Federal Critical Minerals & Materials Ecosystem

Executive Orders of Note:

2025:

1. EO 14347 Restoring the United States Department of War
2. EO 14346 Modifying...Tariffs
3. EO 14345 Implementing the United States-Japan Agreement
4. EO 14285 Unleashing America's Offshore Critical Minerals and Resources
5. EO 14272 Ensuring National Security and Economic Resilience Through Section 232 Actions on Processed Critical Minerals and Derivative Products
6. EO 14271 Reinvigorating America's Beautiful Clean Coal Industry
7. EO 14255 United States Investment Accelerator
8. EO 14241 Immediate Measures To Increase American Mineral Production
9. EO 14220 Addressing the Threat to National Security From Imports of Copper
10. EO 14213 Establishing the National Energy Dominance Council
11. EO 14156 National Energy Emergency
12. EO 14154 Unleashing American Energy
13. EO 14153 Unleashing Alaska's Extraordinary Resource Potential

2024 & Prior:

- EO 14017 America's Supply Chains (2021)
- EO 13953 Reliance on Critical Minerals (2020)
- EO 13817 Ensure Secure and Reliable Supplies of Crit. Min. (2017)
- EO 13603 National Defense Resources Preparedness (DPA) (2012)

President

Executive Office of the President (EOP)

Critical Mineral and Material Program Plan & Coordination (30 USC 1604) *NOTE: Not yet updated in accordance with Energy Act of 2020*

- **NSC** National Security Council
  - Asst. to Pres. for National Security Affairs (APNSA)
    - Senior Director for Global Supply Chains (NSC Special Assistant)
- **NEC** National Economic Council
  - Asst. to Pres. for Trade and Manufacturing Policy (APTMP)
  - Asst. to Pres. for Economic Policy (APEP)
  - → Presidential Determinations (PD) for Defense Production Act
- **OMB** Office of Management and Budget
- **FPISC** Federal Permitting Improvement
  - → FAST-41 Transparency Projects
  - → FAST-41 Covered Projects
- **OSTP** Office of Science & Technology
- **NSTC** National Science & Technology
  - NSTC Critical Minerals Subcommittee (co-chairs DOE, USGS, OSTP)
  - NSTC Critical Materials Subcommittee (co-chairs DOE, USGS, OSTP)
- **CEQ** Council on Environmental Quality
- **NEDC** National Energy Dominance
  - Co-Chairs: Energy and Interior Secs.
    - Executive Director / Deputy Asst. to the Pres.

Department of War

Service Branches (PMOs, Acquisitions, Platforms, etc)

- Deputy Secretary of War
  - Chief Technology Officer (CTO) / Undersec. of Def. - Research & Engineering
    - Defense Advanced Research Projects Agency (DARPA)
    - **Office of Strategic Capital**
    - Defense Innovation Unit
  - Undersec. - **Acquisition & Sustainment**
    - Asst. Sec. - Sustainment
    - Asst. Sec. - Industrial Base Policy (AS-IBP)
      - Dep. Asst. Sec. - Industrial Base Resilience (IBR)

DOW Funding Programs

Crit. Mat. Equity Projects:
Alcoa-Sojitz, West. Australia
Ambler Metals, AK
Atalco, LA & Jamaica
Korea Zinc, TN & Korea
MP Materials, CA/TX/NV
MP/Ma'aden, Saudi Arabia
ReElement, IN
Vulcan Elements, NC

- **OSC Credit Program**
- Defense Logistics Agency (DLA)
  - **National Defense Stockpile**
    - NDS Transaction Fund
    - **Strategic and Critical Materials Biennial Report on Stockpile Requirements**
- Manufacturing Capability Expansion & Investment Prioritization (IBR-MCEIP)
  - **Innovation Capability & Modernization (ICAM)**
    - **Cornerstone Consortium**
  - **Defense Production Act Investments**
    - **DIBC**

Asst. Secretary of the Army for Civil Works

Export-Import Bank of the US (EXIM)

Project Vault: U.S. Strategic Critical Minerals Reserve

- "Make More in America" Initiative (MMIA)
- China Transformational Exports Program (CTEP)
- Supply Chain Resiliency Initiative (SCRI)

Development Finance Corporation

- Domestic **DPA Loans** & Delegated Authority per EO 14241 *(Not exercised as of 2/5/26)*
- BUILD Corporate Equity Investment Account
- **Mining Investments:** Orion Critical Mineral Consortium ('25) TechMet Brazil ('22) Lobito Corridor Gabon Mineral Port ('19) Guinea Sangaredi Bauxite ('16)

State Department

- Undersec. for Economic Affairs
  - Energy Resources Governance Initiative (ERG)
  - Bureau of Economic, Energy, and Business Affairs
    - Partnership for Global Infrastructure Investment (PGII)
- **Pax Silica**
  - **PAX SILICA Signatories** U.S. + Australia, Greece, India, Israel, Japan, Qatar, Republic of Korea, Singapore, UAE, UK
- **FORGE: Forum on Resource Geostrategic Engagement**
  - **Chair: Republic of Korea** (thru June)
  - **Members**: U.S.; others not yet public.
  - Prior MSP members: Australia, Belgium, Canada, Estonia, Finland, France, Germany, India, Italy, Japan, New Zealand, Norway, ROK, Sweden, the U.K., U.S., and the European Union.
- **Critical Mineral Agreements, MOUs, & other agreements (21 as of 2/5/26)**
- **MINVEST** (Minerals Investment Network for Vital Energy Security and Transition) MOU

EPA

- Regulatory (Air, Water, Waste) Clean Air Act, TSCA, etc.
- **Clean Water Act Permits:** Section 401 - Wetlands/Fill Section 402- Discharge (NPDES)
- US Army Corps of Engineers - Civil Works
- CERCLA/ Superfund (Abandoned Mine Land)
- Recycling (Voluntary Consensus Standards)
- Research (Partnerships, NSF, etc.)

State & Tribes (Clean Water & Air permitting)

- **Section 401 Certification** State Review of 401/402 Permits

NOAA ESA Consultation for Marine and Anadromous Species (Salmon, steelhead, etc)

Department of the Interior

- US FWS
- OSMRE (Tech Development & Transfer)
- BOEM (Marine Minerals)
- BLM
- US Forest Service
- Asst. Secretary - Fish & Wildlife & Parks
- Asst. Secretary - Land & Mineral Management
- Asst. Secretary - Insular & International Affairs
  - Office of Insular Affairs
- Asst. Secretary - Water & Science
  - **USGS**
    - Core Science: Earth Mapping Resources Initiative (EarthMRI)/ Mineral Resources Program
    - Labs & Research Programs
    - Mapping Resources - 3D Elevation Program (3DEP), National Cooperative Geologic Mapping Program (NCGMP), etc.
    - National Minerals Information Center
      - **Critical Minerals List** (USGS-led)
      - **Critical Materials List** (DOE-led)
      - Mineral Commodity Summaries (annual)
- States and Tribes: SHPO & THPO Consultation & MOA/PA
- Section 106 Review - NHPA
- Federal Permitting, Licensing, and Assistance Section: Formal ACHP Advisory Comment Process if SHPO/ THPO agreement not reached

Advisory Council on Historic Preservation

Department of Agriculture

Department of Energy

- Enhanced Use of Defense Production Act of 1950
- Uranium Leasing Program (Ur/VN in Colorado)
- Office of Legacy Management
- Advanced Research Projects Agency (ARPA-E)
  - RECOVER Wastewater Program
- Under Sec. for Energy (S3)
  - Office of Electricity
  - **Office of Energy Dominance Financing**
  - **Hydrocarbons and Geothermal Energy Office**
    - National Energy Technology Laboratory (NETL)
    - Long-Duration Energy Storage Demonstrations
    - DOE/DOD Long-Duration Energy Storage Joint Program
    - Tribal Energy Loan Guarantee Program *($3.6b approp. thru 2028, $40b portfolio authority)*
    - Office of DAS for Resource Sustainability (R&D, Minerals Sustainability, etc.)
    - Energy Dominance Financing Program *($3.6b approp. thru 2028, $40b portfolio authority)*
    - Mine of the Future Initiatives
    - ATVM Loans (Advanced Technology Vehicle Manufacturing), *$3b approp thru 2028, no portfolio cap)*
    - Mines & Metals Capacity Expansion Grants
- Under Sec. for Science (S4)
  - Office of Science
    - **National Labs**
      - Pacific NW NL (PNNL) & Idaho, Lawrence
      - Livermore, Oak Ridge, etc.
      - Ames
      - National Laboratory of the Rockies
      - Argonne
        - Li-Bridge
    - Energy Innovation Hubs
      - Critical Minerals Institute
      - Joint Center for Energy Storage Research
- Asst. Sec. of Energy (EERE)
  - **Office of Critical Minerals and Energy Innovation (CMEI)**
    - Office of Energy Technology (ET)
      - Transportation Technologies Office (ETSA of 2007, P.L 110-140)
    - Office of Critical Minerals, Materials, and Manufacturing (CM3)
      - Advanced Materials and Manufacturing Technologies (AMMTO)
        - Critical Minerals and Materials Accelerator
      - Manufacturing Deployment *(formerly MESC)*
        - Battery Material Processing and Battery Manufacturing & Recycling Grants
        - Rare Earth Element Demonstration Facility
      - Advanced Mining and Mineral Production Technologies
        - IIJA Manufacturing and Conversion Grants

Department of the Treasury

- IRS
  - *30D / 45W - Vehicle Tax Credits* **Repealed Effective 9/30/25**
  - **45X Production Tax Credit** (Crit. Min., Batteries & Components) 2031 Phaseout
  - **48C Investment Tax Credit** (Battery, Manufacturing, Crit. Min. Processing)
- Asst. Sec. - Tax Policy
- Undersec. - Terrorism and Financial Intelligence
  - Office of Foreign Asset Controls (Sanctions enforcement)
- Undersec. - International Affairs
  - International Finance/Trade & Development

Committee on Foreign Investment in the US

United States Trade Representative (USTR)

- Free Trade Agreements (20 Countries)
- Industry Trade Advisory Committees
- ITACS - Critical Minerals & Nonferrous Metals
- Office of Critical Minerals and Metals
- Asst. Sec. - Industry & Analysis
- International Trade Administration (Select USA)
- US International Trade Commission (US ITC)
  - Harmonized Tariff Schedule (HTS)
- Undersec. - International Trade

Department of Commerce

- National Marine Fisheries Service (NMFS)
- NOAA
- International Section on Seabed Minerals
- National Institute of Standards and Technology
- U.S. Investment Accelerator
  - **Crit. Mat. Equity Projects:** Korea Zinc, TN & Korea USA Rare Earth, TX/OK Vulcan Elements, NC
  - **CHIPS Program Office**
- Bureau of Industry & Security
  - National Defense Stockpile Market Impact Committee
  - Section 232 Tariff Determinations

Department of Labor

- Mine Safety & Health Administration (MSHA)
- Bureau of International Labor Affairs (Child labor, Enforcement, etc.)

Securities & Exchange Commission

- SEC S-K 1300
- Conflict Minerals Disclosures - Sec. 1502 Dodd-Frank

Director of National Intelligence

- Intel Agencies

NASA

- Railroad Valley Satellite Calibration (withdrawal)
- Earth Science

Select Non-Governmental Organizations

- National Mining Association (NMA)
- American Exploration & Mining Association (AEMA)
- SAFE
- Benchmark Minerals Intelligence
- Zero Emission Transportation Alliance (ZETA)
- National Academy of Sciences (NAS) *(DOE & USGS funding)*
- Foundation for American Innovation (FAI)
- Battery Manufacturers Technology Coalition (BMTC)
- Bipartisan Policy Center (BPC)
- Institute for Progress (IFP)
- Wilson Center
- Electrification Coalition
- Special Competitive Studies Project (SCSP)
- Center for Strategic & International Studies (CSIS)
- American Critical Mineral Association (ACMA)
- Silverado Policy Accelerator *(Trade focus)*

Selected Laws of Note:

- NDAA (2017-Present)
- DFC Modernization and Reauth. Act of 2025 (PL 119-60)
- One Big Beautiful Bill Act (PL119-21)
- Fiscal Responsibility Act (PL118-5)
- IRA - Inflation Reduction Act (PL117-169)
- CHIPS and Science Act (PL117-167)
- IIJA - Infrastructure Investment & Jobs Act (PL117-58)
- Energy Act of 2020 (PL 116-20, Div Z)
- National Materials and Minerals Policy, R&D Act of 1980 (PL96-479)
- Defense Production Act
- Federal Land Policy Management Act
- National Defense Stockpile Act
- Mining Law of 1872

Significant Deadlines & Sunsets:

- DPA Sunset (50 USC 4564) - September 30, 2026
- Exlm Sunset (12 USC 635) - December 31, 2026
- Enhanced prohibition on acquisition of sensitive materials (mag/W/Ta/Mo) - Effective January 1, 2027
- Gallium/Germanium prohibitions - December 18, 2027
- DFC Sunset (22 USC 9624) - December 31, 2031
- 45X Production Tax Credit (10% of costs) - Phaseout starting 2031; 2.5%/year. No credit as of January 1, 2034.

C&A CASSIDY | ASSOCIATES

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Updated periodically.
Contact author for most recent version.

Legend

- **DEPARTMENTS & INDEPENDENT AGENCIES**
- Key Position (Sec/Under Sec/etc.)
- Bureau / Agency — *Red Border for Key Permitting Agency*
- Sub-Agency Office, Divisions, and other Entities — Equity Investments
- Program
- Policy, Initiative, etc
- Permitting Process/ Regulatory Process
- Direct, Hierarchical Link
- Interagency Link
- Permitting Link

Domestic Focus — International Focus

Federal Critical Minerals & Materials Ecosystem – Version 2.1 (February 2026)
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