Log of changes: Dataset on Electric School Bus Adoption, Version 3 (Summer 2022)

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New Data

We added the following variables to the dataset. These data were already available at the appropriate spatial scale (school district, bus, or state), so no transformation or analysis was needed to add them to the dataset.

In Sheet 1. District-level data:

- Number of ESB batches* in school district
- Size of batch 1
- Size of batch 2
- Size of batch 3
- Size of batch 4
- Percent of fleet that is committed electric

In Sheet 2. Bus-level data:

- Batch Number

In Sheet 6. State school bus fleets

- Total school buses (Source: School Bus Fleet Magazine)
- Total school buses (Source: Federal Highway Administration)
- Percent of committed ESBs as a share of School Bus Fleet Magazine total
- Percent of committed ESBs as a share of Federal Highway Administration total
- Range of lowest percentage to highest percentage of committed ESBs
- Average of percentages of committed ESBs (Atlas EV Hub, School Bus Fleet Magazine, Federal Highway Administration)
- Pupil transportation requirement (Yes, No, Partial)
- Details of pupil transportation requirement
- School transportation funding method
- Source of pupil transportation requirement and funding method data

*Batch definition: Electric school buses are in the same batch if any of their time-series data (when they were first awarded, ordered, delivered, or operating) occurred in the same quarter or in adjacent quarters (ie. Q1 2020 and Q2 2020).

Substituted Data

The following variables have been updated with more recent data.

In Sheet 1. District-level data:

1b. LEA Name
1d. Street address 1
1e. Street address 2
1f. City
1h. ZIP Code
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. Government agency involved (non-funding)

3h. Utility/Energy company involved 1

3h. Utility/Energy company involved 2

3h. Utility/Energy company involved 3

3i. Other groups involved 1

3i. Other groups involved 2

3i. Other groups involved 3

3j. Other notes

7a. Source 1

7a. Source 2

7a. Source 3

7a. Source 4

The following variables previously contained unweighted averages that were labeled as population-weighted averages. The data have now been corrected to be population-weighted.

5b. Percent non-white and/or Hispanic

5c. Percent low-income (200% of federal poverty level)

5f. PM 2.5

5g. Ozone

In Sheet 2. Bus-level data:

1b. State

1d. Street address 1

1e. Street address 2

1f. City

1h. ZIP Code

2l. Fleet operator 1 (if applicable)

2l. Fleet operator 2 (if applicable)

3a. Number of ESBs committed   3k. Current status of bus

3l. Quarter awarded

3m. Quarter ordered

3n. Quarter delivered

3o. Quarter first operating

3p. Bus OEM

3q. Electric powertrain manufacturer

3r. Model

3s. Type

3t. Dealer

3u. Multiple funding sources used?

3v. Funding source 1

3w. Agency administering funds

3v. Funding source 2

3w. Agency administering funds 2

3v. Funding source 3

3w. Agency administering funds 3

3v. Funding source 4

3w. Agency administering funds 4

3x. Dollar amount toward bus

3y. Charging company

3z. Charging funding source

3aa. Dollar amount toward charger

3ab. Notes 1

3ab. 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 4. Counties

1b. LEA Name

1c. LEA ID

9a. County name (State)

9b. County FIPS Code

9c. Number of counties in LEA

In Sheet 5. Congressional dist.

1b. LEA Name

1c. LEA ID

10a. Congressional district

10b. Congressional district code

10c. Number of congressional districts in LEA

In Sheet 6. State school bus fleets:

11c. Number of committed ESBs

11d. Percent committed ESBs