

Greater Philadelphia Clean Cities Program – Partnering With Local Public Entities

Greater Philadelphia Clean Cities Program (GPCCP)

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Prepared for “Greening the Government” Conference – June 4, 2003



Greater Philadelphia Clean Cities Program (GPCCP) - Background



- **Who are we?**
 - Coalition of private and public entities
 - Members include the following: utility companies (PECO, PGW); governmental entities (US DOE, PA DEP, City of Philadelphia, PA Turnpike Commission, County of Delaware); environmental organizations (Clean Air Council), local fleets (Lower Merion School District, Temple University), car manufacturers (Ford, GM), DVRPC and interested individuals.
- **What is our mission?**
 - Promote and increase the use of alternative fuel vehicles, particularly among vehicle fleets
 - Encourage the continued development of alternative fuel infrastructure in the region
 - Assist state, federal and utility fleets in meeting their EPA requirements
- **What are Alternative Fuels?**
 - Fuels other than gasoline or diesel
 - Examples: Natural gas, propane, biofuels (ethanol and biodiesel), electricity, hydrogen

Greater Philadelphia Clean Cities Program (GPCCP) - Background



- **Why promote Alternative Fuels?**
 - Cleaner air because of reduced emissions
 - Less foreign oil dependency
 - Help support local economies, particularly with biofuels
 - Pave the way for the Hydrogen future
- **What do we do?**
 - Outreach (e.g., meet with potential purchasers, participate in or organize public events)
 - Information resource
 - Advise policy makers
 - Administer rebates

A Public/Private Partnership - GPCCP and Governmental Agencies



- **History**
 - Energy Policy Act (EPA) passed in 1992, with a goal of reducing foreign oil dependency in the aftermath of the 1990 Persian Gulf War.
 - U.S. DOE began designating Clean Cities Coalitions in 1993 to help governmental agencies meet EPA requirements.
 - Since then the Coalitions have become more independent and have expanded their focus to include private fleets and individual consumers.
 - Philadelphia was the third Coalition to be designated (September, 1993)
 - GPCCP was incorporated as an independent, 501c3 nonprofit organization in 1997
 - Some National goals for the Clean Cities Program:
 - One million AFVs on the road by 2010
 - One billion gallons of gasoline gallon equivalents per year displaced by 2010

A Public/Private Partnership - GPCCP and Governmental Agencies



- **EPAct**
 - Requirements:
 - Federal fleets – 75% LDV purchases; 20% petroleum reduction goal by 2005 (per Executive Order 13149).
 - State & Alternative Fuel Provider fleets – 75% LDV for state; 90% LDV for alternative fuel providers. Must be larger than 50 vehicles and in a designated area, like Philadelphia.
 - Biodiesel credit – mandated fleets can meet up to 50% of EPAct.
 - Why EPAct? Lead by example.
- **What AFVs are agencies using?**
 - Flex Fuel ethanol vehicles (many choices but no infrastructure in PA)
 - Compressed natural gas (CNG) (Honda Civic, Ford Crown Victoria, Ford E-series vans and pickup, and Chevy Express van are among the available LDVs)
 - Biodiesel (great for heavy duty vehicles but fuel is more expensive)
 - Propane (primarily available for medium to heavy duty vehicles)

A Public/Private Partnership - GPCCP and Governmental Agencies



- **Working together**
 - Governmental agencies help GPCCP:
 - Become active stakeholders and members in the organization.
 - Provide AFVs for use in outreach events.
 - Serve as models for GPCCP to point to when approaching private fleets about the feasibility of using AFVs.
 - Offer valuable real-world information about the pros and cons of operating AFVs.
 - GPCCP helps governmental agencies:
 - Informational resource (e.g. refueling station directories, contacts with people in the AFV industry)
 - Working group meetings and newsletters provide the latest updates in the AFV industry.
 - GPCCP promotes exemplary agencies to the media and the local community.
 - Agencies are welcome to participate in public events hosted or organized by GPCCP.
 - Unfortunately, GPCCP cannot offer its rebates to EPAet-mandated fleets.

Greater Philadelphia Clean Cities Program (GPCCP) – Success Stories



- **Overall statistics**
 - Total AFVs: 2,437
 - Total AFVs not including E85 vehicles: 987
 - Total area public fueling stations: 30 (10 CNG; approximately 20 propane)
 - Oil displacement in 2002: 549,585 gallons (propane information was incomplete)
- **Governmental fleets**
 - GSA – 319 (36 CNG; 283 ethanol)
 - PA Turnpike Commission – 251 (104 biodiesel; 78 ethanol; 67 propane)
 - USPS – 758 (687 ethanol; 71 CNG)
 - Willow Grove Naval Air Base – 64 (34 CNG; 31 biodiesel)
 - PA DEP – 12 (all CNG)
 - Valley Forge National Park – 2 (both CNG)

Greater Philadelphia Clean Cities Program (GPCCP) – Success Stories



- **Utilities**
 - PGW – 304 CNG vehicles
 - PECO – 57 CNG vehicles
- **Other Success Stories**
 - Lower Merion School District (70 CNG buses)
 - Schwan's Sales Enterprises (24 converted propane delivery vans; another 65 to come)
 - City of Philadelphia (approximately 451 vehicles, primarily ethanol)
- **Current Projects**
 - Green Schoolbus Campaign
 - New natural gas station at the Airport
 - E85 (ethanol) station in Philadelphia
 - Heavy duty diesel fleets

Contact Information

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(GPCCP)**

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