2009 ANNUAL REPORT
State of West Virginia Clean Cities

Gallons of Gasoline Equivalent Reduced
538 gallons

Fuel Blends (99%)
Fuel Economy Improvements (0%)
Off-Road Vehicles (0%)
Onboard Idle Reduction (0%)
Other Idle Reduction (0%)
Truck Stop Electrification (0%)
Vehicle Miles Traveled Reductions (0%)
Alternative Fuel Vehicles (1%)

Greenhouse Gas Emissions Reduced
5 tons

Fuel Blends (99%)
Fuel Economy Improvements (0%)
Off-Road Vehicles (0%)
Onboard Idle Reduction (0%)
Other Idle Reduction (0%)
Truck Stop Electrification (0%)
Vehicle Miles Traveled Reductions (0%)
Alternative Fuel Vehicles (1%)

COALITION
State of West Virginia Clean Cities - WV
http://www.energywv.org/community/cleanstate.html

Designated: 10/18/1994
Boundaries: Entire state of West Virginia

COORDINATORS
Kelly Bragg
Address
1900 Kanawha Boulevard East
Bldg. 6, Rm. 645
Charleston, WV 25305

Telephone
800-982-3386 x2004
or 304-558-2234

Fax
x2004

OPERATING INFORMATION
Coordinator(s) hours per week on Clean Cities
5 hours
How long have you been the coordinator? 4 years
Total dues collected $0
How much funding is obtained from other sources to cover coalition operating expenses? $10,000

**Stakeholders**
Number of stakeholders 32
Number of private stakeholders 11
Does the State Energy Office provide any financial support to the coalition or stakeholders? Yes

**Explain State Energy Office’s support**
In 2009, the SEO’s U.S. DOE-funded State Energy Program paid the coordinator’s salary for most of the year. The coordinator also used the SEO’s executive secretary to maintain the W.Va. Ride Share program, an online database connecting Capitol Complex commuters. In 2009, a shift began to use the coalition support contract for events and the coordinator’s salary, as the U.S. DOE-funded WV State Energy Program will not include the W.Va. Clean State Program, although it will remain a program of the SEO. The addition of ARRA funds to the SEO requires a strict separation of funding sources and hours worked on the SEO’s programs.

How would you rate the quality of the data on your survey? Good
How do you obtain most of your data for the survey? Coalition records, Estimates, Survey stakeholders by phone

Has your coalition registered with www.grants.gov? Yes

**GENERAL**

**Outreach Activities**

<table>
<thead>
<tr>
<th>Activity Name</th>
<th>Dates</th>
<th>Activity Type</th>
<th>Percentage from Coalition</th>
<th>Persons Reached</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Technology:</strong> Alternative fuel vehicles</td>
<td><strong>Audience:</strong> Airport, Government, Public, Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The West Virginia Hydrogen Working Group (WVHWG) has a direct role in establishing hydrogen fueling facilities and lead adapter applications in West Virginia.</td>
<td></td>
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</tr>
<tr>
<td>The WVHWG includes members from the U.S. Department of Energy (National Energy Technology Laboratory), U.S. Air Force, W.Va. Air National Guard, WVU, WVSU, the W.Va. Division of Energy, the W.Va. Department of Environmental Protection and the Yeager Airport Authority.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sustainable Schools WV Summit</td>
<td>04/20/2009</td>
<td>Meeting</td>
<td>5%</td>
<td>200</td>
</tr>
<tr>
<td><strong>Technology:</strong> Fuel blends</td>
<td><strong>Audience:</strong> Government, Public, Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>“Sustainable Schools West Virginia” works with schools and communities to build a strong educational foundation that is integral to the abilities of those communities to strengthen economic growth and social justice, protect the environment and ecosystems, improve health and well-being and uphold their heritage and culture. The W.Va. Division of Energy and its W.Va. Clean State Program provided information on Energy Smart Schools, a U.S.-DOE program that encourages high-performance building design; energy-efficient technologies, design and O&amp;M strategies; alternative fuel transportation and renewable energy systems. The W.Va. Clean State Program presented information on W.Va.’s growing cadre of school systems that are using biodiesel blends in their school buses.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kanawha Valley Sustainability Fair</td>
<td>05/30/2009</td>
<td>Literature Distribution</td>
<td>5%</td>
<td>200</td>
</tr>
<tr>
<td><strong>Technology:</strong> Alternative fuel vehicles, Fuel blends, Fuel economy improvements, Hybrid electric vehicles</td>
<td><strong>Audience:</strong> Public</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>The W.Va. Division of Energy/W.Va. Clean State Program participated in the 2009 Kanawha Valley Sustainability Fair, which delivered information on community sustainability to participants. W.Va. Clean State distributed information on the state’s alternative fuel stations, alternative fuel vehicles available and economical driving habits.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Activity Name</td>
<td>Dates</td>
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<td>Persons Reached</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------</td>
<td>---------------</td>
<td>---------------------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>Hydrogen Implementers Conference</td>
<td>08/17/2009, 08/18/2009, 08/19/2009</td>
<td>Meeting</td>
<td>50%</td>
<td>150</td>
</tr>
</tbody>
</table>

**Technology:** Alternative fuel vehicles  
**Audience:** Airport, General Fleets, Government, Public, Public Transport, Utility, Waste

The Mountain States Hydrogen Business Council, with support from the W.Va. Clean State Program, presented the council’s 5th Annual Hydrogen Implementers Conference in Charleston, WV. Conference participants received presentations from leading hydrogen researchers and companies. As part of the conference, a new hydrogen fueling station at Yeager Airport, designed and built by Parsons in cooperation with NETL, was commissioned. The W.Va. Clean State Program exhibited at the conference, distributing material on W.Va.'s alternative fuel stations, alternative fuel vehicles available and fuel economy tips.

<table>
<thead>
<tr>
<th>Turning a New Leaf</th>
<th>10/03/2009</th>
<th>Literature Distribution</th>
<th>5%</th>
<th>25</th>
</tr>
</thead>
</table>

**Technology:** Alternative fuel vehicles, Fuel blends  
**Audience:** Public

As part of the W.Va. Presbytery's Turning a New Leaf conference, the W.Va. Division of Energy/W.Va. Clean State Program provided material on the state’s alternative fuel stations, alternative fuel vehicles available and fuel economy tips.

Total: 935

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**FUEL STATIONS**

**New Stations**

<table>
<thead>
<tr>
<th>Fuel</th>
<th>Public Stations</th>
<th>Private Stations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biodiesel</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>CNG - Compressed Natural Gas</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>E85 - 85% Ethanol</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Electricity</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Hydrogen</td>
<td>1</td>
<td>-</td>
</tr>
<tr>
<td>LNG - Liquefied Natural Gas</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>LPG - Liquefied Petroleum Gas</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total:</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

**VEHICLE INVENTORY**

**Alternative Fuel Vehicles**

<table>
<thead>
<tr>
<th>Fleet Name</th>
<th>Vehicle Class</th>
<th>Fuel</th>
<th>Number of Vehicles</th>
<th>Fuel Used</th>
<th>GGE Reduced</th>
<th>GHG Reduced</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yeager Airport</td>
<td>Light-Duty</td>
<td>Hydrogen</td>
<td>1</td>
<td>55 kg</td>
<td>6 gal</td>
<td>0.0 tons</td>
</tr>
</tbody>
</table>

Market: Airport  
Percentage from coalition: 5%

Total: 1  
6 gal  
0 tons

**FUEL BLENDS**

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Date</th>
<th>Fuel</th>
<th>Fuel Used</th>
<th>GGE Reduced</th>
<th>GHG Reduced</th>
</tr>
</thead>
<tbody>
<tr>
<td>W.Va. School Buses on Biodiesel</td>
<td>12/31/2009</td>
<td>Biodiesel (5%)</td>
<td>208,973 gal</td>
<td>532 gal</td>
<td>4.9 tons</td>
</tr>
</tbody>
</table>

Project motivation: State Law  
Percentage from coalition: 5%

The total amount of diesel used in 2009 in school buses in the 35 counties that are using B5 is 4,179,454. Five percent of that is B100, so the total number of biodiesel gallons is 208,973.

Total: 208,973 gal  
532 gal  
5 tons