<table>
<thead>
<tr>
<th>#</th>
<th>COUNTRY</th>
<th>AMOUNT</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Saudi Arabia</td>
<td>11.73 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td>2</td>
<td>United States</td>
<td>11.11 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td>3</td>
<td>Russia</td>
<td>10.4 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td>4</td>
<td>China</td>
<td>4.42 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td>5</td>
<td>Canada</td>
<td>3.86 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td>6</td>
<td>Iran</td>
<td>3.59 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td>7</td>
<td>OPEC countries average</td>
<td>3.29 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td>8</td>
<td>United Arab Emirates</td>
<td>3.21 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td>9</td>
<td>Iraq</td>
<td>2.99 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td>10</td>
<td>Mexico</td>
<td>2.94 million bbl/day</td>
<td>2012</td>
</tr>
<tr>
<td></td>
<td>Kuwait</td>
<td>2.8 million bbl/day</td>
<td>2012</td>
</tr>
</tbody>
</table>

**Mission**

To ensure America’s security and prosperity by addressing its energy, environmental, and nuclear challenges through transformative science and technology solutions.
Tucson Clean Cities
Designated Boundaries

80 Million Gallons Saved
2016 Gallons of Gasoline Equivalent Reduced

- Alternative Fuel Vehicles (94%)
- Off-Road Vehicles (0.4%)
- Idle Reduction (4.2%)
- Hybrid Vehicles (1.3%)
- Electric & Plug-In Vehicles (0.3%)

Total: 1,435,168 gallons

2016 Greenhouse Gas Emissions Reduced

- Alternative Fuel Vehicles (71%)
- Idle Reduction (21%)
- Hybrid Vehicles (6.2%)
- Electric & Plug-In Vehicles (0.7%)
- Off-Road Vehicles (1.0%)

Total: 3,601 tons
Membership/Connection

- Coalition Members
  Government/Schools/Tribes
  Sahuarro (dues paying)

- CNG Stations 3 public

- 4 DC Fast Charge Stations 72 Public L2 Stations (with more on the way)

- Social Media – Facebook-Website-Twitter
Clean Cities
Overcoming Barriers – Achieving Goals

• Price of Petroleum low
• Price of alternative fuels and vehicles high
• Unrest in the world
• Support for American Made
• EPAct Mandates
• Educated Fleet Managers
• Educated Community!!!
Growth-Funding-Connecting

- US DOE/NARC Aggregated Alternative Technology Alliance (AATA)
- Clean Fuels Ohio – Sub-receipient
- National Park Initiative Funding
- National Renewable Energy Lab (NREL) US DOE Mentor Program
  - New Work Order – Resource Guide
- Clean Cities Coordinator Grant/Sub-Grant Opportunities
- Smart Cities – not selected – However!
- US DOE Funding – FY18
- EPA Clean School Bus Funding – Marana Unified School District

In Process
- Clean Cities National Parks Initiative – Grant Canyon, Saguaro National – East and West
  - New OEM Opportunity!
- US DOE EV Everywhere Grant
- Sabino Canyon Tours

The 100th Anniversary of the National Parks System – The Grand Canyon
Clean Cities Portfolio of Technologies

Alternative and Renewable Fuels
- Biodiesel
- Electricity
- Ethanol (E85)
- Hydrogen
- Natural gas
- Propane

Fuel Economy
- Fuel efficient vehicles
- Driving habits
- Vehicle maintenance

Idle Reduction
- Technologies
- Behavioral changes

Trip Elimination
- Telecommuting
- Ridesharing
Clean Cities Strengthens Markets

- Connecting fleets with fuel providers and industry partners
- Training and information
- Technical assistance
- Funding
- Education and outreach to decision makers, fleets, and the public
FuelEconomy.gov

Welcome to My MPG!

We've created "My MPG" to help you calculate and track your fuel economy and compare it with EPA test ratings. You can also share your MPG with other users.

Benefits of Registering
If you register, you will be able to save your MPG information and view, edit, or update it later. You will also be able to share your MPG with others. FuelEconomy.gov retains no information that could be used to identify any individual with a user name or password.

As a non-registered guest, you still have access to all MPG tools, but you cannot save your data or share your MPG.

We Can Help You.
- Calculate Your MPG
- Maintain a Fuel Purchase Record
- Our Printable Form for Recording Fuel Purchases

Other Useful Tools
- Our Printable Form for Recording Fuel Purchases

Quick Picks
- Extreme MPG
- Motorweek Videos
- Best and Worst Fuel Economy
- Top 10 - Most Efficient Vehicles, Myths and more
- Developer Tools
- Find a Car Without

Tracking Your MPG Just Got Easier

Now you can enter your "MPG" data at the pump from your mobile device at fueleconomy.gov/

Alternative Fuels Station Locator
Colleen Crowninshield
1 East Broadway Suite 401
Tucson, AZ  85701

520-792-1093  X4426
520-440-0949  cell