



TRB Snap Search: Energy & Pipelines

TRB's involvement in research on Energy & Pipelines from 2018-2021

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 Energy & Pipelines within the past three years.

Specialty Webpages

- [Energy](#)
- [Pipelines](#)

Recent Reports & Publications

- [Airport Cooperative Research Program \(ACRP\)](#)
 - [Report 228](#) - Airport Microgrid Implementation Toolkit
 - [Report 197](#) - Guidebook for Developing a Comprehensive Renewable Resources Strategy
 - [Report 192](#) - Airport Management Guide for Providing Aircraft Fueling Services
 - [Synthesis 110](#) - Airport Renewable Energy Projects Inventory and Case Examples
 - [Synthesis 91](#) - Microgrids and Their Application for Airports and Public Transit (TCRP Synthesis 137)
 - [Synthesis 89](#) - Clean Vehicles, Fuels, and Practices for Airport Private Ground Transportation Providers
 - [Synthesis 87](#) - Airport Participation in Oil and Gas Development
 - [Web-Only Document 45](#) - Airport Environmental Research Roadmap Narrative Report
 - [Web-Only Document 41](#) - Alternative Jet Fuels Emissions: Quantification Methods Creation and Validation Report
 - [Web-Only Document 35](#) - State of the Industry Report on Air Quality Emissions from Sustainable Alternative Jet Fuels
- [National Cooperative Highway Research Program \(NCHRP\)](#)
 - [Report 940](#) - Solid-State Roadway Lighting Design Guide: Volume 1: Guidance
 - [Report 940](#) - Solid-State Roadway Lighting Design Guide: Volume 2: Research Overview
 - [Report 870](#) - Field Performance of Corrugated Pipe Manufactured with Recycled Polyethylene Content
 - [Web-Only Document 274](#) - Zero Emission Vehicles: Forecasting Fleet Scenarios and their Emissions Implications
- [Special Reports / Consensus Studies](#)
 - [Report 339](#) - Preparing for LNG by Rail Tank Car: A Review of a U.S. DOT Safety Research, Testing, and Analysis Initiative
 - [Report 336](#) - Options for Reducing Lead Emissions from Piston-Engine Aircraft
 - [Report 327](#) - Safety Regulation for Small LPG Distribution Systems
 - [Report 325](#) - Safely Transporting Hazardous Liquids and Gases in a Changing U.S. Energy Landscape
 - [Report 324](#) - Designing Safety Regulations for High-Hazard Industries
- [Transit Cooperative Research Program \(TCRP\)](#)
 - [Report 219](#) - Guidebook for Deploying Zero Emissions Transit Buses
 - [Report 212](#) - Stray Current Control of Direct Current-Powered Rail Transit Systems: A Guidebook
 - [Report 211](#) - Guidebook for Detecting and Mitigating Low-Level DC Leakage and Fault Currents in Transit Systems

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- [Synthesis 137](#) - Microgrids and Their Application for Airports and Public Transit (ACRP Synthesis 91)
- [Synthesis 130](#) - Battery Electric Buses—State of the Practice
- [Transportation Research Circulars](#)
 - [E-Circular 230](#) - Culverts and Soil–Structure Interaction: Fifty Years of Change and a Twenty-Year Projection

Current & Upcoming Projects

- [Current Projects](#)
 - [ACRP 03-51](#) - Electric Aircraft of the Horizon -- An Airport Planning Perspective
 - [NCHRP 18-20](#) - AASHTO LRFD Design, Installation, and Standard Practice of Testing for Cured In-Place Pipe Liners
 - [Transit IDEA J-04/IDEA 96](#) - Multi-stage Planning for Electrifying Transit Bus Systems with Multiformat Charging Facilities
- [Upcoming Projects](#)
 - [NCHRP 19-18](#) - Transitioning Fuel Tax Assessments to a Road Usage Charge
 - [NCHRP Synthesis 20-05/Topic 53-08](#) - Strategies and Programs For Electric Vehicle Charging
 - [TCRP D-19](#) - Phase II TCRP Project D-17 - Detecting and mitigating low level DC fault currents in transit systems thus eliminating electrical fires in tunnels and rights-of-way
 - [TCRP D-20](#) - Insulated Joint Failure Investigation Mitigation

Reports from the [National Academies Press](#) on Energy & Pipelines

- [Bringing Fusion to the U.S. Grid](#)
- [Enhancing Federal Clean Energy Innovation](#)
- [Accelerating Decarbonization of the U.S. Energy System](#)
- [The Use of Dispersants in Marine Oil Spill Response](#)
- [Frontiers in Thermal Transport and Energy Conversion](#)
- [Review of the SBIR and STTR Programs at the Department of Energy](#)
- [Review of the Bureau of Ocean Energy Management "Air Quality Modeling in the Gulf of Mexico Region" Study](#)
- [The Human Factors of Process Safety and Worker Empowerment in the Offshore Oil Industry](#)
- [Onshore Unconventional Hydrocarbon Development](#)
- [Future Directions for the U.S. Geological Survey's Energy Resources Program](#)

Committees & Panels

[Sign-up to be a committee "Friend"](#)

[TRB Standing Committees](#) – Search by transportation mode and committee topic

- [AEP60](#) - Transportation Demand Management
- [AJL50](#) - Environmental Issues in Transportation Law
- [AMR50](#) - Extreme Weather and Climate Change Adaptation
- [AMS10](#) - Air Quality and Greenhouse Gas Mitigation
- [AMS30](#) - Transportation Energy
- [AMS40](#) - Alternative Fuels and Technologies
- [AT040](#) - Transportation of Hazardous Materials
- [AV030](#) - Environmental Issues in Aviation
- [AW030](#) - Marine Environment

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

Councils

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

Recent and Upcoming Events

[Upcoming Conferences](#)- Left hand menu “upcoming conferences by topic”

(Conferences cosponsored by TRB are denoted with an asterisk.)

[Conference on Transformative Times in Transportation Security](#)

November 2, 2021

Washington, DC

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[Conference on Sustainability and Emerging Transportation Technology](#)

March 15, 2022

Irvine, CA

[American Society of Civil Engineers \(ASCE\) Geo-Congress 2022*](#)

March 20, 2022

Charlotte, NC

[Webinars](#) – View upcoming webinars, suggest a webinar or add registration information

[Past Webinars](#)

- [Energy](#)
- [Pipelines](#)

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
- **Research Needs Statements (RNS)** – rns.trb.org - Research needs as identified by TRB Technical Activities standing committees
- **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