

Kentucky Clean Fuels Coalition



Nature's Call To Action
Frankfort, Kentucky

April 14, 2016
Melissa M. Howell, Coordinator

Successes

- *Mammoth Cave National Park* – first with Teton to establish national park partnership
- *UPS* – (see upcoming slide)
- *TARC* – currently ten electric and 32 hybrid electric transit buses
more all electric Proterras on order
- *M&M Cartage* – CNG infrastructure expansion as well as own fleet and additional CNG users – ATT, RUMPKE, etc. B20 use as well
- *Zenith Motors* – Electric shuttle manufacturing – selling to CA & NY
- *Owensboro Community & Technical College* – project established two years ago with assistance from National Science Foundation grant (750K) KCFC led, brought horizontal integration to the project and additional dollars
- *Somerset, KY* – CNG (mid size city)
- *London, KY* – CNG (small size city)
- *Waste Management* – 82 CNG refuse trucks
- *First Responder Training* – representation from across state

Highlight Success - UPS



- Continued strong partnership statewide
 - 2015 – Lexington installed two CNG refueling sites to accommodate 50 CNG package vans and 74 Class 8 semis
 - 2016/2017 – Louisville/Worldport will add 12 CNG Class 8's with grant we wrote with EPA(\$499k) as well as infrastructure and additional trucks (\$4.8m) received from CMAQ
 - CNG trucks will also be placed in Atlanta and Montgomery as part of the EPA grant



Goal Achievement

- Streamlined focus: Natural Gas, Propane, Electric
- Coordinator succession planning included in annual report – will be addressing with Board of Directors in April
- Efficiency forced the industry



Natural Gas Workshop,
HB536 in Committee



Congressman John Yarmuth



Tesla Super Chargers, Sullivan
University

Opportunities & Challenges

- **Challenges**

- Continued horizontal integration across industries
- Coal state - Lack of state and utility incentives
- Biodiesel use not going over 5%

- **Opportunities**

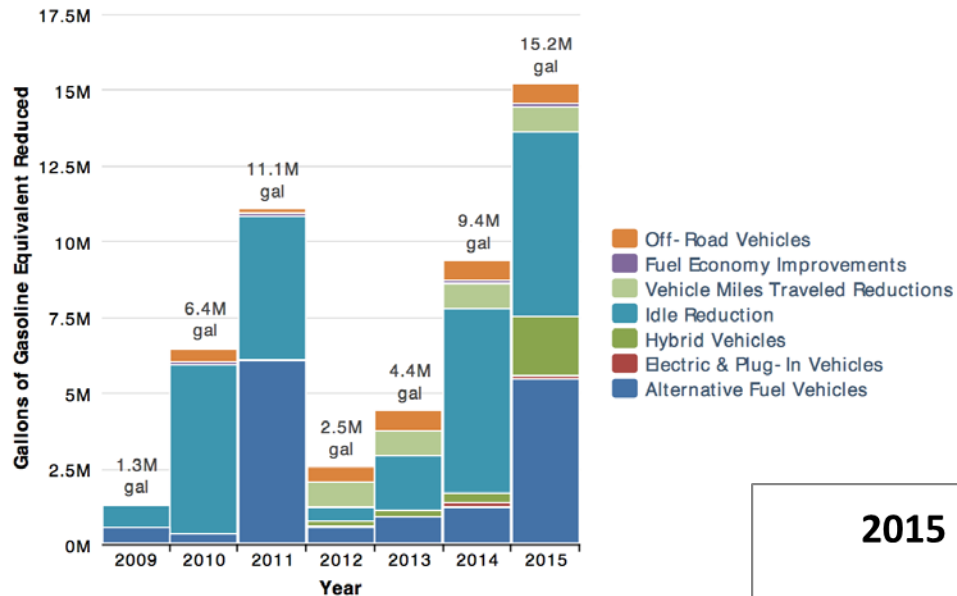
- EV Team
- Green Fleets of the Bluegrass
- Mercer Transportation – additional idle reduction
- Rumpke Waste Haulers – additional CNG trucks
- LPG School Buses
- Legislative opportunities (twice annually)

Petroleum Displacement Projects

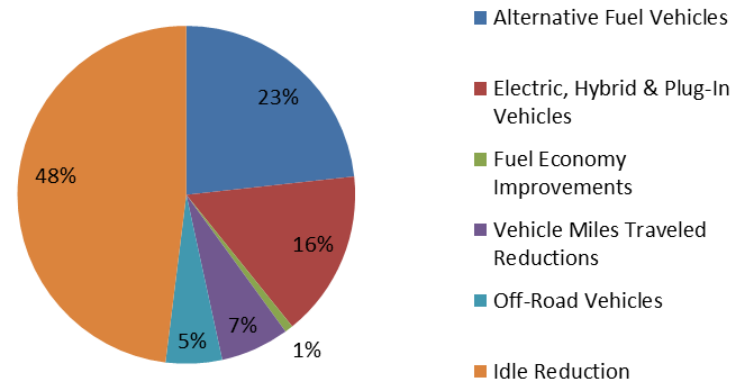
- Current Projects
 - Transit Authority of River City (TARC)
 - M & M Cartage
 - Zenith Motors
 - City of Somerset
 - City of London
 - UPS Lexington
- New Projects:
 - UPS Louisville (200 trucks/2.5 million GGEs annually)
 - Mercer Plug-Ins
 - LexTran
 - EV Charging Placement

Petroleum Displacement

Historical Gallons of Gasoline Equivalent Reduced



2015 Gallons of Gasoline Equivalent Reduced

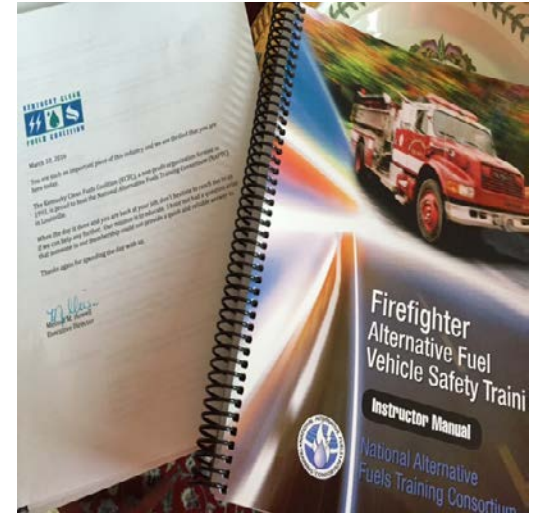


New Petroleum Displacement Projects: The Next 3 Years

Fuel Type	Project	Displacement (GGEs)
CNG	UPS Louisville (200)	2,513,700 GGEs
	Lextran (7)	29,000 GGEs
	Rumpke (7)	16,100 GGEs
	M & M Cartage (25)	694,500 GGEs
LPG	School Buses (15)	33,200 GGEs
EV	TARC Buses (7)	35,085 GGEs
	Lextran Buses (7)	74,300 GGEs
	Mercer (20)	53,100 GGEs
	TOTAL	3,448,985/annually



Outreach and Education Projects



Outreach and Education Projects

Target New Audiences

- KY League of Cities – more direct involvement with local governments/fleets
- Kentucky Legislature – House Bill introduced in current session





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