

TRB TRANSPORTATION RESEARCH BOARD

TRB Snap Search: Electric/Alternative Fuel Vehicles

TRB's involvement in research on Electric/Alternative Fuel Vehicles from 2021-2024

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/Alternative Fuel Vehicles within the past two years

Specialty Report

- [Critical Issues in Transportation for 2024 and Beyond](#)
- [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
 - [Report 130](#) - Airport-Centric Advanced Air Mobility Market Study
- [Behavioral Traffic Safety Cooperative Research Program \(BTSCRCP\)](#)
 - [Research Report 9](#) - E-Scooter Safety Toolbox
 - [Research Results Digest 1](#) - E-Scooter Safety: Issues and Solutions
 - [Web-Only Document 5](#) - 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
 - [Synthesis 597](#) - Micromobility Policies, Permits, and Practices
 - [Synthesis 605](#) - Electric Vehicle Charging: Strategies and Programs
- [Transit Cooperative Research Program \(TCRP\)](#)
 - [IDEA Report 99](#) - Bike Love
 - [IDEA Report 96](#) - Multi-stage Planning for Electrifying Transit Bus Systems with Multifunctional Charging Facilities
 - [Report 230](#) - Transit and Micromobility
 - [Report 219](#) - Guidebook for Deploying Zero Emissions Transit Buses
 - [Synthesis 165](#) - Customer Education and Awareness of On-Demand Mobility
- [Transportation Research Circulars](#)
 - [E-Circular 288](#) - Innovations in Freight Data: 2023 Workshop

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Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 03-71](#) - Guidelines for Planning for Future Electric Vehicles Growth at Airports
 - [ACRP 10-33](#) - Incorporating Emerging Transportation and Ground Access Technologies at Airports
 - [NCHRP 19-21](#) - Selecting Revenue Models for Electric Vehicle Charging
 - [NCHRP 19-23](#) - Revenue-Related Strategies for New Mobility Options
 - [NCHRP 20-123\(16\)A](#) - Roadmap for the Transformation to Computer Simulation-Based Assessment of Bridge Railings
 - [NCHRP 25-66](#) - Reviewing the REMEL Noise Database to Accommodate the Current Vehicle Fleet
 - [TCRP Synthesis I-07/Topic SA-60](#) - Examination of Transit Agency Coordination with Electric Utilities
 - [TCRP J-11/Task 46](#) - Zero-Emission Vehicles: New Tech, New Skills, New Jobs
- [Upcoming Projects](#)
 - [ACRP 03-75](#) - Preparing for Hydrogen at Airports
 - [NCHRP 19-22](#) - Equity Impacts of Transportation Revenue Mechanisms and Changing Trends
 - [NCHRP 19-26](#) - Modernizing Fuel Tax Revenue Forecasting
 - [NCHRP 22-61](#) - Crashworthiness of Roadside Hardware Impacted by Battery Electric Vehicles
 - [TCRP A-50](#) - Practical Considerations for Developing Transition Plans to Zero-Emission Fleets
 - [TCRP E-14](#) - Lithium-Ion Battery Transit Bus Fire Prevention and Risk Management
 - [TCRP H-61](#) - A Guide for Resilient Zero-Emission Transit Bus Fleets

Reports from the [National Academies Press](#) on Electric Vehicles

- [Options for a National Plan for Smart Manufacturing](#)
- [Future Directions for Southern Ocean and Antarctic Nearshore and Coastal Research](#)
- [Oil in the Sea IV: Inputs, Fates, and Effects](#)
- [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
- [AR020](#) - Rail Rolling Stock and Motive Power
- [AR030](#) - Railroad Operating Technologies

[Task Forces](#) - Search for *task force* under committee here

Project Panels

- [D1921](#) - Selecting Revenue Models for Electric Vehicle Charging
- [D2261](#) - Crashworthiness of Roadside Hardware Impacted by Battery Electric Vehicles
- [DA0371](#) - Guidance for Planning for Future Electric Vehicle Growth at Airports
- [SAS0223](#) - Electric Vehicle Charging Stations at Airport Parking Facilities
- [STSA60](#) - Examination of Transit Agency Coordination with Electric Utilities

Councils

- [A001C](#) – Young Members Coordinating Council



TRANSPORTATION RESEARCH BOARD

Recent and Upcoming Events

[Upcoming TRB Conferences](#) – Use left hand menu to filter events

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

[TRB's Transportation Symposium on Environment, Energy, and Livable Economies](#)

August 25-28, 2024

Denver, CO

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

[National Conference on Transportation Asset Management](#)

July 8-11, 2023

Boston, MA

[Marine Transportation System Innovative Science and Technologies Toward Greater Sustainability](#)

June 19-22, 2023

Washington, D.C.

[National Aviation System Planning Symposium](#)

May 15-18, 2023

Irving, CA

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 - The world's largest and most comprehensive bibliographic source on all modes and disciplines of transportation
- **Transportation Research Thesaurus (TRT)** – trt.trb.org – A tool to improve the indexing and retrieval of transportation information.
- **Research in Progress (RiP) Database** – rip.trb.org - Current or recently completed transportation research projects
- **Publications Index (PubsIndex) Database** – 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