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

- **National Cooperative Highway Research Program (NCHRP)**
  - Report 870 - Field Performance of Corrugated Pipe Manufactured with Recycled Polyethylene Content

- **Special Reports / Consensus Studies**
  - Report 336 - Options for Reducing Lead Emissions from Piston-Engine Aircraft
  - Report 327 - Safety Regulation for Small LPG Distribution Systems
  - 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

Updated on 07/14/2021
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
AIL50 - 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
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