

Alt Fuels in Kentucky

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Kentucky Transportation Cabinet



- ▶ KY Division Office hosted a meeting, and HQ presented
- ▶ Identified Alt Fuel Corridors with 2nd Call for Applications
- ▶ 7 Alt Fuel Corridors were designated and 5 corridors are pending.

Alt Fuel	Ready	Pending
EV	3	2
CNG	2	3
LNG	1	
LPG	1	
Hydrogen	0	

- ▶ No signage yet - due to budget constraints.
 - ▶ Special Federal funding
 - ▶ FHWA CMAQ Money
 - ▶ P3 Partnership with KCFC

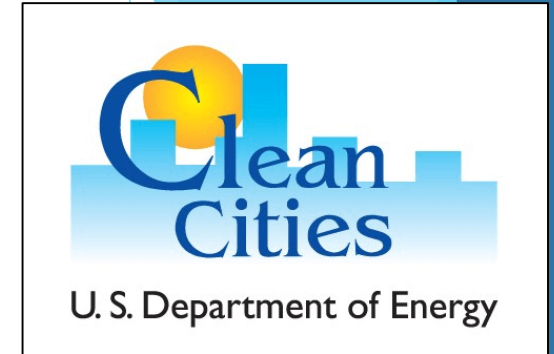




KY Clean Fuels Coalition

- ▶ Non-Profit funded by USDOE Clean Cities
- ▶ Fuel-Neutral - provide info on all fuel types
- ▶ Provide Education
- ▶ Provide Training
 - ▶ Alt Fuel Vehicle Technician Training
 - ▶ Alt Fuel Vehicle Firefighter Training
- ▶ Programs
 - ▶ Idle Free Kentucky Fleet Program
 - ▶ EV/PHEV Summer Study Program

www.kentuckycleanfuels.org



Provided funding for APCD to purchase EV 

Drive Clean Louisville (DCL) (founded 2017)



Participating Louisville Metro departments:



OPI²
Office of Performance
Improvement and
Innovation



OFFICE OF
SUSTAINABILITY
A Division of Develop Louisville

PARC, LG & E

- ▶ Works on Alternative Fuel Projects
 - ▶ Focused on Electric Vehicles
- ▶ Prepared DOE applications
 - ▶ (unsuccessful, but good groundwork - initiated the group)
- ▶ Submitted ideas to Electrify America
 - ▶ for-profit company owned by VW created as part of the VW Zero Emission Vehicle Settlement
- ▶ Community EV Survey
 - ▶ included Crowd-Sources map of desired charging station
- ▶ KY Drive Electric Week Participant
- ▶ Partnered with Local EV Owners group: **Evolve**

<https://louisvilleky.gov/government/air-pollution-control-district/drive-clean-louisville>

<https://youtu.be/L8Hm1cDpYvs> (2-minute video)

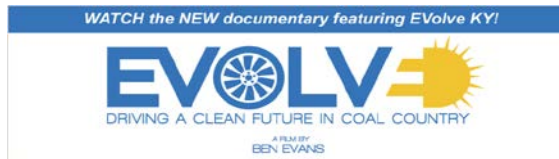
Provided funding
EV fueling station



Evolve



- ▶ Owners of EV and EV enthusiasts
- ▶ “Adopt a Charger” program
 - ▶ Find the location and the sponsor
 - ▶ Benefit to sponsor is the get tax-deduction, and their logo on the charger
 - ▶ Level 2 charger: \$5,000-\$9,000
- ▶ Provide an EV Charger Map
- ▶ “Driving a Clean Future in Coal Country” video documentary



KY's Other Alt Fuel Initiatives

Volkswagen Settlement Proposal

- ▶ 80% Transit Buses
 - ▶ Replace/repower w new diesel, alt fuel
 - ▶ Repower or purchase all-electric vehicles
- ▶ 15% Light Duty Zero Emission Vehicle Supply Equipment
 - ▶ Level 1, 2, and DC Fast Charging equipment
- ▶ 5% Administration Costs

Solar Power, Pikeville, KY (2018)

- ▶ Using Coal (Flat Top) Mining surface for solar panels.
- ▶ Coal History Museum is powered with solar panels
- ▶ EnerBlu, Inc
 - ▶ Corporate HQ & R & D facility, Lexington, KY
 - ▶ Energy Innovation Park, Pikeville, KY

Gas-To-Liquid (GTL) plant, Somerset, KY (2020)

- ▶ 1st one in the United States, Only 3 in the World,
- ▶ Will produce high-value, full-synthetic waxes, base oils and solvents from natural gas
- ▶ Extiel-GPC, LLC

