Alt Fuels in Kentucky

Bernadette Dupont, FHWA-KY
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.

<table>
<thead>
<tr>
<th>Alt Fuel</th>
<th>Ready</th>
<th>Pending</th>
</tr>
</thead>
<tbody>
<tr>
<td>EV</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>CNG</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>LNG</td>
<td>1</td>
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</tr>
<tr>
<td>LPG</td>
<td>1</td>
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<tr>
<td>Hydrogen</td>
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</tbody>
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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
Drive Clean Louisville (DCL) (founded 2017)

- 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)
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**


- 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