

# Building Electrification State Factbase User Guide

The Building Electrification State Factbase is a folder system with relevant information across a variety of metrics useful for the analysis of buildings decarbonization and electrification.

**Contents:** The Factbase contains over 1,600 datasets accessed from 14 data sources, including 4 APIs.

**Geographic Availability:** Data is available for the 48 continental states and Washington DC. National aggregates also exist for each metric when feasible.

**Updates:** The Factbase datasets will update themselves automatically when connected to an API. However, when "one-off" studies are used for data, it will be noted in the associated data documentation.

The following guide will show users each level of the Factbase, and the decisions you can make along the way to identify data that may be relevant to your analytical work.

## 1. Choose between spreadsheets and visualizations:

The Factbase contains both excel spreadsheets and graphical visualizations. If you would like to dive into the raw data, you will find it available in the spreadsheets tab. If you would like to see high-level visualizations, please refer to the visualizations tab and identify your preferred region. There is also a list of all data sources in a word document if you would like to quickly identify a data field.






### Documents > State Factbase

 Name ▾	Modified ▾	Modified By ▾
  Spreadsheets	2 hours ago	Ryan Iyer
  Visualizations	2 hours ago	Ryan Iyer
  List of All Data and Sources.docx	2 hours ago	Ryan Iyer
  User Guide - State Factbase.docx	2 hours ago	Ryan Iyer

## 2. Choose Geographic Scope


















Both the spreadsheets and visualizations tab will let you choose a region of interest. There are state-level folders for the 48 continental states + DC, as well as a folder containing nationally aggregated data. The national data tab contains data for all 50 states, though differences with continental state data should be negligible.

## > State Factbase > Spreadsheets

 Name ▾	Modified ▾	Modified By ▾
  National Data	Yesterday at 11:02 AM	Ryan Iyer
  State-Level Data	Yesterday at 11:02 AM	Ryan Iyer

Clicking on the State-Level Data tab will reveal a list of states ordered alphabetically.

## > State Factbase > Spreadsheets > State-Level Data
















 Name ▾	Modified ▾	Modified By ▾
  Alabama	Yesterday at 11:02 AM	Ryan Iyer
  Arizona	Yesterday at 11:02 AM	Ryan Iyer
  Arkansas	Yesterday at 11:02 AM	Ryan Iyer
  California	Yesterday at 11:02 AM	Ryan Iyer
  Colorado	Yesterday at 11:02 AM	Ryan Iyer
  Connecticut	Yesterday at 11:02 AM	Ryan Iyer
  Delaware	Yesterday at 11:02 AM	Ryan Iyer
  District of Columbia	Yesterday at 11:02 AM	Ryan Iyer

### 3. Choose desired content

Once you have selected the preferred area, you will have the option to explore various datasets or visualizations.

#### 3.1. Thematic Areas of the Spreadsheets Tab

There are 7 different thematic areas, each of which will have a set of spreadsheets related to the content.

 Name ▾
  Air Quality
  Buildings Infrastructure
  CO2 Emissions
  Energy Economics
  Energy Use
  Equity
  Natural Gas

### 3.1.2 List of Spreadsheets Contents

See "List of All Data and Sources" file for complete list of data fields and spreadsheets currently available.

## 3.2. Contents of the Visualizations Tab

The visualizations tab uses data from various sources, and will have a list of .PDF files named by their respective area of interest. It is recommended to browse through the names of each file to determine which graphical outputs are best suited towards your analysis.

## Appendix:

High-Level Structure of State Factbase:

