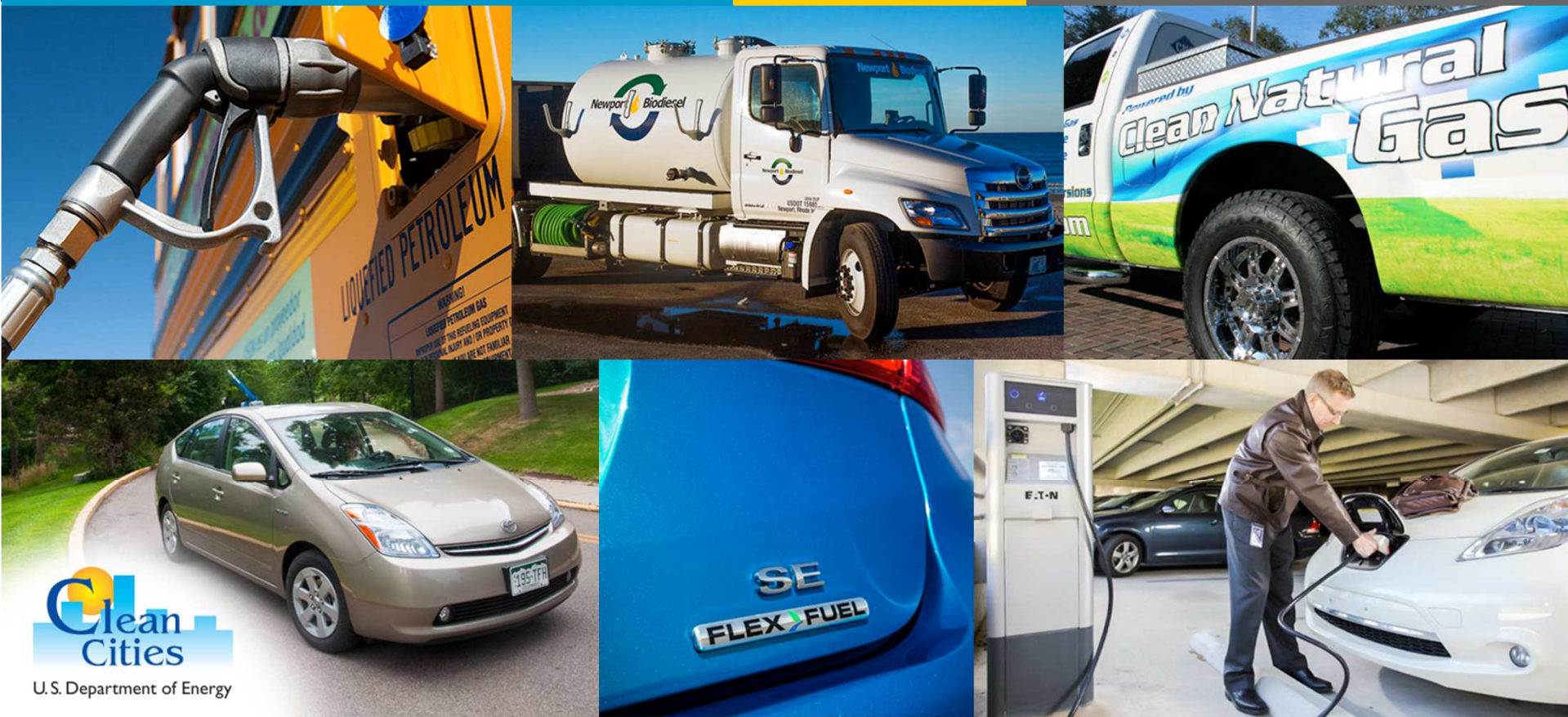


Clean Cities Coordination

U.S. DEPARTMENT OF **ENERGY** | Energy Efficiency & Renewable Energy

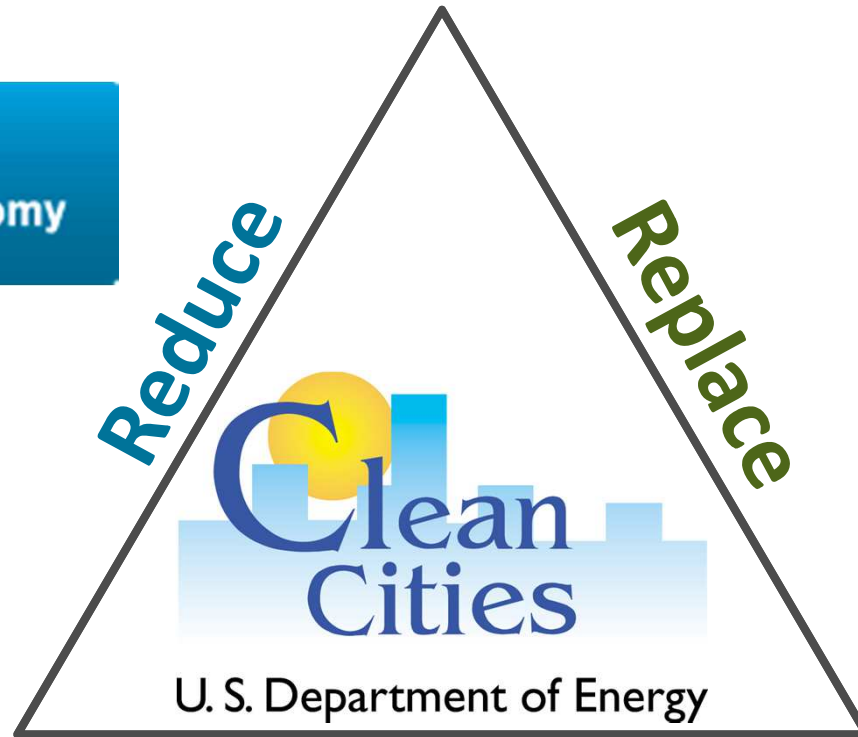


Texas Clean Air Working Group
Volkswagen Settlement Workshop

January 17, 2018

Lily Lowder
Alamo Area Council of Governments

Clean Cities Portfolio



Eliminate



Clean Cities: Making Connections



Clean Cities coalitions are locally based with the ability to tap national resources.

Technical & Problem Solving Assistance To Clean Cities

- **Argonne National Laboratory** – Provide Direct Technical Expertise, Develops & Operates Emissions Modeling Tools, and Manage CC Intern Program.
- **Idaho National Laboratory** – Advanced Vehicles Technology
- **National Renewable Energy Lab** – Manages Alternative Fuels Data Center, Supports Clean Cities Programs
- **Oak Ridge National Lab** – Researches Fuel Economy
CC Also Works with U.S. EPA & FHWA, including the
- **(DOT) Volpe National Transportation Lab** – which works closely with U.S. DOE on Providing Cross Disciplinary Expertise

Clean Cities National Clean Fleets Partnership



- Helps Large Private Fleets Significantly Cut Petroleum Use
- Provides Tools, Expertise and Technical Support to Incorporate Alternative Fuels and Fuel-Saving Measures
- Positions Partners as Pace-Setters for Others to Follow

More Than 25 Partners



More up-to-date information may be available. See the Clean Cities website:

<https://cleancities.energy.gov/fleets>

Local Partnerships: Clean Cities Coalitions



Nearly 100 Local Coalitions

15,000

Stakeholders

52% Private

48% Public



Dallas-Fort Worth
CLEAN CITIES



Nearly 500,000
Alternative Fuel
Vehicles (AFVs)



Alamo Area Clean Cities – Key Efforts

Alternative Fuels and Vehicles

- Fuel Neutral

Outreach Activities

- Meetings, Workshops, Media Events,
and Conference Participation

Works with MPO, Military and City Public Services

Monthly Newsletter to inform Stakeholders



Clean Cities Coordinator: Lily Lowder, 210-362-5277

llowder@aacog.com

www.aacog.com/102/Alamo-Area-Clean-Cities-Coalition/



Dallas-Fort Worth Clean Cities – Key Efforts

Subgrants for Alternative Fuel and Vehicle Replacement Activities

- Approximately \$51 Million Since 2006
- Public and Private Fleets
- Heavy-Duty CNG, Electric, Propane



Dallas-Fort Worth
CLEAN CITIES

Electric Vehicles North Texas

Webinars or Meetings Approximately Once a Month

Clean Cities Coordinator: Lori Clark, 817-695-9232

cleancities@nctcog.org

www.dfwcleancities.org



Houston-Galveston Clean Cities – Key Efforts

Alternative Fuel and Vehicle Replacement Activities:

- **\$90M** - Approx. 3,300 public/private vehicle
 - Marine engines, tug/tow, & ferries
 - Construction equipment, and
 - Alternative fuel stations.
- **\$12M in SEP funding supporting Clean School Bus Program**
 - replacing over 350 buses (111 use either LPG or LNG).
- **\$26.6M in Loan and Grant funds in Drayage Program,**
 - replaced 224 trucks.
- **Funded 18 Plug-In 100% EV Delivery Vehicles.**
- **Outreach Activities: webinars, meetings, & conferences**



Clean Cities Coordinator: Shelley Whitworth, 713-499-6695

cleancities@h-gac.com

Houston-CleanCities.org



Lone Star Clean Fuels Alliance – Key Efforts

Coverage Area: Bastrop, Caldwell, Hays, Travis, Williamson Counties, City of Temple & Fort Hood



Grant recipient funding for training workshops, tank installation, education and outreach

Assistance provide to fleets for Alternative Fuel and Vehicle Replacement Activities & Station Building

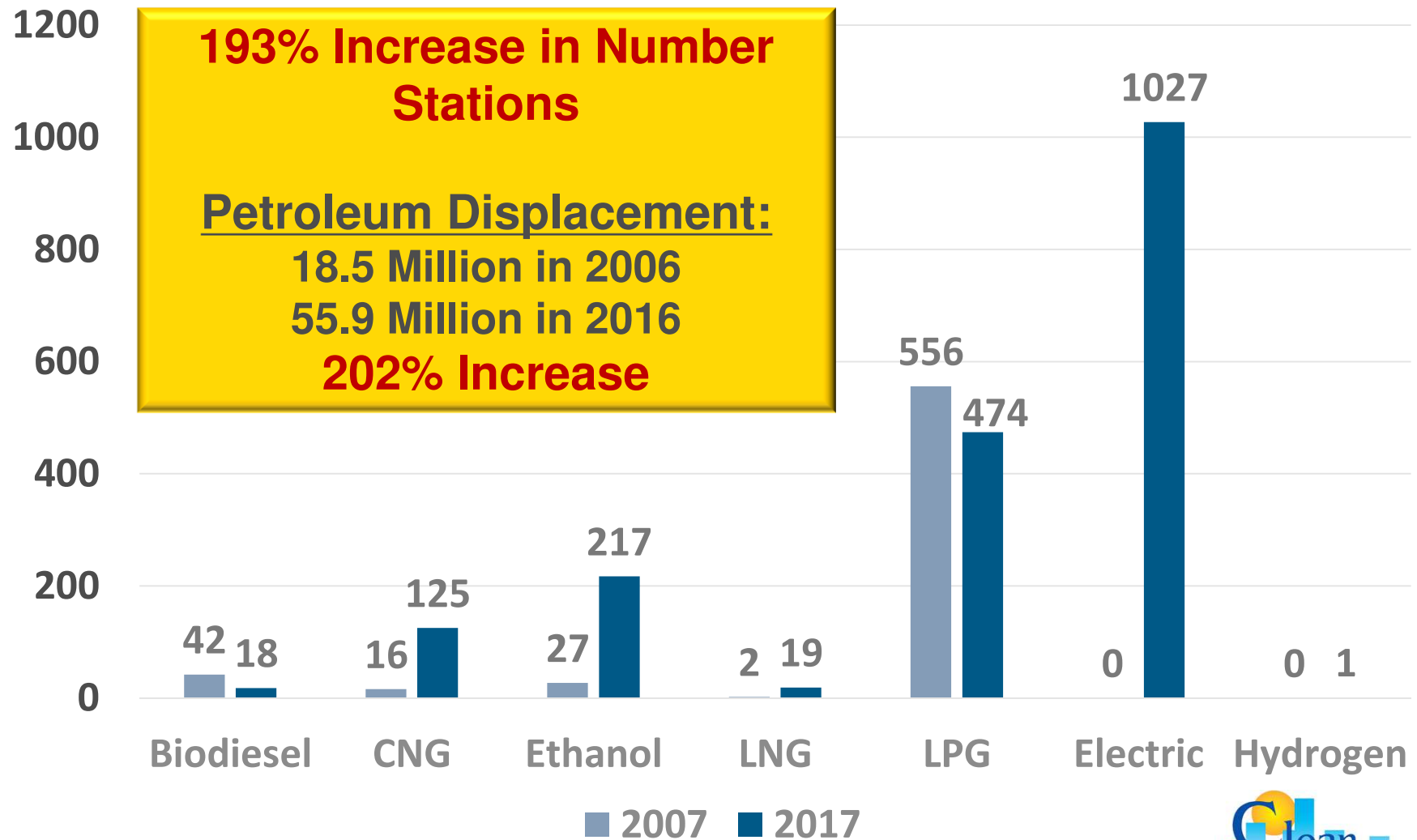
Fleet Manager Meetings, AFV & Smart Technology Workshops and Experiences throughout the year

**Clean Cities Coordinator: Elizabeth Munger, 512-694-1004
elizabeth@lonestarcfa.org
lonestarcfa.org**



Alternative Fuel Growth Over Last Decade

Number of Alternative Fuel Stations



Texas Coalitions – Volkswagen Coordination

Collecting Fleet Project Interest Through Annual Survey

- Fleet Responses due in February 2018

Vehicle Technology Workshops and Technical Information

- Workshop Series Early April
- Workshops Organized by Sector
 - Delivery/Other Local Freight Trucks
 - Port Trucks & Off-Road Equipment
 - Refuse Haulers/Dump Trucks/Cement Mixers
 - School Buses
 - Transit & Shuttle Buses
- **All Available by Webinar**

Contact your local Clean Cities Coalition for more information

For More Information

Alamo Area Clean Cities

Lily Lowder

210-362-5277

Llowder@aacog.com

<http://www.aacog.com/102/Alamo-Area-Clean-Cities-Coalition>

Dallas-Fort Worth Clean Cities

Lori Clark

817-695-9232

cleancities@nctcog.org

www.dfwcleancities.org

Houston-Galveston Clean Cities

Shelley Whitworth

713-499-6695

cleancities@h-gac.com

www.Houston-cleancities.org

Lone Star Clean Fuels Alliance

Elizabeth Munger

512-694-1004

Elizabeth@lonestarcfa.org

www.lonestarcfa.org

Bulk Orders: Statement of Intent

Bulk Orders: Statement of Intent

Promotion of Bulk or Group Purchases

- Helps to more easily document emission reductions
- Lower costs
- Encourage more production of cleaner zero or near-zero emission technologies
- Attract more manufacturing interest in the State of Texas

Bulk Orders: Statement of Intent

Promotion of Bulk or Group Purchases

- Some Clean Cities coalitions throughout the U.S. have been involved in joint purchase efforts. One example is the Fleets for the Future initiative at the National Associate of Regional Councils (NARC) and NCTCOG.
- Funding formulas need to be amended to incentivize cleaner technologies.
- Cooperative purchasing agencies do not directly procure joint purchases, however entities such as H-GAC Buy can assist or provide guidance during this process.