

the Director of the United States Geological Survey, shall develop a plan for the modeling and forecasting of demand for energy technologies, including for energy production, transmission, or storage purposes, that use minerals that are or could be designated as critical minerals.

(2) Inclusions

The plan developed under paragraph (1) shall identify—

(A) the type and quantity of minerals consumed, delineated by energy technology;

(B) existing markets for manufactured energy-producing, energy-transmission, and energy-storing equipment; and

(C) emerging or potential markets for new energy-producing, energy-transmission, and energy-storing technologies entering commercialization.

(b) Metrics

The plan developed under subsection (a)(1) shall produce forecasts of energy technology demand—

(1) over the 1-year, 5-year, and 10-year periods beginning on the date on which development of the plan is completed;

(2) by economic sector; and

(3) according to any other parameters that the Administrator, in collaboration with the Secretary of the Interior, acting through the Director of the United States Geological Survey, determines are needed for the Annual Critical Minerals Outlook.

(c) Collaboration

The Administrator shall develop the plan under subsection (a)(1) in consultation with—

(1) the Secretary with respect to the possible trajectories of emerging energy-producing and energy-storing technologies; and

(2) the Secretary of the Interior, acting through the Director of the United States Geological Survey—

(A) to ensure coordination;

(B) to avoid duplicative effort; and

(C) to align the analysis of demand with data and analysis of where the minerals are produced, refined, and subsequently processed into materials and parts that are used to build energy technologies.

(Pub. L. 117-58, div. D, title IV, § 40415, Nov. 15, 2021, 135 Stat. 1044.)

Statutory Notes and Related Subsidiaries

WAGE RATE REQUIREMENTS

For provisions relating to rates of wages to be paid to laborers and mechanics on projects for construction, alteration, or repair work funded under div. D or an amendment by div. D of Pub. L. 117-58, including authority of Secretary of Labor, see section 18851 of this title.

§ 18776. Expansion of international energy data

(a) In general

Not later than 1 year after November 15, 2021, the Administrator shall implement measures to expand and improve the international energy data resources of the Energy Information Administration in order to understand—

(1) the production and use of energy in various countries;

(2) changing patterns of energy use internationally;

(3) the relative costs and environmental impacts of energy production and use internationally; and

(4) plans for or construction of major energy facilities or infrastructure.

(b) Requirements

In carrying out subsection (a), the Administrator shall—

(1) work with, and leverage the data resources of, the International Energy Agency;

(2) include detail on energy consumption by fuel, economic sector, and end use within countries for which data are available;

(3) collect relevant measures of energy use, including—

(A) cost; and

(B) emissions intensity; and

(4) provide tools that allow for straight-forward country-to-country comparisons of energy production and consumption across economic sectors and end uses.

(Pub. L. 117-58, div. D, title IV, § 40416, Nov. 15, 2021, 135 Stat. 1045.)

Statutory Notes and Related Subsidiaries

WAGE RATE REQUIREMENTS

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§ 18777. Harmonization of efforts and data

Not later than 1 year after November 15, 2021, the Administrator shall establish a system to harmonize, to the maximum extent practicable and consistent with data integrity—

(1) the data collection efforts of the Administrator, including any data collection required under this subchapter, with the data collection efforts of—

(A) the Environmental Protection Agency, as the Administrator determines to be appropriate;

(B) other relevant Federal agencies, as the Administrator determines to be appropriate; and

(C) State or regional energy credit registries, as the Administrator determines to be appropriate;

(2) the data collected under this subchapter, including the operating data on electricity generation collected under section 18772(a) of this title, with data collected by the entities described in subparagraphs (A) through (C) of paragraph (1), including any measurements of greenhouse gas and other pollutant emissions collected by the Environmental Protection Agency, as the Administrator determines to be appropriate; and

(3) the efforts of the Administrator to identify and report relevant impacts, opportunities, and patterns with respect to energy use,