TRB Snap Search: Electric Vehicles

TRB's involvement in research on Electric Vehicles from 2021-2023

The Transportation Research Board (TRB) provides innovative, research-based solutions to improve how we move. TRB is part of the National Academies of Sciences, Engineering, and Medicine, an independent, non-profit institution that provides objective advice on scientific, engineering, and medical issues.

A resource to the nation and to the transportation community worldwide, TRB provides an extensive portfolio of services:

- Opportunities for information exchange on current transportation research and practice
- Management of cooperative research and other research programs
- Analyses of national transportation policy issues and guidance on federal and other research programs
- Publications and access to research information from around the world

All available Snap Searches can be accessed online here: http://www.trb.org/InformationServices/Snap.aspx

TRB Research

TRID – The world’s largest and most comprehensive bibliographic source on all modes and disciplines of transportation
  - Click here to view search results on TRB published research on Electric Vehicles within the past two years.

Specialty Report
  - Critical Issues in Transportation 2019
  - COVID-19 Addendum to Critical Issues in Transportation
  - Racial Equity Addendum to Critical Issues in Transportation

Recent Reports & Publications

- Airport Cooperative Research Program (ACRP)
  - Report 236 - Preparing Your Airport for Electric Aircraft and Hydrogen Technologies

- Behavioral Traffic Safety Cooperative Research Program (BTSCRP)
  - Research Results Digest 1 - E-Scooter Safety: Issues and Solutions

- National Cooperative Highway Research Program (NCHRP)
  - Report 924 - Foreseeing the Impact of Transformational Technologies on Land Use and Transportation

- Transit Cooperative Research Program (TCRP)
  - IDEA Report 96 - Multi-stage Planning for Electrifying Transit Bus Systems with Multiformat Charging Facilities
  - Report 230 - Transit and Micromobility
  - Report 219 - Guidebook for Deploying Zero Emissions Transit Buses

Current & Upcoming Projects

- Current Projects
  - NCHRP Synthesis 20-05/Topic 53-08 - Strategies and Programs For Electric Vehicle Charging

- Upcoming Projects
  - ACRP 03-71 - Guidelines for Planning for Future Growth of Electric Vehicles at Airports
  - ACRP 10-33 - Incorporating Emerging Ground Access Technologies at Airports
  - NCHRP 19-21 - Selecting Revenue Models for Electric Vehicle Charging
  - NCHRP 19-22 - Future Equity Impacts of Existing Fuel Taxes
  - NCHRP 19-23 - Revenue-Related Strategies for New Mobility Options
  - NCHRP 20-123(16) - Roadmap for the Transformation to Computer Simulation-Based Assessment of Bridge Railings
  - TCRP E-14 - Lithium-Ion Battery Transit Bus Fire Prevention and Risk Management
Reports from the National Academies Press on Electric Vehicles

- Navigating an Electric Vehicle Future
- The Future of Electric Power in the United States
- Assessment of Technologies for Improving Light-Duty Vehicle Fuel Economy—2025-2035
- Powering the U.S. Army of the Future
- Enhancing Federal Clean Energy Innovation

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
- AMS30 - Transportation Energy
- AMS40 - Alternative Fuels and Technologies
- AP020 - Innovative Public Transportation Services and Technologies
- AP050 - Bus Transit Systems
- AR030 - Railroad Operating Technologies

Task Forces - Search for task force under committee here

Project Panels
- D1921 - Selecting Revenue Models for Electric Vehicle Charging
- DA0351 - Electric Aircraft on the Horizon -- An Airport Planning Perspective
- DA0371 - Guidance for Planning for Future Electric Vehicle Growth at Airports
- SN5308 - Strategies and Programs For Electric Vehicle Charging

Councils
- A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming TRB Conferences – Use left hand menu to filter events

National Aviation System Planning Symposium
May 15-18, 2023
Irving, CA

Marine Transportation System Innovative Science and Technologies Toward Greater Sustainability
June 19-22, 2023
Washington, D.C.

National Conference on Transportation Asset Management
July 8-11, 2023
Boston, MA

Upcoming Events – In the Upcoming Events tab under Types, choose what event you are interested in, search titles by keyword

Past Events - In the Past Events tab under Types, choose what event you are interested in, search titles by keyword

TRB’s Transportation Research Information Services (TRIS)

TRIS includes the TRB Library and the TRIS Databases (listed below) which are available free on TRB’s website.

The TRB Library provides information services to TRB staff, sponsors, TRB Committee members and panels and researchers. Access to the TRB Library is a benefit to TRB sponsors and TRB committee members.

In cooperation with your State DOT Library or Information Service, the TRB Library provides:

- Reference and research assistance
- Literature searches
- Articles for TRB Committee work
The TRB Library provides training on effective and efficient use of the following TRIS resources:

- **Transportation Research International Documentation (TRID)** – [trid.trb.org](http://trid.trb.org) - The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation.
- **Transportation Research Thesaurus (TRT)** – [trt.trb.org](http://trt.trb.org) - A tool to improve the indexing and retrieval of transportation information.
- **Research in Progress (RIP) Database** – [rip.trb.org](http://rip.trb.org) - Current or recently completed transportation research projects.
- **Publications Index (PubsIndex) Database** – [pubsindex.trb.org](http://pubsindex.trb.org) - The papers, articles and reports published by the Transportation Research Board, Strategic Highway Research Programs or the Marine Board.

**Contact or Questions:** TRBLibrary@nas.edu