



Dataset on Electric School Bus Adoption

VERSION 4 | FEBRUARY 2023

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New Data

We added the following variables to the dataset. Except where otherwise indicated, these data were already available at the appropriate spatial scale, or were transformed to the appropriate scale in previous versions of the dataset, so no transformation or analysis was needed to add them.

In Sheet 1. District-level data:

- 2d. Total number of buses (WRI, 2022 (forthcoming). "Dataset of U.S. School Bus Fleets.")
- 2j. In WRI state fleet dataset?
- The variable previously called "Fleet ownership structure" is renamed "2i. Third party involved"
- 5c. Quartile: percent non-white and/or Hispanic
- 5e. Quartile: percent low-income
- 5g. Quartile: PM 2.5
- 5i. Quartile: Ozone
- 5k. Average rate of asthma among adults aged 18 and older (weighted average of all census block groups in the school district. Data from PLACES)
- 5l. Quartile: Average rate of asthma
- 5o. WRI Priority Outreach District (POD)?
- 6h. District contains Generation180 Solar School? (NCES school IDs of Solar Schools were aggregated up to the district-level)
- 6i. Participating in Trust for Public Land's Active Community Schoolyard Program (as of 2022)?
- 7a. Source 5

In Sheet 2. Bus-level data

- 7a. Source 6

In Sheet 6. State school bus fleets

- 11c. Total school buses (WRI, 2022)
- 11h. Percent committed ESBs (WRI, 2022)

Updated Data

The following variables have been substituted with more recent data.

In Sheet 1. District-level data:

- 3a. Number of ESBs committed
- 3b. Has delivered or operating ESBs?
- 3c. Number of ESBs awarded
- 3d. Number of ESBs ordered
- 3e. Number of ESBs delivered
- 3f. Number of ESBs operating
- 3g. Number of batches*
- 3h. Size of batch 1*
- 3h. Size of batch 2*
- 3h. Size of batch 3*
- 3h. Size of batch 4*
- 3i. Percent of fleet that is electric
- 3j. Government agency involved (non-funding)
- 3k. Utility/Energy company involved 1
- 3k. Utility/Energy company involved 2
- 3k. Utility/Energy company involved 3
- 3l. Other groups involved 1
- 3l. Other groups involved 2
- 3l. Other groups involved 3
- 3m. Other notes
- 4d. Percentage of schools in district that are Title I schoolwide eligible (2021-22)
- 7a. Source 1
- 7a. Source 2
- 7a. Source 3
- 7a. Source 4

In Sheet 2. Bus-level data:

- 1f. City
- 2l. Fleet operator 1 (if applicable)
- 2l. Fleet operator 2 (if applicable)
- 3a. Number of ESBs committed
- 3n. Current status of bus
- 3o. Batch*

- 3p. Quarter awarded
- 3q. Quarter ordered
- 3r. Quarter delivered
- 3s. Quarter first operating
- 3t. Bus OEM
- 3u. Electric powertrain manufacturer
- 3v. Model
- 3w. Type
- 3x. Dealer
- 3y. Multiple funding sources used?
- 3z. Funding source 1
- 3aa. Agency administering funds
- 3z. Funding source 2
- 3aa. Agency administering funds 2
- 3z. Funding source 3
- 3aa. Agency administering funds 3
- 3z. Funding source 4
- 3aa. Agency administering funds 4
- 3ab. Dollar amount toward bus
- 3ac. Charging company
- 3ad. Charging funding source
- 3ae. Dollar amount toward charger
- 3af. Notes 1
- 3af. Notes 2
- 7a. Date of most recent source
- 7b. Source 1
- 7b. Source 2
- 7b. Source 3
- 7b. Source 4
- 7b. Source 5

In Sheet 3. Utilities

- 1a. State
- 1b. LEA name
- 1c. Local Education Agency (LEA) ID

In Sheet 6. State school bus fleets:

- 11c. Number of committed ESBs
- 11h. Percent committed ESBs
- 11i. Average of percentages of committed ESBs (Atlas, School Bus Fleet, Federal Highway Administration, WRI)
- 11j. Range of lowest percentage to highest percentage of committed ESBs

*The methodology for assigning buses to batches has been updated, but the source remains the same. See technical note for details.

Removed data

The following variables have been removed as we determined they were out of date or no longer relevant.

In Sheet 1. District-level data:

- 2a. Ranking of school bus fleet size
- 2c. Number of route buses
- 2d. Annual route mileage
- 2e. Estimated annual route mileage per bus
- 2f. Estimated daily route mileage per bus
- 2g. Estimated number of students transported daily
- 2i. Starting hourly pay for drivers
- 2j. Labor shortage
- 2k. Unionized?