Supply risk for critical raw materials in military applications



Strategic And Critical Materials

United States. Congress. Senate.
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Strategic and Critical Materials United States. Congress. Senate. Committee on Military Affairs, 1941 H.R. 5074 and H.R. 5076 United States. Congress. House. Committee on Armed Services. Subcommittee on Seapower and Strategic Stockpile and Accessibility of Strategic and Critical Materials to the United States in Time of and Critical Materials, 1990 War United States. Congress. Senate. Committee on Interior and Insular Affairs, 1953 Strategic and Critical Materials Report to the Congress, 1993 Strategic And Critical Materials L. Harold Bullis, James E Mielke, L Harold Bullis, 2019-06-18 Much attention has been focused on U S dependency on imports for supplies of strategic minerals and materials There is alarm about the extent of that dependency and about the possibility that U S economic political and strategic decisions might be unduly influenced by arbitrary actions of foreign suppliers In addition there is concern that t Hearing on H.R. 1392, to Provide for the Establishment by Law of the Requirements for Strategic and Critical Materials to be Stockpiled in the National Defense Stockpile, to Transfer Management of the Stockpile to the Secretary of Defense, and for Other Purposes United States. Congress. House. Committee on Armed Services. Subcommittee on Seapower and Strategic and Critical Materials, 1987 Hearing on H.R. 4281, Critical Materials Act of 1981 Before the Seapower and Strategic and Critical Materials Subcommittee of the Committee on Armed Services, House of Representatives, Ninety-seventh Congress, Second Session, September 13, 1982 United States. Congress. House. Committee on Armed Services. Subcommittee on Seapower and Strategic and Critical Materials, 1982 Stockpile and Accessibility of Strategic and Critical Materials to the United States in Time of War United States. Congress. Senate. Committee on Interior and Insular Affairs, 1953 Critical Materials Strategy Steven Chu, 2011-05 This report examines the role of rare earth metals and other materials in the clean energy economy It was prepared by the U.S. Department of Energy DoE based on data collected and research performed during 2010 In the report DoE describes plans to 1 develop its first integrated research agenda addressing critical materials building on three technical workshops convened by the DoE during November and December 2010 2 strengthen its capacity for information gathering on this topic and 3 work closely with international partners including Japan and Europe to reduce vulnerability to supply disruptions and address critical material needs Charts and tables This is a print on demand report Hearing on H.R. 3743, To Provide for the **Establishment by Law of the Goals for the National Defense Stockpile, and for Other Purposes** United States. Congress. House. Committee on Armed Services. Subcommittee on Seapower and Strategic and Critical Materials, 1986 Hearing on H.R. 2154 to Revise the Strategic and Critical Materials Stock Piling Act, to Require that Appropriations for Acquisition of Strategic and Critical Materials be Authorized by Law, to Establish a National Defense Stockpile Transaction Fund, and for Other Purposes, Before the Seapower and Critical Materials Subcommittee of the Committee on Armed Services, House of Representatives, Ninety-sixth Congress, First Session, February 23, C1979 United States. Congress.

House. Committee on Armed Services. Subcommittee on Seapower and Strategic and Critical Materials, 1979 Stockpile and Accessibility of Strategic and Critical Materials to the United States in Time of War: pt.11. Synthesis, substitutions, and replacements of scarce strategic materials. September 21, 22, October 25, Nove 17, 18, 1954. 1955. 494 p.; pt.12. Titanium - supplement to part 3. October 22, 23, November 19, December 6, 1954. 1955. 169 p United States. Congress. Senate. Committee on Interior and Insular Affairs. Special Subcommittee on Minerals, Materials H.R. 5074 and H.R. 5076 United States. Congress. House. Committee on Armed Services. and Fuels Economics, 1955 Subcommittee on Seapower and Strategic and Critical Materials, 1990 Stockpile and Accessibility of Strategic and Critical Materials to the U.S. in Time of War United States. Congress. Senate. Committee on Interior and Insular Affairs. Special Subcommittee on Integrated Oil Operations, 1953 Stockpile and Accessibility of Strategic and Critical Materials to the United States in Time of War: Industrial representatives of producers and users of strategic and critical materials, 2 v United States. Congress. Senate. Committee on Interior and Insular Affairs, 1953 Hearing on H.R. 33, to Transfer Management of the National Defense Stockpile to the Secretary of Defense, Before the Seapower and Strategic and Critical Materials Subcommittee of the Committee on Armed Services, House of Representatives, Ninety-eighth Congress, First Session, February 22, 1983 United States. Congress. House. Committee on Armed Services. Subcommittee on Seapower and Strategic and Critical Materials, 1984 Managing Materials for a Twenty-first Century Military National Research Council, Division on Engineering and Physical Sciences, National Materials Advisory Board, Committee on Assessing the Need for a Defense Stockpile, 2008-04-26 Since 1939 the U S government using the National Defense Stockpile NDS has been stockpiling critical strategic materials for national defense The economic and national security environments however have changed significantly from the time the NDS was created Current threats are more varied production and processing of key materials is more globally dispersed the global competition for raw materials is increasing the U S military is more dependent on civilian industry and industry depends far more on just in time inventory control To help determine the significance of these changes for the strategic materials stockpile the Department of Defense asked the NRC to assess the continuing need for and value of the NDS This report begins with the historical context of the NDS It then presents a discussion of raw materials and minerals supply an examination of changing defense planning and materials needs an analysis of modern tools used to manage materials supply chains and an assessment of current operational practices of the NDS H.R. 5074 and H.R. 5076 United States. Congress. House. Committee on Armed Services. Subcommittee on Seapower and Strategic and Critical Materials, 1990 Strategic and Critical Materials Report to the Congress, 1988

Critical Mineral Resources of the United States K. J. Schulz, John H. DeYoung, Robert R. Seal, Dwight C. Bradley, 2017 As the importance and dependence of specific mineral commodities increase so does concern about their supply The United States is currently 100 percent reliant on foreign sources for 20 mineral commodities and imports the majority of its supply

of more than 50 mineral commodities Mineral commodities that have important uses and face potential supply disruption are critical to American economic and national security However a mineral commodity s importance and the nature of its supply chain can change with time a mineral commodity that may not have been considered critical 25 years ago may be critical today and one considered critical today may not be so in the future The U S Geological Survey has produced this volume to describe a select group of mineral commodities currently critical to our economy and security For each mineral commodity covered the authors provide a comprehensive look at 1 the commodity s use 2 the geology and global distribution of the mineral deposit types that account for the present and possible future supply of the commodity 3 the current status of production reserves and resources in the United States and globally and 4 environmental considerations related to the commodity s production from different types of mineral deposits The volume describes U S critical mineral resources in a global context for no country can be self sufficient for all its mineral commodity needs and the United States will always rely on global mineral commodity supply chains This volume provides the scientific understanding of critical mineral resources required for informed decisionmaking by those responsible for ensuring that the United States has a secure and sustainable supply of mineral commodities

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