TRB Snap Search: Energy & Pipelines

TRB's involvement in research on Energy & Pipelines from 2020-2023

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 Energy & Pipelines within the past three 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 228 - Airport Microgrid Implementation Toolkit
  - Synthesis 110 - Airport Renewable Energy Projects Inventory and Case Examples

- **National Cooperative Highway Research Program (NCHRP)**
  - Synthesis 581 - Rehabilitation of Culverts and Buried Storm Drain Pipes

- **Special Reports / Consensus Studies**
  - Report 345 - Preparing for LNG by Rail Tank Car: A Readiness Review
  - Report 336 - Options for Reducing Lead Emissions from Piston-Engine Aircraft

- **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

Current & Upcoming Projects

- **Current Projects**
  - ACRP 10-34 - Migrating ACRP Research Report 228 Toolkit to an ACRP WebResource
  - NCHRP 18-20 - AASHTO LRFD Design, Installation, and Standard Practice of Testing for Cured In-Place Pipe Liners
  - NCHRP 19-18 - Transitioning Fuel Tax Assessments to a Road Usage Charge
  - NCHRP IDEA 20-30/IDEA 234 - Field Test & Evaluation of A Solar Snow Fence
  - TCRP D-19 - Detecting and Mitigating Low-Level DC Fault Currents in Transit Systems (Phase II TCRP Project D-17)
Upcoming Projects

- ACRP 02-98 - Airport Energy Resiliency Primer and Roadmap
- ACRP 03-71 - Guidelines for Planning for Future Growth of Electric Vehicles at Airports
- ACRP 03-73 - Airport Guide for Transitioning to Unleaded Aviation Gasoline
- NCHRP 19-21 - Selecting Revenue Models for Electric Vehicle Charging
- NCHRP 19-22 - Future Equity Impacts of Existing Fuel Taxes
- TCRP D-20 - Investigation and Mitigation of Insulated Joint Electrical Failure
- TCRP E-14 - Lithium-Ion Battery Transit Bus Fire Prevention and Risk Management

Reports from the National Academies Press on Energy & Pipelines

- Transportation and Infrastructure » Energy
- Transportation and Infrastructure » Pipelines

- Corrosion of Buried Steel at New and In-Service Infrastructure
- Understanding the Societal Challenges Facing Nuclear Power
- Wind Turbine Generator Impacts to Marine Vessel Radar
- Investing in Resilient Infrastructure in the Gulf of Mexico
- The Future of Electric Power in the United States
- 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

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic

- AEP60 - Transportation Demand Management
- AIL50 - Environmental Issues in Transportation Law
- AKB70 - Culverts, Buried Bridges and Soil Structure Interaction
- AMR10 - Critical Transportation Infrastructure Protection
- 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
- B0177 - Criteria for Installing Automatic and Remote-Controlled Shutoff Valves on Existing Gas and Hazardous Liquid Transmission Pipelines

Task Forces - Search for task force under committee here

CRP Panels

- DA0298 - Airport Energy Resiliency
- SN5212 - Rehabilitation of Culverts and Buried Storm Drain Pipes

Councils

- A001C – Young Members Coordinating Council

Recent and Upcoming Events

Upcoming TRB Conferences – Use left hand menu to filter events

Marine Transportation System Innovative Science and Technologies Toward Greater Sustainability
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** – [riptrb.org](http://riptrb.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