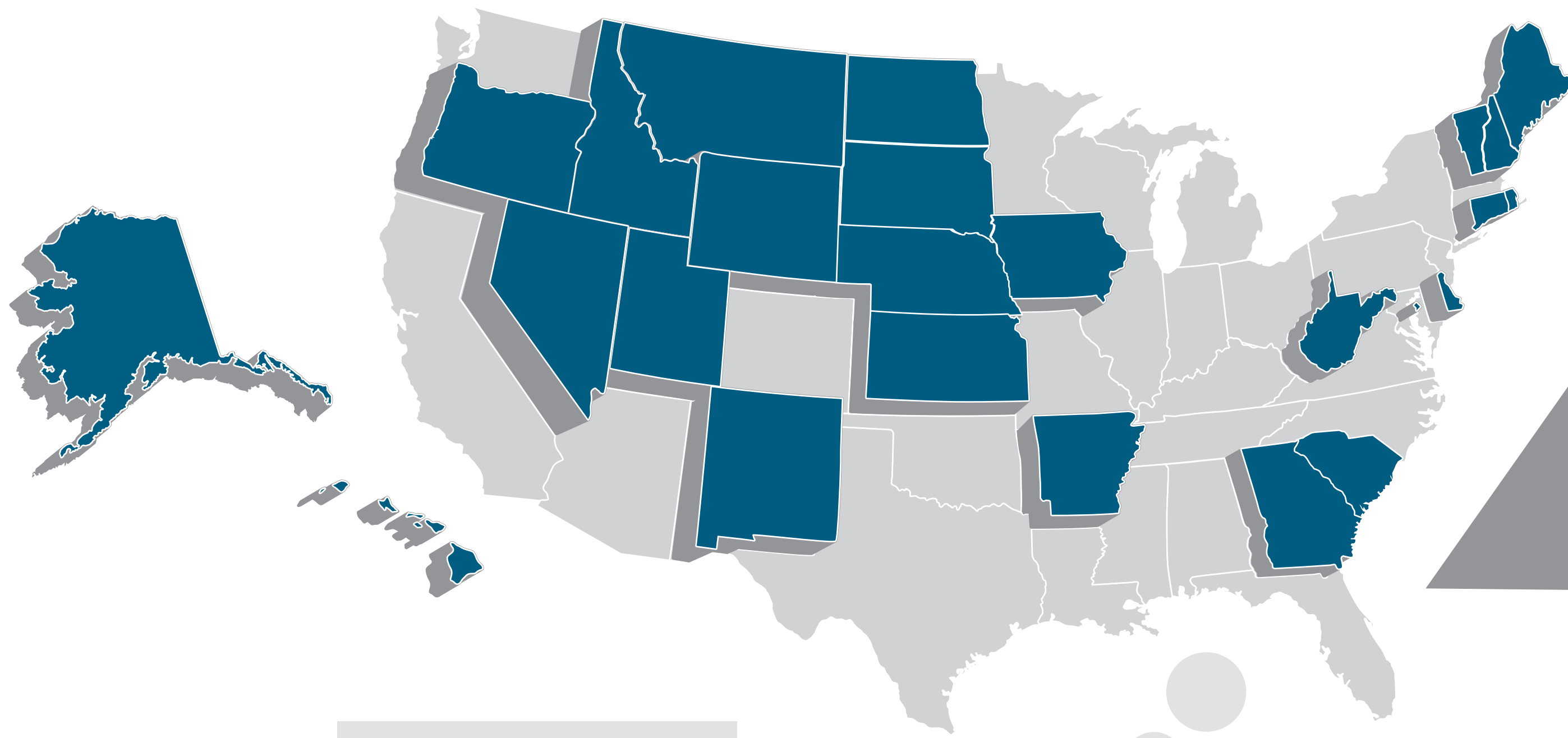


# The United States has the potential to cost-effectively **reduce** its **electricity** use by **741,000 GWh\***



Saving **741,000 GWh** is equivalent to the **electricity used** across all the highlighted states over a full year!<sup>†</sup>

It's equal to **reducing** the nation's **electricity** needs by about **16%** in 2035

Every state could save with energy efficiency, ranging from **12%–21%** savings per state

Energy efficiency is a **low-cost** option, averaging only **4.6¢ per kWh<sup>‡</sup>**

\*from 2016–2035. Electric Power Research Institute, *State Level Electric Energy Efficiency Potential*, 2017.

<sup>†</sup>2015 data; from U.S. Energy Information Administration, "Retail Sales of Electricity by State by Sector by Provider (EIA-861)," Detailed State Data, 2016.

<sup>‡</sup>Lawrence Berkeley National Laboratory, "What It Costs to Save Energy," 2017.

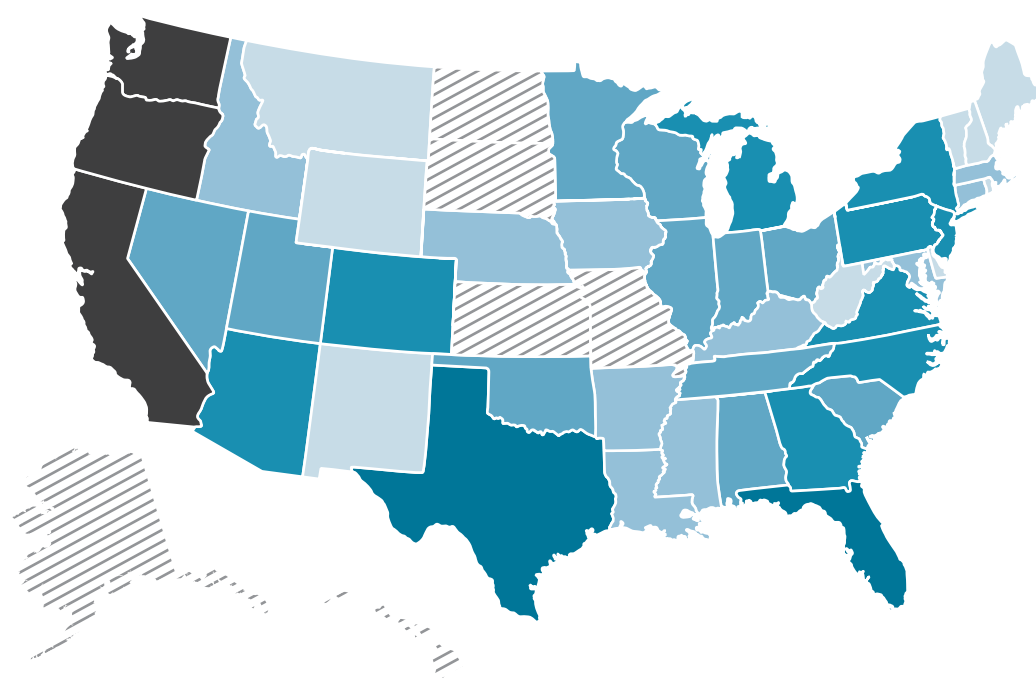
## Where are savings opportunities?

Four pathways to savings across the United States are shown below, with darker blues indicating higher savings potential

### Building Energy Codes

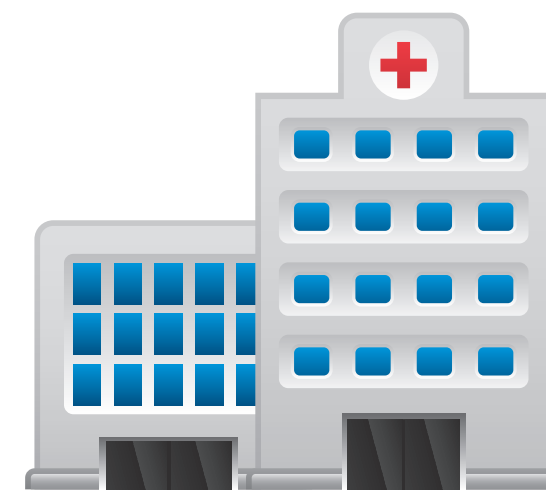


Energy codes set **minimum efficiency requirements** for new and renovated residential and commercial buildings. They are a subset of building codes.

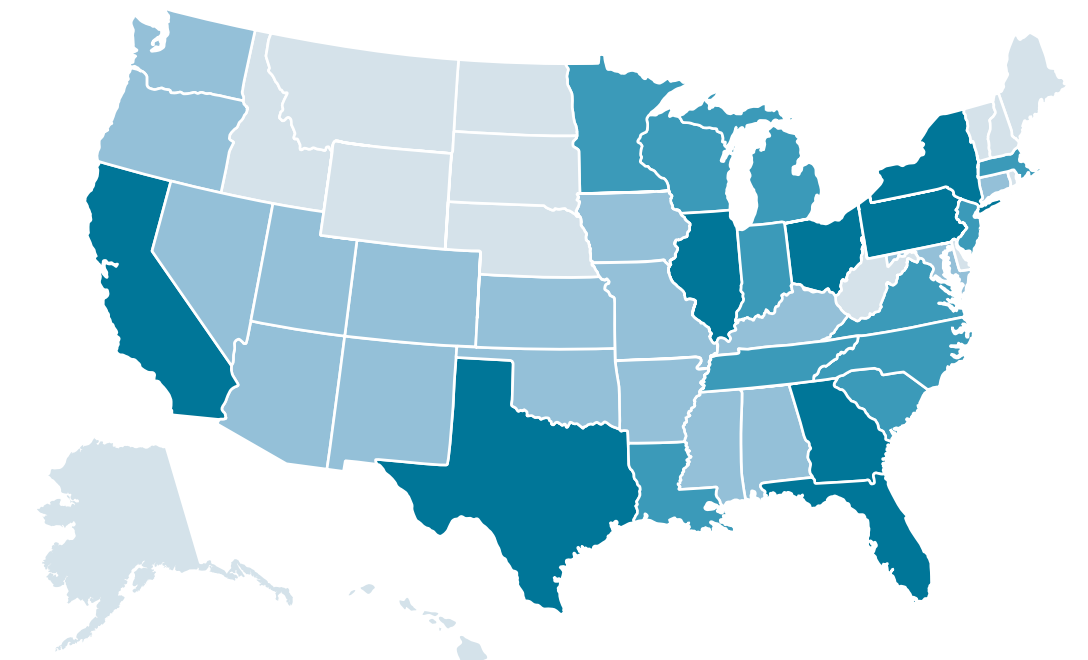


**12,800 trillion Btu**  
total national energy savings potential (2040)

### Combined Heat & Power



Combined heat and power is an integrated system that **generates electrical energy** and efficiently **recovers waste heat** as useful thermal energy at a customer's facility, such as a hospital.

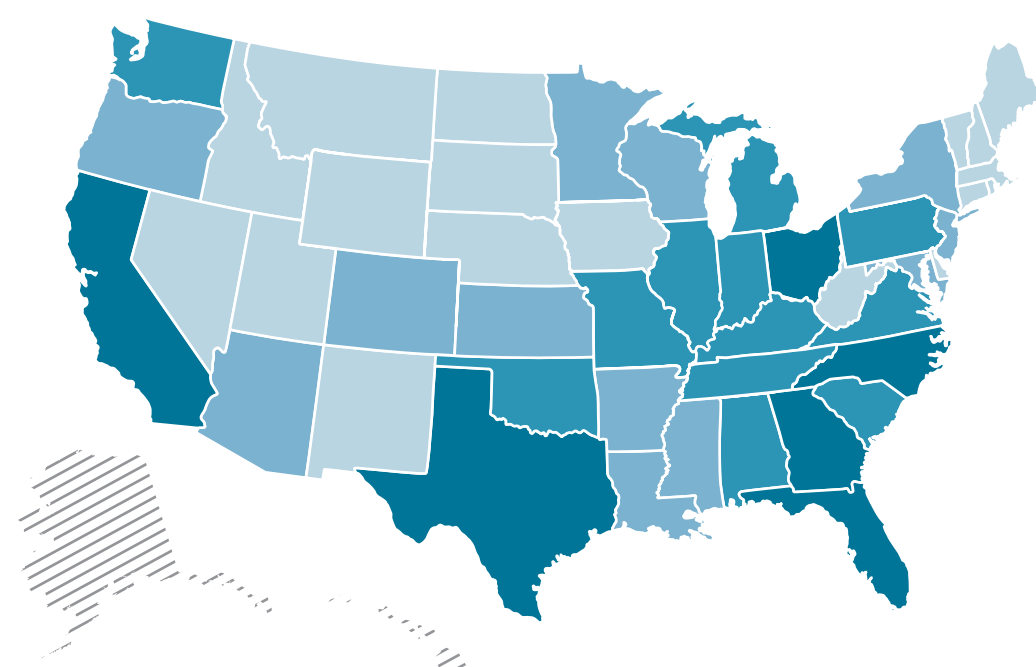


**148,900 MW**  
total national electricity capacity potential (2015)

### Residential Efficiency

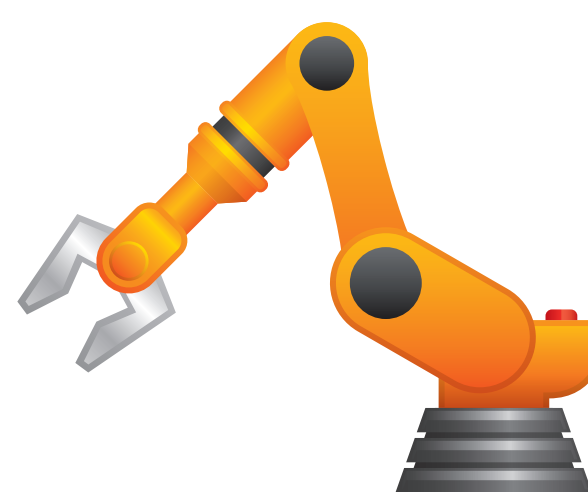


Existing single-family detached homes can **reduce energy waste** by installing insulation, sealing air and duct leaks, and upgrading to more efficient lighting and heating/cooling equipment.

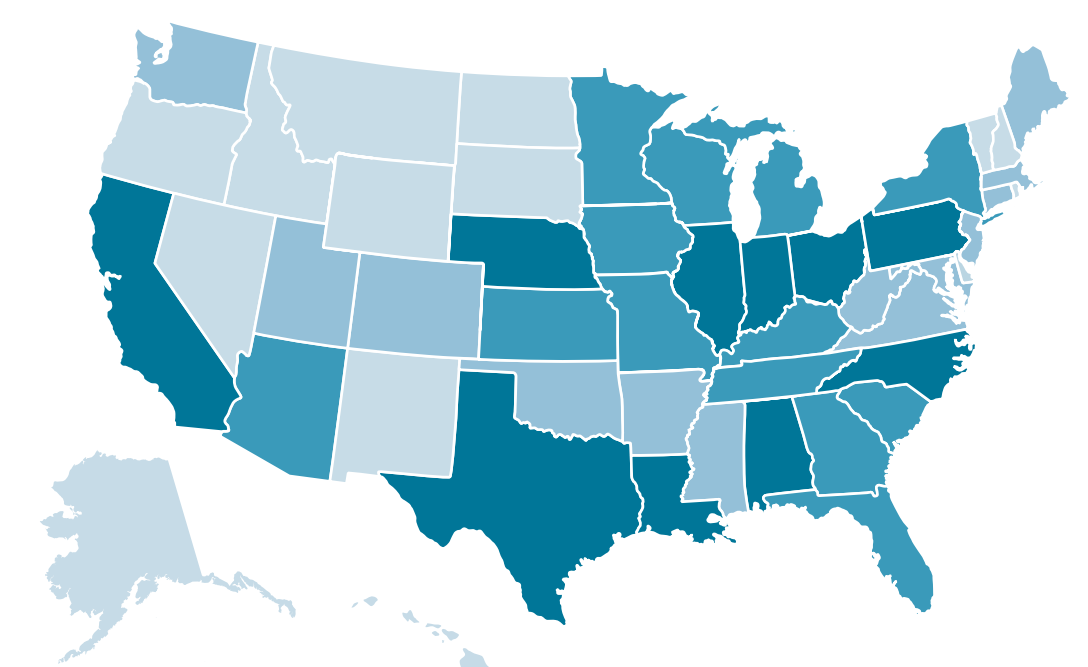


**245,000 GWh**  
total national electricity savings potential (2042)

### Industrial Efficiency



The manufacturing sector can **realize energy savings** from improved equipment, processes, or organizational strategies.



**7,500 trillion Btu**  
total national energy savings potential (2030)