

# TSDC: Transportation Secure Data Center

## Real-World Data for Planning, Modeling, and Analysis

**About the TSDC:** The TSDC features data from hundreds of travel surveys and studies, including a recently added branch for transit survey data, as well as longitudinal data collected during the COVID-19 pandemic. The data cover millions of miles of travel from personal vehicles, buses, trains, van pools, bikes (electric and conventional), and other modes. After the initial data are screened for quality control, processing routines join data points to the road network, link U.S. census and other spatial data layers, and add vehicle fuel economy and road-grade information.

**Two Levels of Access:** Cleansed datasets, with personally identifiable information removed, are readily available for download via the TSDC website after a simple, one-time registration process. Full datasets, with detailed spatial data and accompanying tools and reference data, are accessible to approved users via a secure online portal.



More than **70% of U.S. states** represented



Nearly **12 million miles** of in-vehicle and wearable GPS data



More than **21 million miles** of data from household travel diaries



More than **4,500 registered users** from across universities, automakers, consultants, governmental organizations, nonprofits, national labs, and other arenas



More than **250** research publications drawing on TSDC data

Visit  
[www.nrel.gov/tsdc](http://www.nrel.gov/tsdc)



# Livewire Data Platform

## A Catalog of Transportation and Mobility Data

**About Livewire:** The Livewire Data Platform empowers research, industry, and academic partners to easily and securely preserve, maintain, share, discover, and gain access to transportation and mobility data.

Livewire offers free data storage and a host of features for data owners to securely share data. Anyone may create an account to browse public data.

**Range of Data Types and Uses:** Livewire accommodates a range of datasets, including behavioral, experimental, model, analytical, and raw data at the vehicle, traveler, and system levels.

Datasets support energy-efficient mobility research and planning spanning urban science, connected and automated vehicles, fueling and charging infrastructure, mobility decision science, multimodal transportation, vehicle efficiency, and more.



The National Renewable Energy Laboratory, Idaho National Laboratory, and Pacific Northwest National Laboratory maintain Livewire in partnership with the U.S. Department of Energy.

Photo by Dennis Schroeder, NREL 59886



**LIVEWIRE**  
DATA PLATFORM



Features **7** terabytes of data and **11,000** individual data files from **73** participating organizations



Includes **382** datasets from **45** transportation- and mobility-related projects

Visit  
[livewire.energy.gov](https://livewire.energy.gov)

