

# Electric Truck & Bus Challenge

## Data Resources

### Air Quality and Environmental Data

#### **Air Monitoring Sites in New York State - [Link Here](#)**

Source: **New York State Department of Environmental Conservation (DEC)**

Interactive map shows real-time ambient air monitoring stations throughout New York State and indicates when station is located near a road that may influence readings. Map may be useful for gathering information on current air quality conditions and can be combined with historic air pollution data (link below) to determine trends and/or patterns.

#### **DECinfo Locator – [Link Here](#)**

Source: **New York State Department of Environmental Conservation**

Interactive map shows a variety of information collected by the Department of Environmental Conservation pertaining to permits and registrations, environmental cleanup, environmental monitoring, public involvement, environmentally sensitive areas, and legal information. Map may be useful for locating various sites of interest such as landfills, treatment facilities, and remediation locations. The map includes a Search function and reference layers like county, city, and tax parcel boundaries.

#### **Greenhouse Gas Emissions – [Link Here](#)**

Source: **Center for Neighborhood Technology, Housing and Transportation Index**

Interactive Map shows GHG emissions per acre and per household throughout the United States and can be filtered by address, city, county, or zip code. Map highlights the difference between household auto emissions in urban neighborhoods versus less urban, car-dependent neighborhoods. Information may be useful for determining the impact of transportation routes.

#### **New York State Ambient Air Quality Report – [Link Here](#)**

Source: **New York State Department of Environmental Conservation**

Annual reports provide summary tables of historic air pollution data at air quality monitoring sites across the state for each year from 2009 to 2019. The reports include sulfur dioxide, inhalable particulates, ozone, nitric oxide, and nitrogen dioxide for each monitoring station. Each report shows the data from the previous 10 years, so information from as far back as 1999 can be found using the 2009 report. Reports may be helpful in determining changes in air quality over the past 20+ years and can be used in conjunction with the real-time air quality information above.

#### **Hazardous Air Pollutants, Monitor Values Report – [Link Here](#)**

Source: **US Environmental Protection Agencies**

Data provides summaries of hazardous air pollutants at individual air quality monitoring sites across the country. Data must be filtered by year, going back to 1980, before filtering by location (state, city, or county). Data may be useful for determining trends and patterns in hazardous air pollutants over time at various locations across the state.

## Fleet Data

### **EV Fleet Station Network, New York City – [Link Here](#)**

Source: **NYC Open Data**

Data table provides information on the location of the 650+ fleet charging stations for the city of New York. The data is updated monthly. Data may be useful for determining concentration and distribution of fleet charging stations in the city of New York.

### **Taxi and Limousine Commission (TLC) FastDash Dashboard – [Link Here](#)**

Source: **TLC**

Dashboard provides data on all TLC-registered vehicle trips beginning in 2014. Data can be filtered by type of vehicle or date range and includes the data bank and source code, which can be downloaded as needed. Information may be helpful in determining use trends and patterns.

### **TLC Trip Record Data – [Link Here](#)**

Source: **TLC**

Monthly data tables with individual trip-level information for each type of vehicle – Yellow Taxi, Green Taxi, For-Hire Vehicles, and High Volume For-Hire Vehicles. Information may be useful for determining trip duration, mileage, and location information. *Note: Below the list of data tables, the linked site also includes data dictionaries and a user guide that may help explain the data provided. NYC Open Data has the same data, by year and vehicle type, [here](#) which can be filtered prior to download to avoid extremely large file sizes.*

## Vehicle and Charging Data

### **Evaluate NY – [Link Here](#)**

Source: **Atlas Public Policy**

Dashboard provides data gathered from a variety of sources (US Department of Energy, US Census Bureau, the New York State Department of Motor Vehicles, EV charge station companies) to provide information on the state of the electric vehicle market in New York. Dashboard may be helpful for gathering data on DMV registrations, demographic information, and charging station locations and information. *Note: the yellow ribbon on the right allows you to filter by various criteria, including location by county, zip code, or urban/non-urban. Click Home > Go in the upper right to return to the home overview page.*

## Miscellaneous Data

### **Access to Jobs and Workers via Transit – [Link Here](#)**

Source: **US Environmental Protection Agency**

Data provides information on accessibility to jobs or workers via public transportation at the census block level. Data reflects public transit service as of December 2012 and employment counts from 2010. Data may be useful for determining commuting challenges and changes in transit patterns when coupled with current information.

## **National Historical Geographic Information System (NHGIS) – [Link Here](#)**

Source: **National Historical Geographic Information System**

Data source provides summary tables and GIS files for demographic, economic, and agricultural information going back to 1790. Data may be helpful for determining shifts and trends over time and can be combined with current data as needed. Users can filter through files and download relevant datasets. *Note: At the top of the page after you click > Get Data is a PDF User Guide that may help sort through all the data available.*

## **New York State GIS Data – [Link Here](#)**

Source: **New York State GIS Program Office**

Database provides links to all GIS datasets collected and maintained by New York State agencies. The Advanced Search option allows users to search database by county, sector (such as academia, local government, non-profit, etc), and/or theme (such as land use/land cover, transportation, facilities, and boundaries) in addition to searching by dataset name or the agency that manages the dataset. Database may be useful for finding a number of transportation and land use datasets, and includes a number of reference datasets as well.