THE ACADEMIES
READING LIST
For the new Congress and Administration in 2017

TRANSPORTATION RESEARCH BOARD (TRB)

Application of Remote Real-Time Monitoring to Offshore Oil and Gas Operations (2016)
Interregional Travel: A New Perspective for Policy Making (2016)
Between Public and Private Mobility: Examining the Rise of Technology-Enabled Transportation Services (2016)
Strengthening the Safety Culture of the Offshore Oil and Gas Industry (2016)
Modernizing Freight Rail Regulation (2015)
The Federal Aviation Administration’s Approach for Determining Future Air Traffic Controller Staffing Needs (2014)
Transportation Investments in Response to Economic Downturns (2014)
Equity of Evolving Transportation Finance Mechanisms (2011)

POLICY AND GLOBAL AFFAIRS (PGA)

Expanding Underrepresented Minority Participation: America's Science and Technology Talent at the Crossroads (2011)
Strengthening Forensic Science in the United States: A Path Forward (2009)
Diplomacy for the 21st Century, Embedding a Culture of Science and Technology throughout the Department of State (2015)
Building America’s Skilled Technical Workforce [Forthcoming December 2016]


Disaster Resilience: A National Imperative (2012)

NATIONAL ACADEMY OF SCIENCES/NATIONAL ACADEMY OF MEDICINE (NAS/NAM)


NATIONAL ACADEMY OF ENGINEERING (NAE)


Technically Speaking: Why All Americans Need to Know More About Technology (2002)

Engineering in K-12 Education: Understanding the Status and Improving the Prospects (2009)

STEM Integration in K-12 Education: Status, Prospects, and an Agenda for Research (2014)


Engineering Technology Education in the United States [Forthcoming December 2016]

HEALTH AND MEDICINE DIVISION (HMD)

Families Caring for an Aging America (2016)

Improving Diagnosis in Health Care (2015)

Biomarker Tests for Molecularly Targeted Therapies: Key to Unlocking Precision Medicine (2016)

Health IT and Patient Safety: Building Safer Systems for Better Care (2012)


Public Health Implications of Raising the Minimum Age of Legal Access to Tobacco Products (2015)

Hearing Health Care for Adults: Priorities for Improving Access and Affordability (2016)

A National Trauma Care System: Integrating Military and Civilian Trauma Systems to Achieve Zero Preventable Deaths After Injury (2016)


Sodium Intake in Populations: Assessment of Evidence (2013)
DIVISION OF PHYSICAL AND ENGINEERING SCIENCES (DEPS)

New Frontiers in Solar System Exploration [Forthcoming 2016]

Analytic Research Foundations for the Next-Generation Electric Grid (2016)

The Resilience of the Electric Power Delivery System in Response to Terrorism and Natural Disasters: Summary of a Workshop (2013) [Final report Forthcoming December 2016]


Autonomy Research for Civil Aviation: Toward a New Era of Flight (2014)


Pathways to Exploration: Rationales and Approaches for a U.S. Program of Human Space Exploration (2014)


DIVISION OF EARTH AND LIFE STUDIES (DELS)

Attribution of Extreme Weather Events in the Context of Climate Change (2016)

Using Graywater and Stormwater to Enhance Local Water Supplies: An Assessment of Risks, Costs, and Benefits (2016)

Gene Drives on the Horizon: Advancing Science, Navigating Uncertainty, and Aligning Research with Public Values (2016)

Genetically Engineered Crops: Experiences and Prospects (2016)

Industrialization of Biology: A Roadmap to Accelerate the Advanced Manufacturing of Chemicals (2015)


Lessons Learned from the Fukushima Nuclear Accident for Improving Safety and Security of U.S. Nuclear Plants: Phase 2 (2016)

Lessons Learned from the Fukushima Nuclear Accident for Improving Safety of U.S. Nuclear Plants (2014)

Responding to Oil Spills in the U.S. Arctic Marine Environment (2014)

Assessing Risks to Endangered and Threatened Species from Pesticides (2013)

Induced Seismicity Potential in Energy Technologies (2013)
DIVISION OF BEHAVIORAL AND SOCIAL SCIENCES AND EDUCATION (DBASSE)

Evaluation of the Achievement Levels for Mathematics and Reading on the National Assessment of Educational Progress [Forthcoming November 2016]


The Economic and Fiscal Consequences of Immigration (2016)

The Integration of Immigrants into American Society (2015)


Sports-Related Concussions in Youth: Improving the Science, Changing the Culture (2014)


The list is available online at www.nationalacademies.org/pga.