

Alternative Fuels, Clean Cities projects and Disaster Planning

NASEO State Energy Outlook Conference

February 6, 2013

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Hurricane Sandy Strikes the Northeast

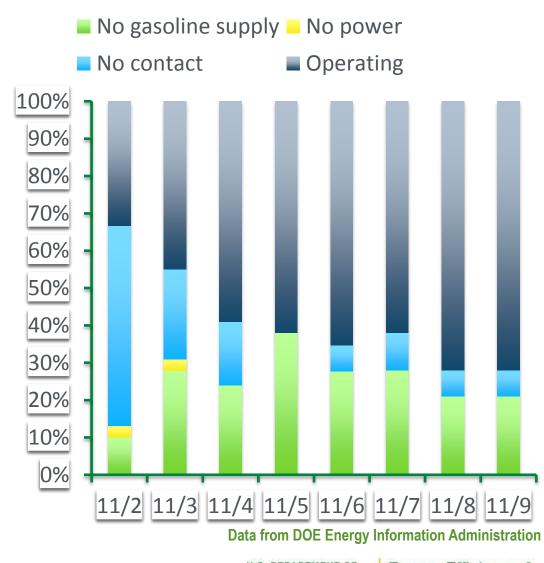
- October 2012 –
 Category 2 hurricane
- Made U.S. landfall near Atlantic City, NJ
- Storm surge floods portions of New York City
- Widespread power outages
- Petroleum refinery closures





Post-Sandy, Transportation Fuels in Short Supply

- Gasoline and diesel supplies limited after Sandy (especially in New York/New Jersey)
 - Some reported no power to run station
 - Some had no fuel to sell
- Some areas instituted gasoline rationing
- 21% of stations still had no fuel 11 days after hurricane





Alternative fuel vehicles keep rolling...

- Alternative fuel vehicles able to assist with preparation and recovery efforts
 - Not dependent on limited petroleum supplies





Atlantic City CNG Jitney Bus



Compressed Natural Gas Station in Connecticut

Backup generators at West Haven station enabled operation during power outages





Cleanup Efforts (Long Island, New York)







Importance of alternative fuel vehicles

- Hurricane Sandy recovery efforts showed value of alternative fuel vehicles/advanced technology vehicles
 - Able to provide critical services when conventional fuel supplies are interrupted
 - Alternative fuel supplies often remained available post-storm
- Important to include these vehicles in planning efforts
- Clean Cities Coalitions and Coordinators are a great resource
 - Informed about local alternative fuel landscape
 - Connected to key stakeholders





~100 coalitions Serving 78% of the US population



Thousands of stakeholders from businesses, city/state governments, transportation industry, community based organizations, utilities and fuel provider senergy Efficiency & Renewable Energy

Population: 3,783,366

Area: 6,599 sq. mi.

Boundaries: Counties: Clallam, Grays Harbor, Jefferson, King, Kitsap, Lewis, Mason,

Pacific, Pierce, San Juan Island, Skagit,

Snohomish, Thurston, Whatcom **Designated:** August 13, 1998

Alternative Fueling Stations:

Biodiesel (B20 and above): 23

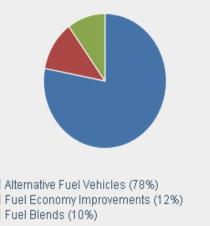
Natural Gas: 11 Ethanol (E85): 7 Electric: 67 Propane: 23

Annual Greenhouse Gas Emissions

Avoided:* 26,334 lb of CO₂

Annual Petroleum Savings:*

6,945,454 gasoline gallon equivalents





Western Washington Clean Cities



Stephanie Meyn Coordinator





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For More Information

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Alternative Fuels and Advanced Vehicles Data Center: www.afdc.energy.gov
Fuel Economy: www.fueleconomy.gov



