

# Greener Alternatives for Transportation Corridors



## U.S. DOE Clean Cities Program

West Coast Collaborative Partners Meeting – May 30-31, 2012

**Stephanie Meyn**

Western WA Clean Cities Program Manager  
[StephanieM@pscleanair.org](mailto:StephanieM@pscleanair.org)

## **Clean Cities Mission**

To advance the energy, economic, and environmental security of the U.S. by supporting local decisions to reduce petroleum use in transportation.

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- Nearly 100 coalitions in 45 states
- 775,000 AFVs using alternative fuels
- 6,600 fueling stations

## Clean Cities Coalitions



## Clean Fleets Partners

AT&T  
Best Buy  
Coca-Cola  
Enterprise Holdings  
FedEx  
Frito-Lay  
GE  
Johnson Controls, Inc.  
OSRAM SYLVANIA  
Pacific Gas and Electric Company  
PepsiCo  
Ryder  
Schwan's Home Service  
Staples  
ThyssenKrupp Elevator  
UPS  
Veolia Environmental Services  
Verizon



Photos by Trish Cozart, NREL/PIX 19543, PIX 19544, PIX 19684



## WEST COAST GREEN HIGHWAY



## Interstate Clean Transportation Corridor



## AMERICA'S FIRST BIOFUELS CORRIDOR



The logo for Western Washington Clean Cities, featuring a green silhouette of the state of Washington with a white house and a tree inside, and the text 'WESTERN WASHINGTON CLEAN CITIES' in green and blue.

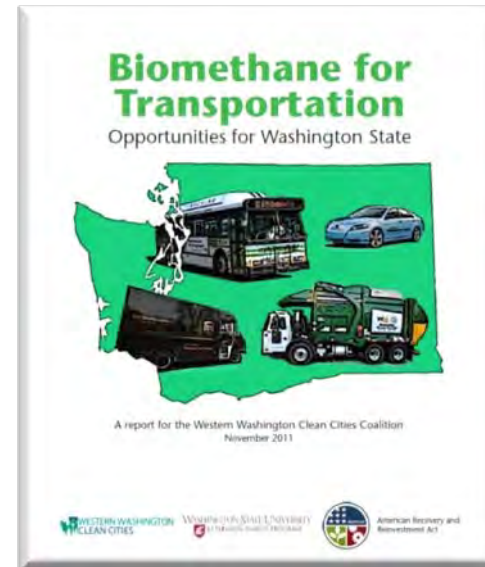
## WESTERN WASHINGTON CLEAN CITIES

- Connecting fleets with fuel providers and industry partners
- Training and information
- Technical assistance
- Stronger emphasis on fleet consultation and green certification programs
- Funding (Awarded \$15M in 2009)
- Education and outreach to decision makers, fleets, and the public



## WESTERN WASHINGTON CLEAN CITIES

- Biomethane for Transportation
- Clean Taxi Program
- Biomethane pilot projects
- Electric Vehicle publications, readiness plans, and outreach.
- Stronger focus on financing & leasing programs and connecting them to fleets



## Fuels and Stations



**Alternative Fueling Station Locator**  
Find alternative fueling station locations.



**Stations Custom Query**  
Search the U.S. alternative fueling station database.



**Total Stations Count**  
Find the number of fueling stations in the U.S. by fuel type.



**TransAtlas**  
Explore an interactive map displaying alternative fuel and vehicle data.



**BioFuels Atlas**  
Compare feedstocks and analyze biofuel production by location in this interactive map.



**Fuel Properties Search**  
Create custom charts comparing fuel properties.

## Vehicles



**Light-Duty Vehicle Search**  
Find and compare light-duty alternative fuel vehicles.



**Heavy-Duty Vehicle Search**  
Find and compare alternative fuel heavy-duty vehicles, engines, or hybrid propulsion systems.



**Vehicle Cost Calculator**  
Compare costs and emissions of alternative fuel, advanced, and conventional vehicles.

## Fuel Economy



**Truck Stop Electrification Locator**  
Find TSE site locations.



**Find a Car**  
Find and compare a vehicle's fuel economy rating, emissions, performance, and more.

## Fleets



**Fleet Experiences Search**  
Browse fleet experience stories by category.

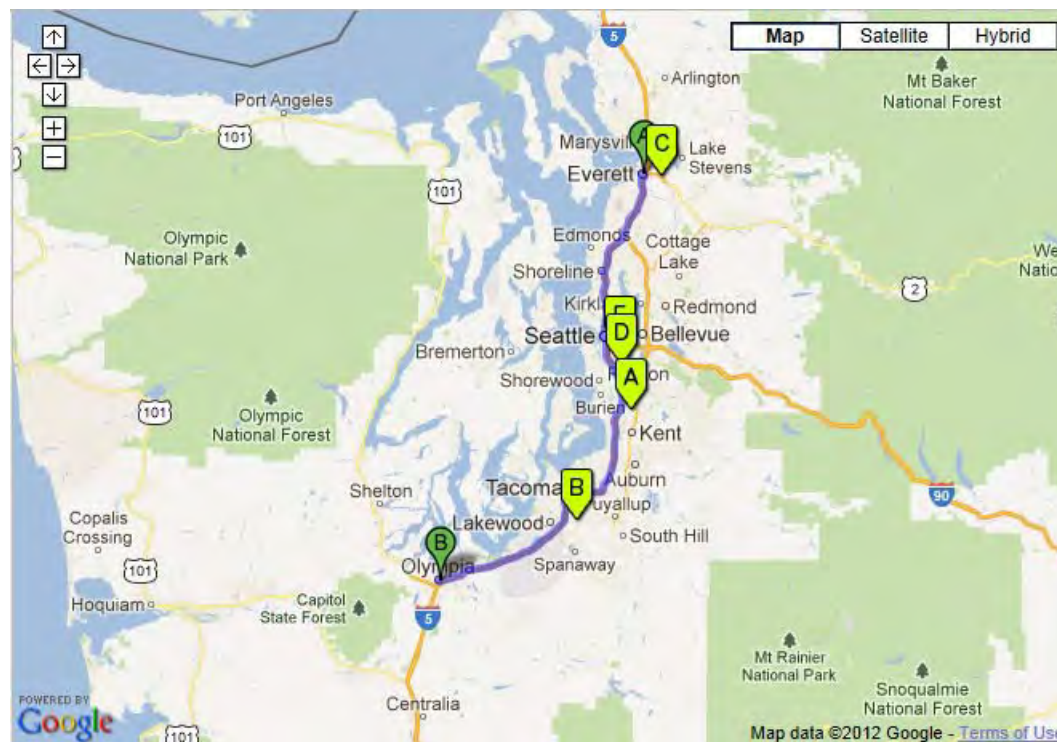


**GREET Fleet Footprint Calculator**  
Evaluate life-cycle petroleum use and GHG emissions.



**Petroleum Reduction Planning Tool**  
Forecast fleet petroleum reduction.

## Fueling Station & Corridor Locator



e.g. natural gas fueling stations between Everett and Olympia



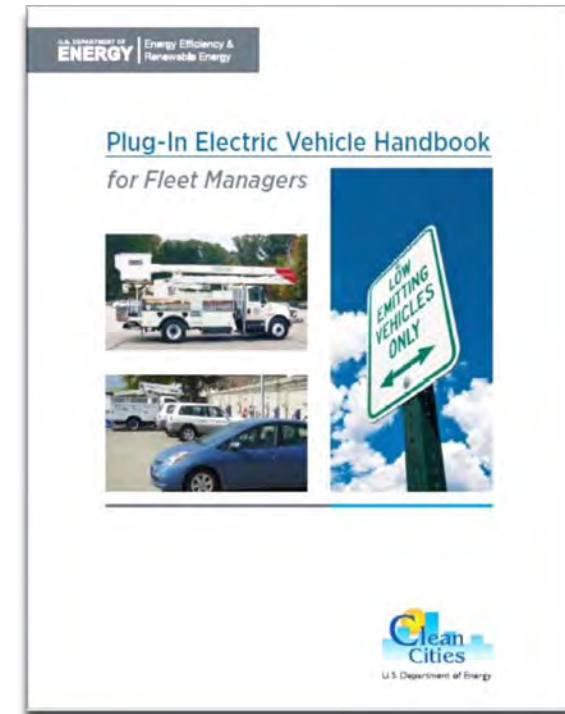
## New Tools

- Plug-In Electric Vehicle Handbook for Fleet Managers
- EVSE Residential Charging Installation Video and Permit Templates

## Coming soon from NREL:

Guide to Upgrading Maintenance Facilities and  
Maintenance Practices for CNG Fleets

Complete re-vamp of the Alt Fuel Station Locator



## Stephanie Meyn

**Western Washington Clean Cities Coalition**

(206) 689-4055

StephanieM@pscleanair.org



Clean Cities

[www.cleancities.energy.gov](http://www.cleancities.energy.gov)

Alternative Fuels & Advanced Vehicles Data Center

[www.afdc.energy.gov](http://www.afdc.energy.gov)

Clean Cities Coordinators and Coalitions

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