TRB Snap Search: Energy & Pipelines

TRB's involvement in research on Energy & Pipelines from 2019-2022

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

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
  - 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
  - Web-Only Document 45 - Airport Environmental Research Roadmap Narrative Report

- National Cooperative Highway Research Program (NCHRP)

- Special Reports / Consensus Studies
  - 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

Updated on 11/12/2021
• Current Projects
  o ACRP 03-51 - Electric Aircraft of the Horizon – An Airport Planning Perspective
  o NCHRP 18-20 - AASHTO LRFD Design, Installation, and Standard Practice of Testing for Cured In-Place Pipe Liners
  o NCHRP 19-18 - Transitioning Fuel Tax Assessments to a Road Usage Charge
  o NCHRP Synthesis 20-05/Topic 53-08 - Strategies and Programs For Electric Vehicle Charging
  o Transit IDEA 1-04/IDEA 96 - Multi-stage Planning for Electrifying Transit Bus Systems with Multiformat Charging Facilities

• Upcoming Projects
  o ACRP 02-98 - Airport Energy Resiliency
  o ACRP 10-34 - Airport Microgrid Toolkit Upgrade to ACRP WebResource
  o 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
  o TCRP D-20 - Insulated Joint Failure Investigation Mitigation

Reports from the National Academies Press on Energy & Pipelines
  o The Future of Electric Power in the United States
  o Bringing Fusion to the U.S. Grid
  o Enhancing Federal Clean Energy Innovation
  o Accelerating Decarbonization of the U.S. Energy System
  o The Use of Dispersants in Marine Oil Spill Response
  o Frontiers in Thermal Transport and Energy Conversion
  o Review of the SBIR and STTR Programs at the Department of Energy
  o Review of the Bureau of Ocean Energy Management "Air Quality Modeling in the Gulf of Mexico Region" Study

Committees & Panels

Sign-up to be a committee "Friend"

TRB Standing Committees – Search by transportation mode and committee topic
  o AEP60 - Transportation Demand Management
  o AIL50 - Environmental Issues in Transportation Law
  o AMR50 - Extreme Weather and Climate Change Adaptation
  o AMS10 - Air Quality and Greenhouse Gas Mitigation
  o AMS30 - Transportation Energy
  o AMS40 - Alternative Fuels and Technologies
  o AT040 - Transportation of Hazardous Materials
  o AV030 - Environmental Issues in Aviation
  o AW030 - Marine Environment

Task Forces - Search for task force under committee here

Councils
  o 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.)

Transportation Infrastructure Innovations for Durability and Resilience (TriDurLE 2021)*
December 6, 2021
Austin, TX

TRB Virtual Careers in Motion Networking Fair
December 8, 2021
Washington, DC

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

International Conference of International Society for Intelligent Construction*
September 6, 2022
Guimaraes, Portugal

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 - 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