Electric Vehicle and Natural Gas Vehicle Data Collection Projects

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May 2020 Public Meeting
Driving Electrification Through the Power of Data

Electric Vehicle Widescale Analysis for Tomorrow’s Transportation Solutions

www.evwatts.org
$4M Department of Energy (DOE) Award for National Project Led by Energetics

Collect real-world use data from 1,600 plug-in electric vehicles (PEVs) and 10,000 charging stations nationwide

Validate, clean, anonymize (remove all personally identifiable information), analyze, and summarize data

Share aggregated data with DOE and national laboratories

Share public summaries throughout project; anonymized public dataset at end of 2022
Awarded as Regional Project Partner

One of Ten Clean Cities Partnering Nationwide

Goals:

Gather and Secure Regional Data Partner Commitments from Organizations, Fleets, and Projects Representing a Variety of Applications

Monitor and Facilitate Additional Data Collection Over Project Years

Disseminate Study Results and Individual Fleet Analysis Reports
PEV AND CHARGING STATION DATA COLLECTED

**Vehicles**
- All-electric and plug-in hybrid electric vehicles
- Light-, medium-, and heavy-duty vehicles
- Trip-level, longitudinal vehicle data (from telematics)

**Charging Infrastructure**
- AC Level 2 and DC fast charge
- Various sites: corridors, workplace, multi-unit dwellings, curbside, fleet, commercial, etc.
- Session-level or interval-level data

Variety of geographic areas, climates, and topography
To Become a Data Partner You Must Have One or More of the Following:

- PEVs
  - Have Telematics that Tracks Trip Level, Longitudinal Data
  - OR, Willing to Install Free Data Loggers on Your Vehicle
- Charging Stations that Track Session Level or Interval Level data

Participating Fleets Will Receive:

- Individualized Reports and Trend Analysis

Contact Cleancities@nctcog.org To Become a Data Partner
Natural Gas Vehicle U.P.-T.I.M.E. Analysis

Updated Performance Tracking
Integrating Maintenance Expenses

https://www.cleanfuelsohio.org/ngv-uptime
$500k Department of Energy (DOE) Award for National Data Collection Project Led by Clean Fuels Ohio

Quantify differences in maintenance costs between diesel and natural gas vehicles (NGVs)

Determine maintenance cost changes/improvements of newer generation NGVs compared to older generation NGVs

Capture impacts of different technology solutions and best practices that impact/reduce maintenance costs
DFW CLEAN CITIES ROLE

Awarded as Regional Project Partner
One of Five Clean Cities Partnering Nationwide

Goals:
- Recruit Fleet Data Partners
- Facilitate Execution of Data Sharing Agreements
- Disseminate Study Results and Individual Fleet Analysis Reports
BECOME AN NGV U.P.-T.I.M.E DATA PARTNER

**Fleet Type:** Freight and Goods Movement

**Vehicle Types:** Medium- and Heavy-Duty Natural Gas and Diesel

**Repair Data to Provide:** Cost, Frequency, and Type

**Participating Fleets Will Receive:**
- Study Analysis – Aggregate Data
- Individualized Analysis of Their Operation

Contact Cleancities@nctcog.org To Participate
FOR MORE INFORMATION

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