(ii) the use of electricity, biofuels, hydrogen, or other alternative fuels to produce process heat; and

(iii) the use of demand response; and

(D) identify current and potential future industrial clusters in which multiple firms and facilities in a defined geographic area share the costs and benefits of infrastructure for clean manufacturing, such as—

(i) hydrogen generation, production, transport, use, and storage infrastructure; and

(ii) carbon dioxide capture, transport, use, and storage infrastructure.

(3) Residential Energy Consumption Survey

With respect to the Residential Energy Consumption Survey, the Administrator shall—

(A) implement measures to provide more detailed representations of data by—

(i) geographic area, including by State (for each State);

(ii) building type, including multi-family buildings;

(iii) household income;

(iv) location in a rural area; and

(v) other demographic characteristics, as determined by the Administrator; and

(B) report measures of—

(i) household electrical service capacity;

(ii) access to utility demand-side management programs and bill credits;

(iii) characteristics of the energy mix used to generate electricity in different regions; and

(iv) the household energy burden for households—

(I) in different geographic areas;

(II) by electricity, heating, and other end-uses; and

(III) with different demographic characteristics that correlate with increased household energy burden, including—

(aa) having a low household income;

(bb) being a minority household;

(cc) residing in manufactured or multifamily housing;

(dd) being in a fixed or retirement income household;

(ee) residing in rental housing; and

(ff) other factors, as determined by the Administrator.

(Pub. L. 117–58, div. D, title IV, § 40413, Nov. 15, 2021, 135 Stat. 1042.)

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.

§ 18774. Data collection on electric vehicle integration with the electricity grids

(a) In general

Not later than 1 year after November 15, 2021, the Administrator shall develop and implement measures to expand data collection with respect to electric vehicle integration with the electricity grids.

(b) Sources of data

The sources of the data collected pursuant to subsection (a) may include—

(1) host-owned or charging-network-owned electric vehicle charging stations;

(2) aggregators of charging-network electricity demand;

(3) electric utilities offering managed-charging programs;

(4) individual, corporate, or public owners of electric vehicles; and

(5) balancing authority analyses of—

(A) transformer loading congestion; and

(B) distribution-system congestion.

(c) Consultation and coordination

In carrying out subsection (a), the Administrator may consult and enter into agreements with other institutions having relevant data and data collection capabilities, such as—

(1) the Secretary of Transportation;

(2) the Secretary;

(3) the Administrator of the Environmental Protection Agency;

(4) States or State agencies; and

(5) private entities.

(Pub. L. 117–58, div. D, title IV, § 40414, Nov. 15, 2021, 135 Stat. 1043.)

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.

§ 18775. Plan for the modeling and forecasting of demand for minerals used in the energy sector

(a) Plan

(1) In general

Not later than 180 days after November 15, 2021, the Administrator, in coordination with 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—