid vehicles above 14,000 lbs are increased by $5,000.

² The first voucher received by a fleet is increased by $3,000, for a total of $15,000.

³ Zero-emission commercial vehicles in this weight category are eligible for the additional funding. Public school districts receive an additional $10,000 for school buses. See Eligible Vehicle list for specific voucher amounts.

### HVIP Voucher Funding (as of March 7, 2012)

- **ARB FY11 Voucher Funding Requested:** $7,404,000 (363 vehicles)
- **ARB FY11 Voucher Funding Remaining:** $10,801,818
- **CEC FY11 Voucher Funding:** $3,800,000 (funding exhausted--150 vehicles)
- **SCAQMD FY10 Voucher Funding:** $1,430,000 (funding exhausted--41 vehicles)
- **ARB FY10 Voucher Funding:** $19,330,000 (funding exhausted--662 vehicles)
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 (?)
**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)
- DeKalb MPO - DeKalb (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 FPPT - Montgomery (AL)
- North-Central Alabama Regional COG - Decatur (AL)
- NorthWood Alabama COG - Muscle Shoals (AL)
- South Alabama RPC - Mobile (AL)
- West Alabama FDC - Northport (AL)

**Alaska**
- Anchorage MATS - Anchorage (AK)

**Arizona**
- Flagstaff MPO - Flagstaff (AZ)
- Maricopa ACOG - Phoenix (AZ)
- Pima ACOG - Tucson (AZ)
- Yuma MPO - Yuma (AZ)

**Arkansas**
- Arkansas RPC - Fort Smith (AR)
- Metropol - Little Rock (AR)
- Northwest Arkansas RPC - Springdale (AR)
- Southeast Arkansas RPC - Pine Bluff (AR)
- West Memphis MPO - West Memphis (AR)

**California**
- AMBi - Marina (CA)
- Butte County Association of Governments - Chico (CA)
- Council of Fresno Counties Governments - Fresno (CA)
- Klam COG - Bakerfield (CA)
- Merced County Association of Governments - Merced (CA)

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## BAAQMD Grants and Incentives

- Carl Moyer Program (CMP): $19
- Shore-Power Program (MSIF): $5
- 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
INFORMATION RESOURCES

• Clean Cities (!)
• List serves, newsletters, and e-bulletins
• Websites (Clean Cities, SEO, AFDC, etc.)
• Industry/trade organizations (NAPT, NGVA, NBB,)
• Vendors
• Fuel providers
• Peers
• Conferences/Events
North America’s Leading
Alternative Fuel & Clean Vehicle
Technologies Show

Tuesday, May 15
Technical Site Tours
Sessions Begin at 2:00 p.m.
Expo Hall Evening Reception
(Reception sponsored by Chesapeake)

Wednesday, May 16
Expo Hall Open
Keynote Address & Luncheon
Full Day of Sessions
Ride & Drive Event

Thursday, May 17
Expo Hall Open
Keynote Address & Luncheon
Sessions End at 3:30 p.m.

May 15-17, 2012
Long Beach Convention Center
www.actexpo.com
October 2-3, 2012
Renaissance Schaumburg
Schaumburg, IL

http://www.greenfleetconference.com/
INFORMATION RESOURCES

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.
INFORMATION RESOURCES (Clean Cities)

Grants.gov

Recovery.gov

Department of Energy (DOE)

Environmental Protection Agency (EPA)

Department of Transportation (DOT)

USDA 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 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
INFORMATION RESOURCES (AFDC)

www.afdc.energy.gov/afdc/
GRANTS.GOV

http://www.grants.gov/
INFORMATION RESOURCES

SUSCRIBE

– “Clean Cities Now” & local coalition newsletters (free)
  http://www.afdc.energy.gov/cleancities/ccn/

– “Solicitations” newsletter monthly (free)
  Email to: subscribe-funding@listserv.energy.wsu.edu

– “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
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

UC Davis- rebattersby@ucdavis.edu

More resources on following slides:
BE PREPARED TO CALCULATE EMISSIONS

- http://www.epa.gov/cleanenergy/energy-resources/calculator.html
- 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
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/eeccb.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/