

# U.S. ENERGY GEOGRAPHY

Maps showing where energy resources are located in the United States and other general energy-related information. The maps can be used as transparency masters.



GRADE LEVEL  
4-12

SUBJECT AREAS  
Science  
Social Studies



Putting Energy into Education

NEED Project PO Box 10101 Manassas, VA 20108 1-800-875-5029 [www.NEED.org](http://www.NEED.org)

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## **NEED Mission Statement**

*The mission of the NEED Project is to promote an energy conscious and educated society by creating effective networks of students, educators, business, government and community leaders to design and deliver objective, multi-sided energy education programs.*

## **Teacher Advisory Board Vision Statement**

*In support of NEED, the national Teacher Advisory Board (TAB) is dedicated to developing and promoting standards-based energy curriculum and training.*

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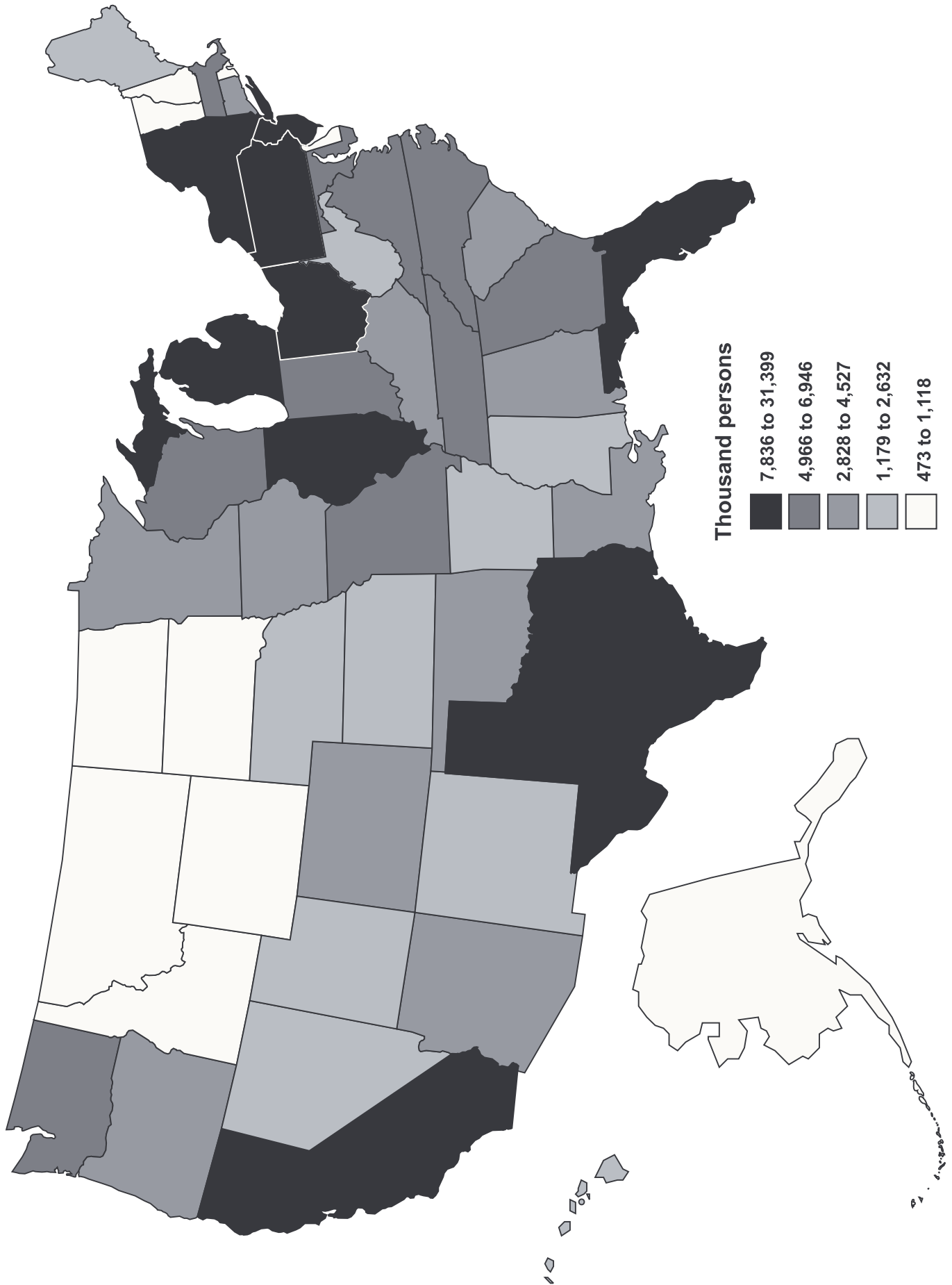
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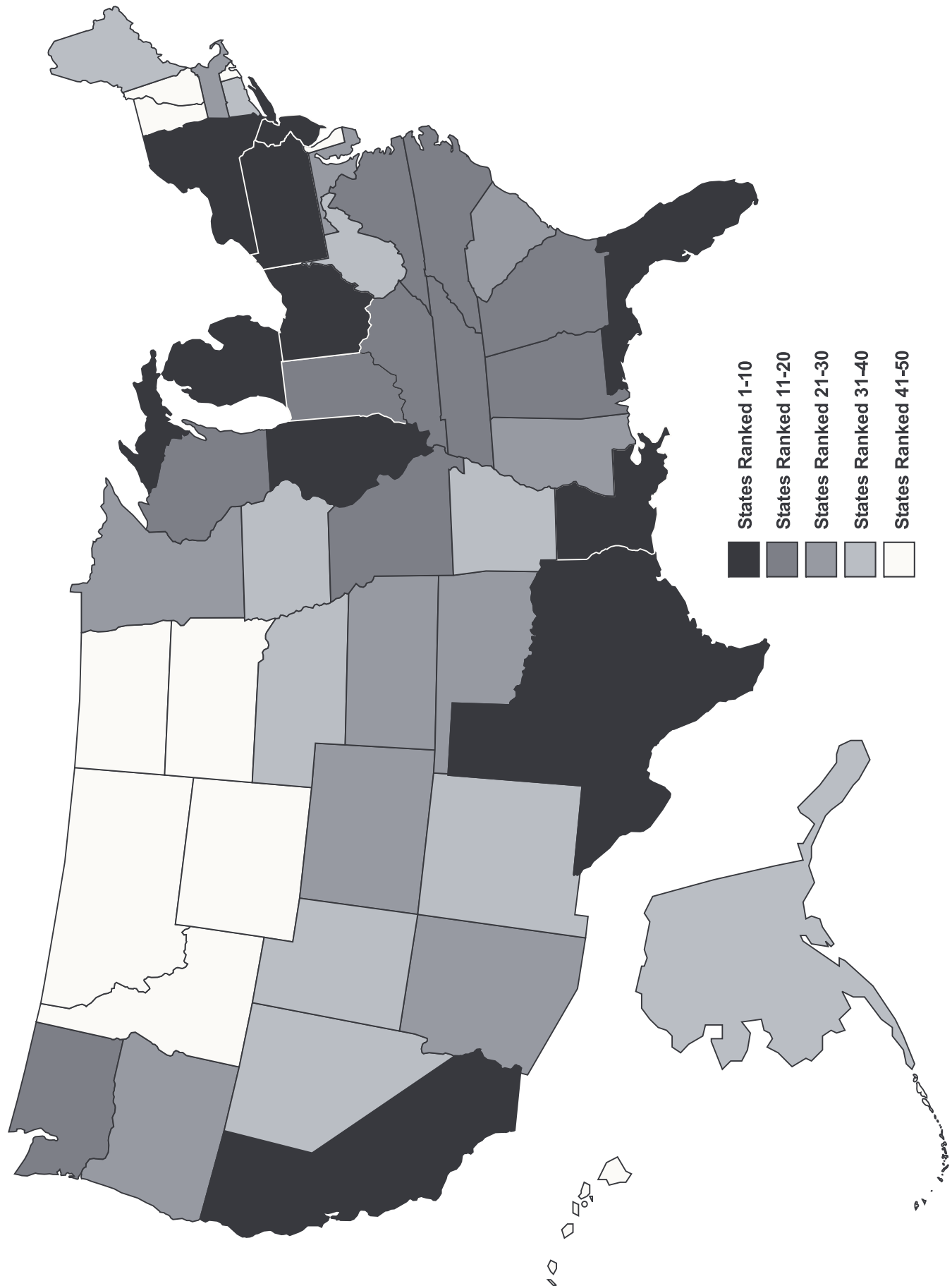
*Teachers: Please use the continent map on page 27 to show students the correct positions of Alaska and Hawaii in relation to the Continental United States. The energy maps show these states out of position to provide more detail.*



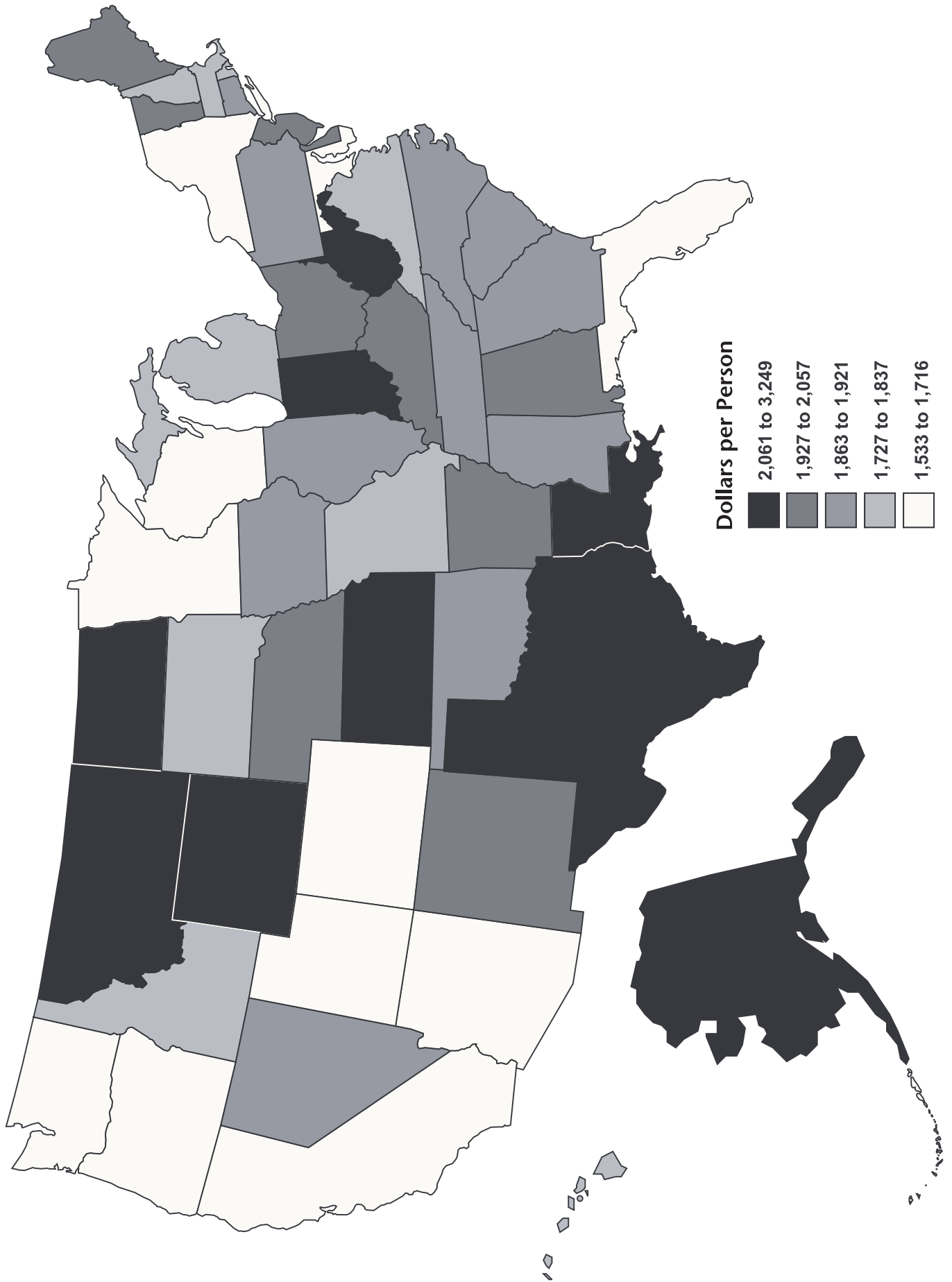
# THE POPULATION OF THE UNITED STATES



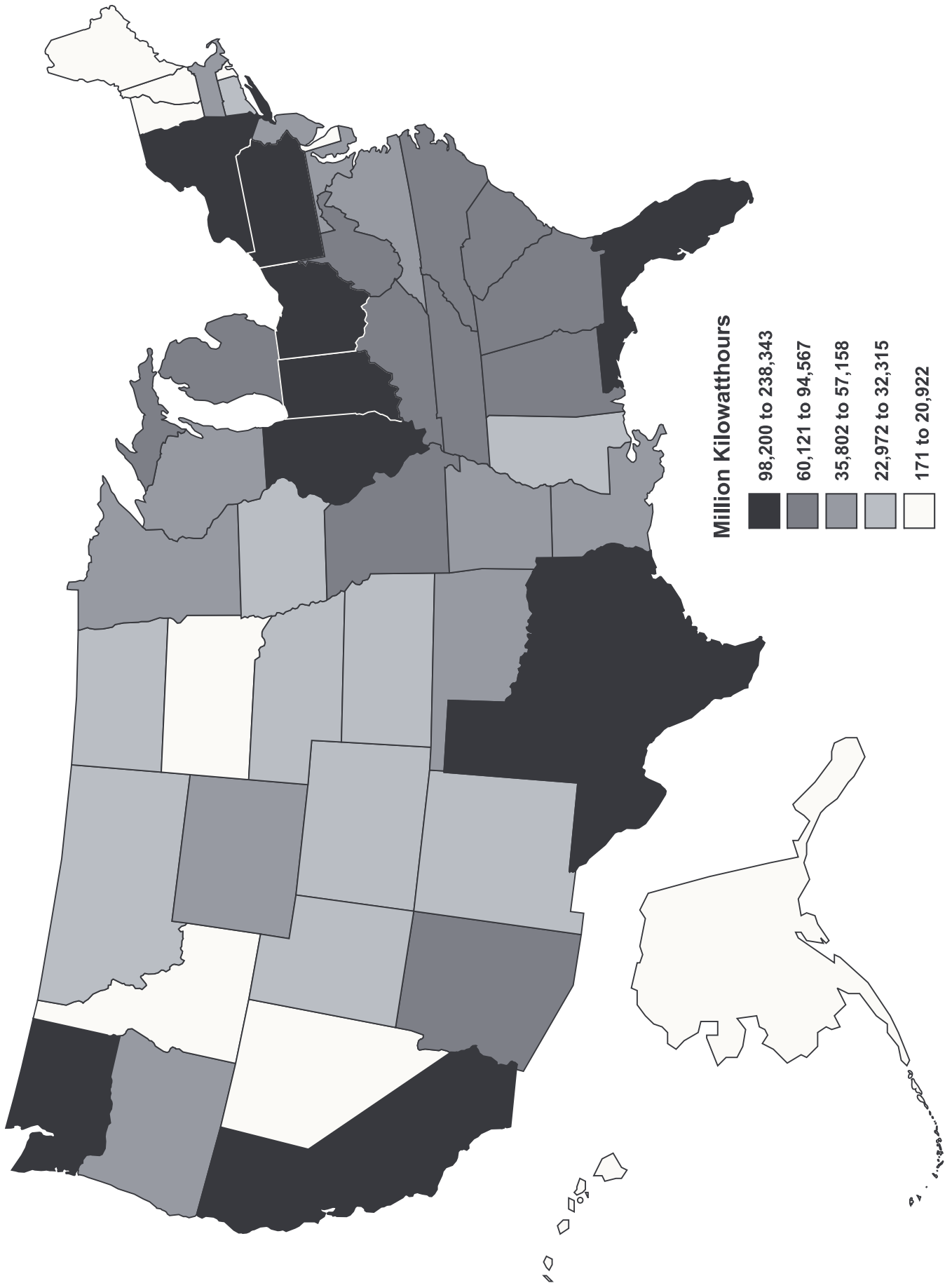
# TOTAL ENERGY CONSUMPTION BY STATE



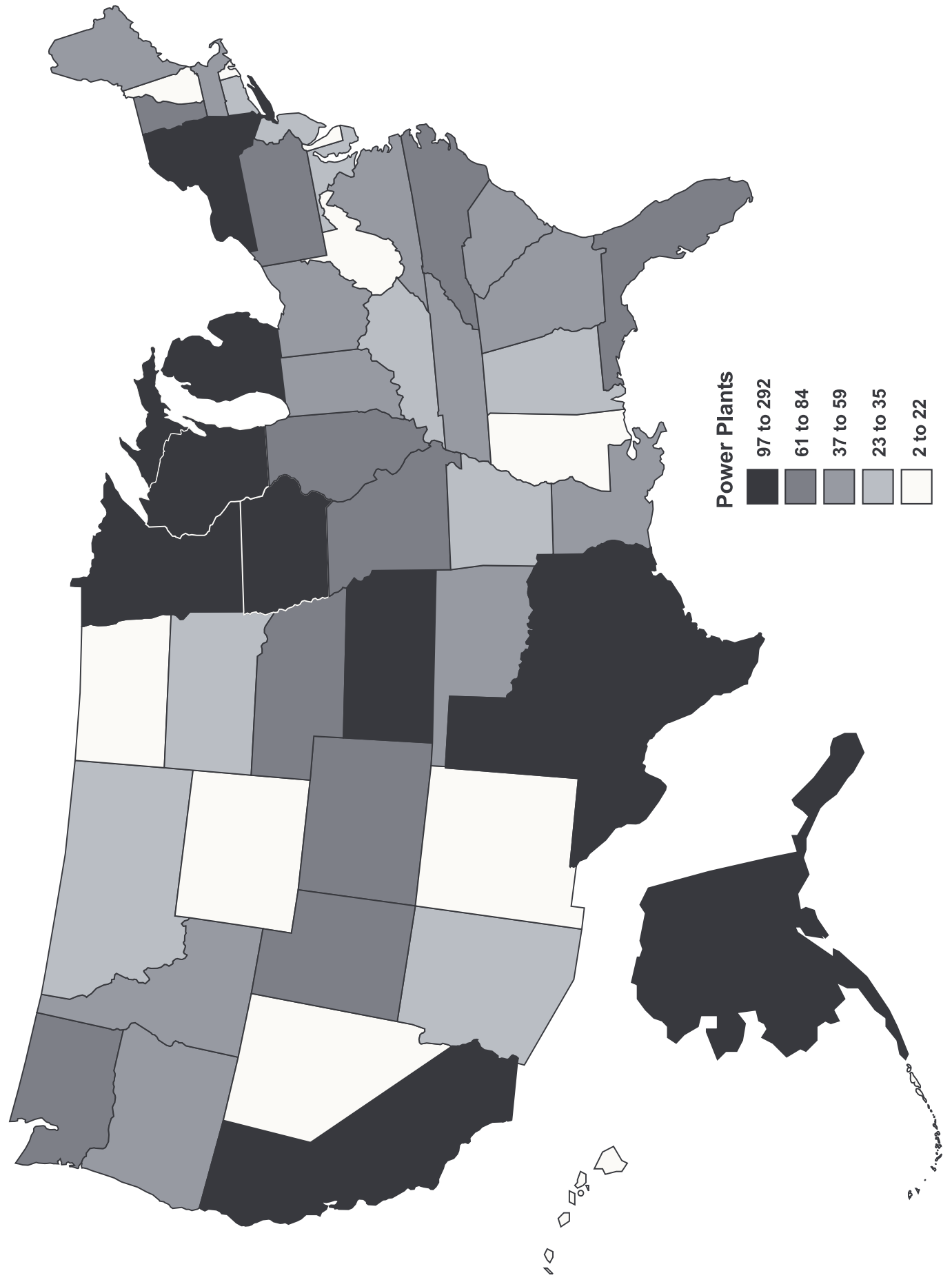
# ENERGY EXPENDITURES IN THE UNITED STATES



# U.S. ELECTRIC POWER GENERATION

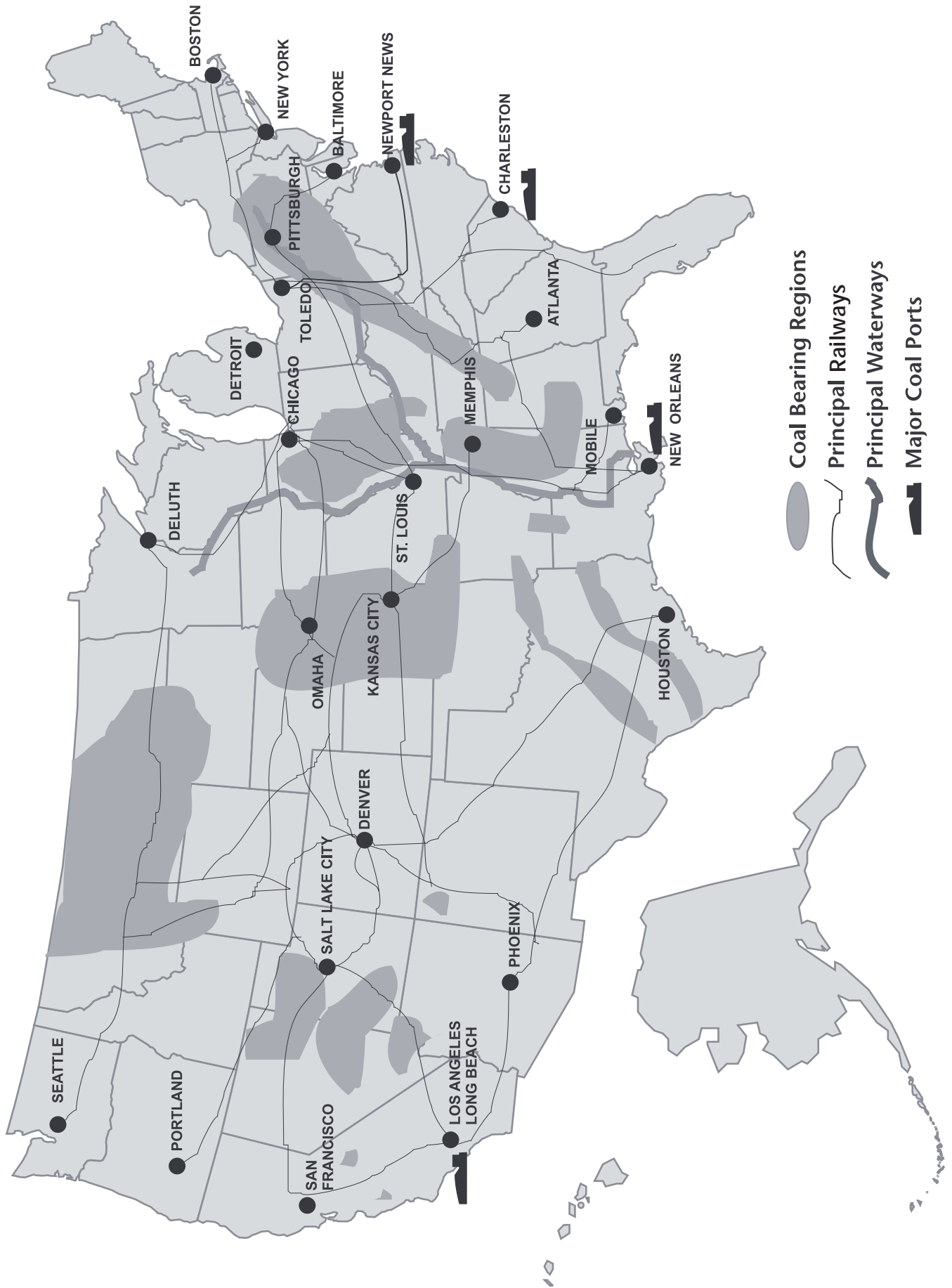


# THE UNITED STATES POWER PLANTS

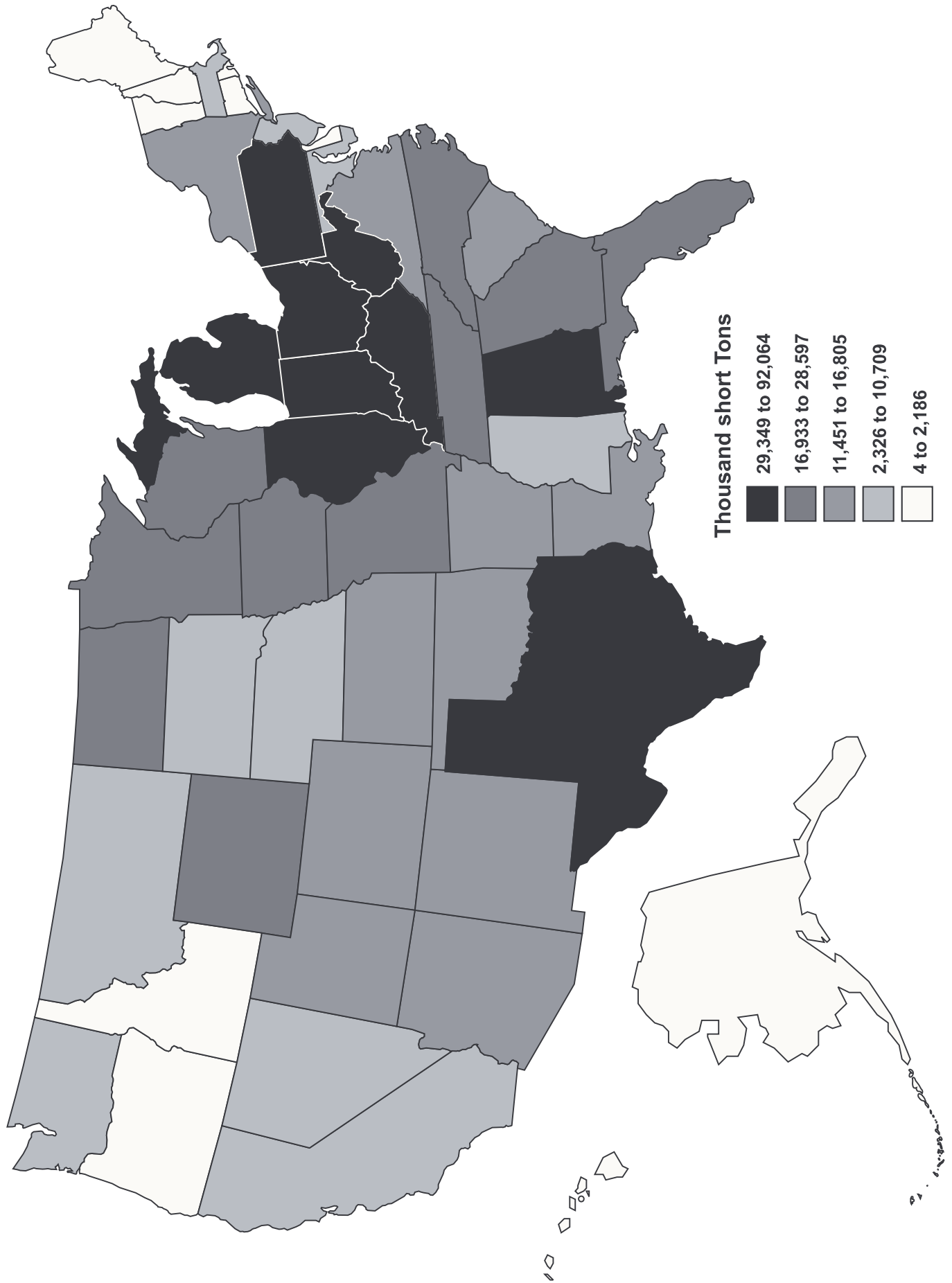




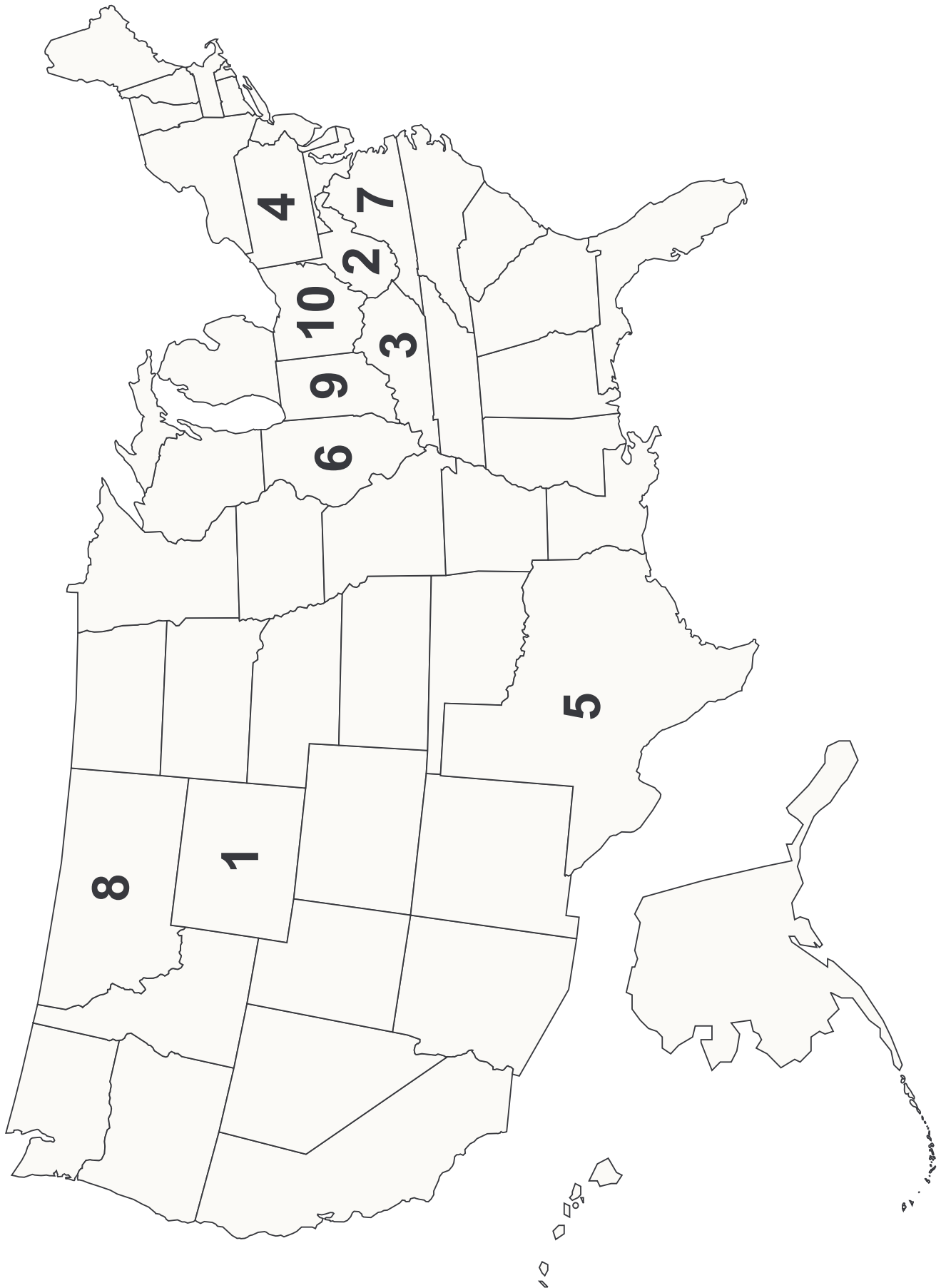
# U.S. COAL BASINS AND MAJOR DISTRIBUTION CORRIDORS



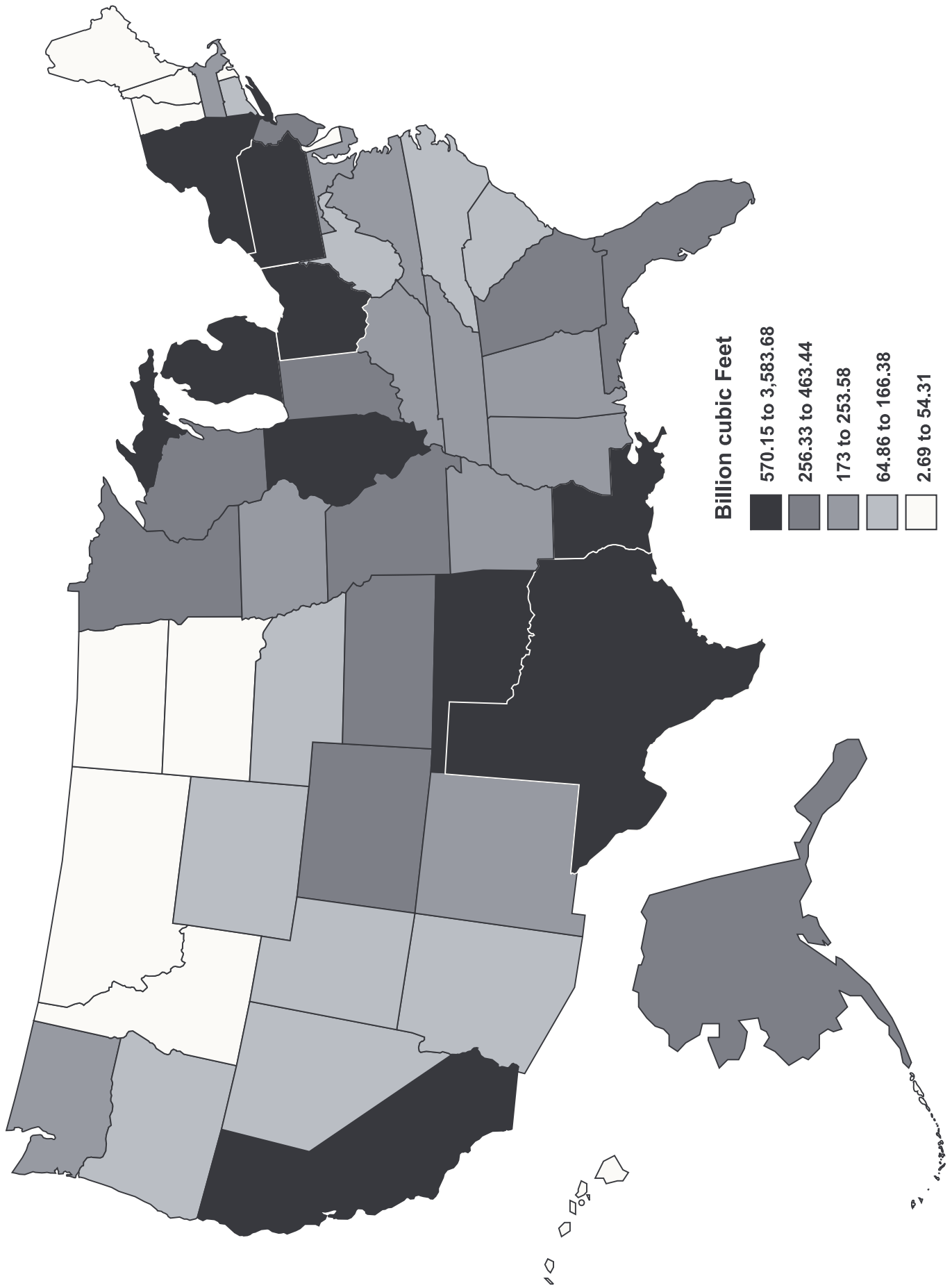
# COAL CONSUMPTION IN THE UNITED STATES



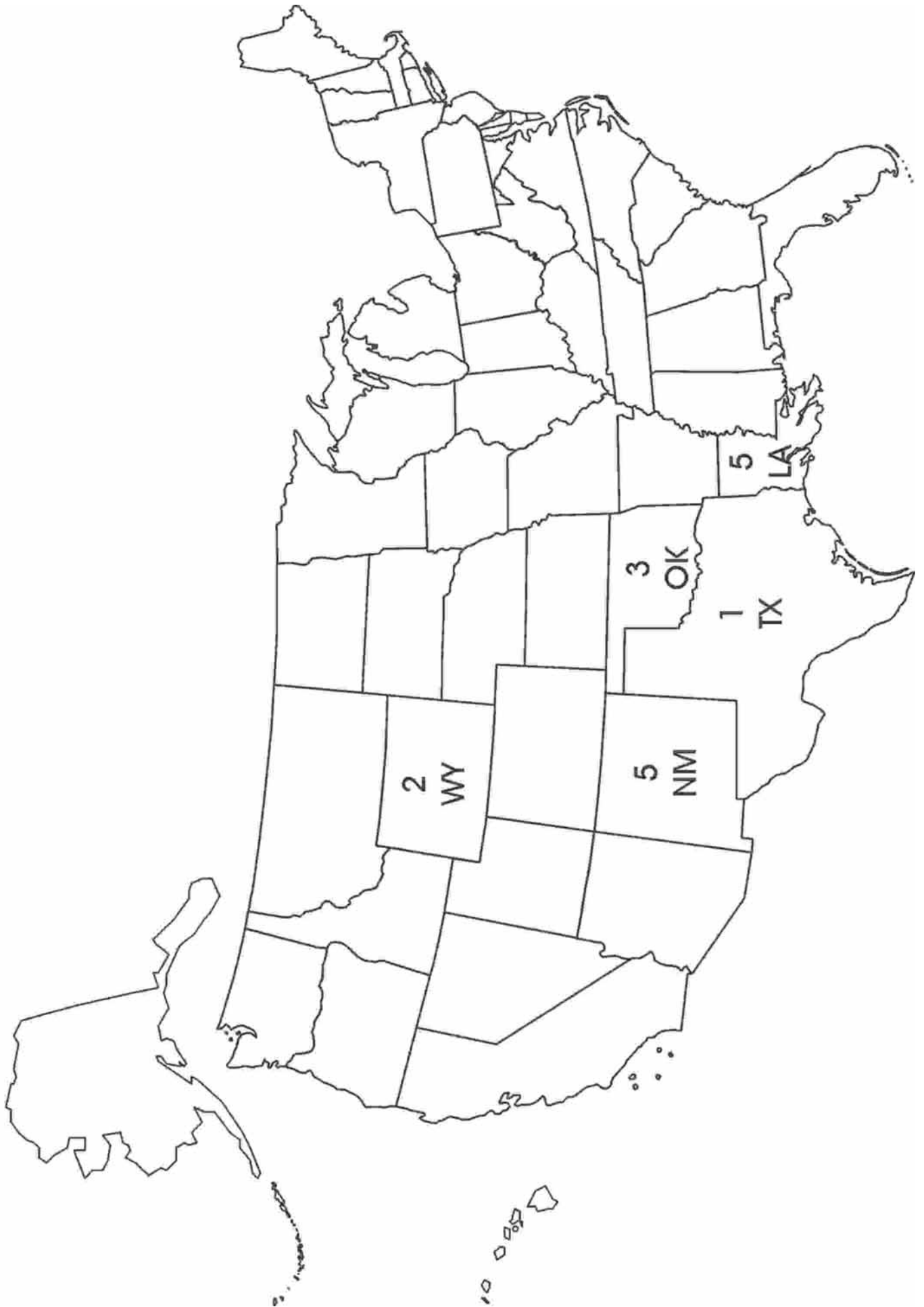
# TOP COAL PRODUCING STATES



# NATURAL GAS CONSUMPTION IN THE UNITED STATES



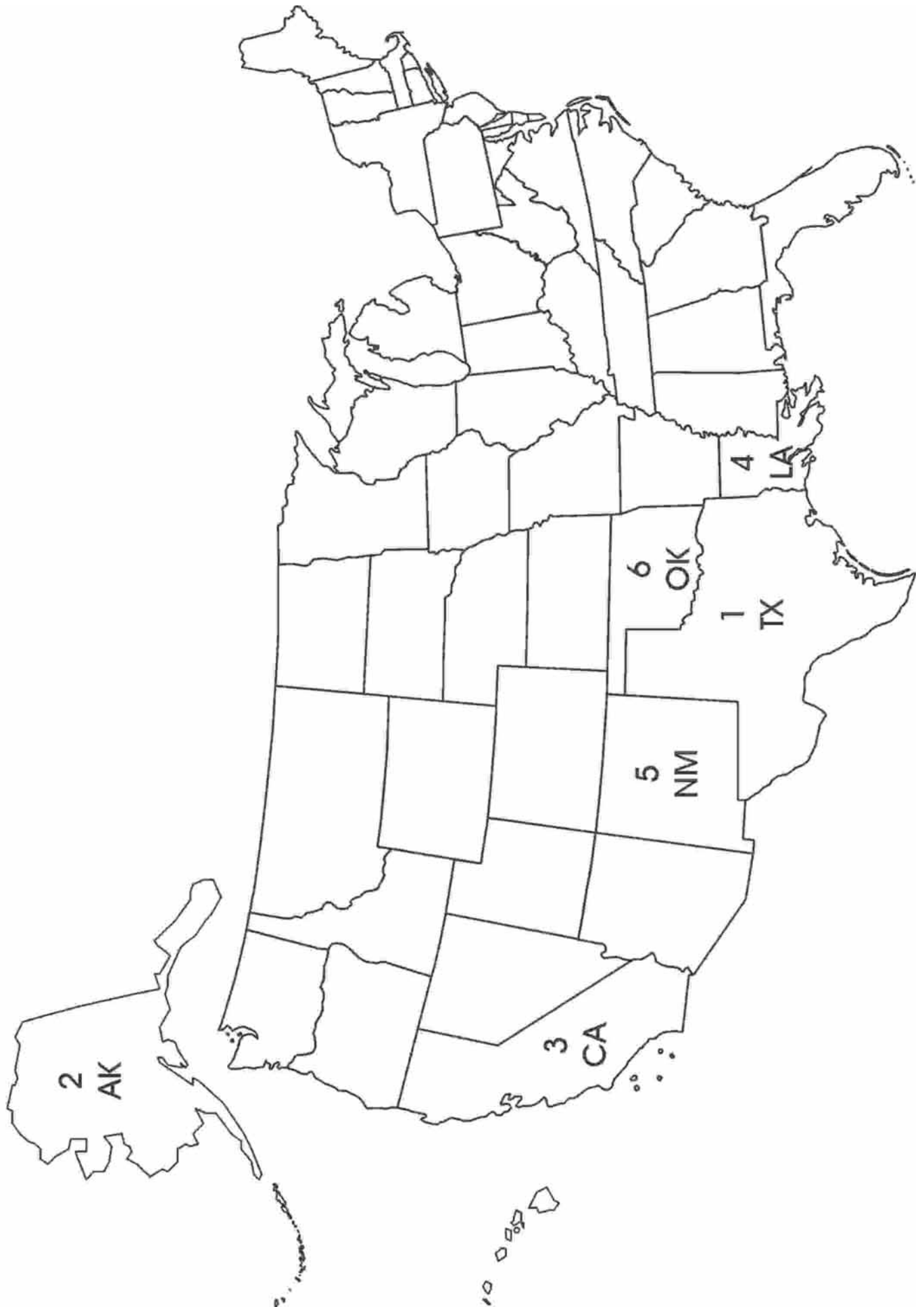
# TOP NATURAL GAS PRODUCING STATES



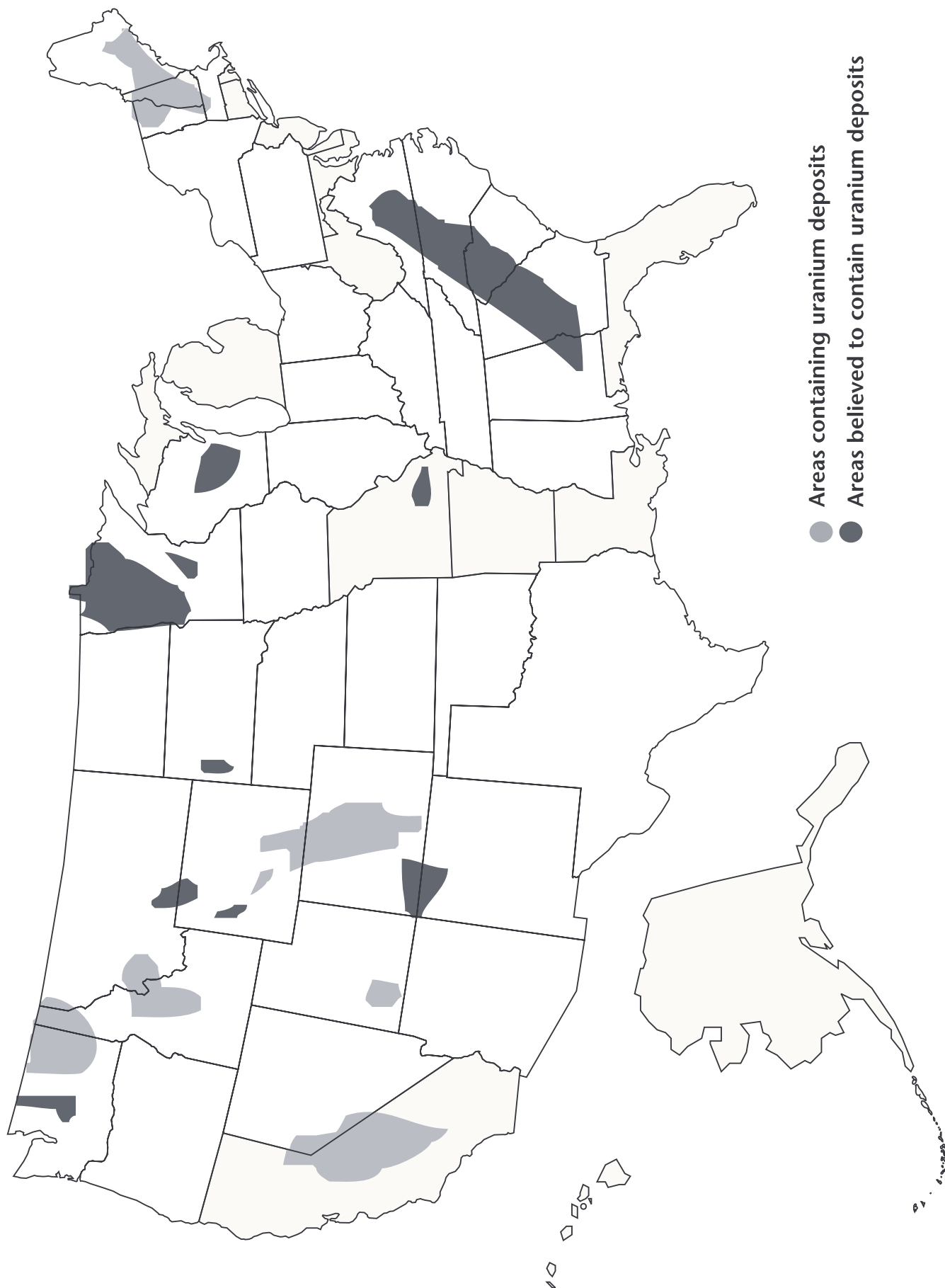
# U.S. OIL AND GAS FIELDS



# TOP PETROLEUM PRODUCING STATES

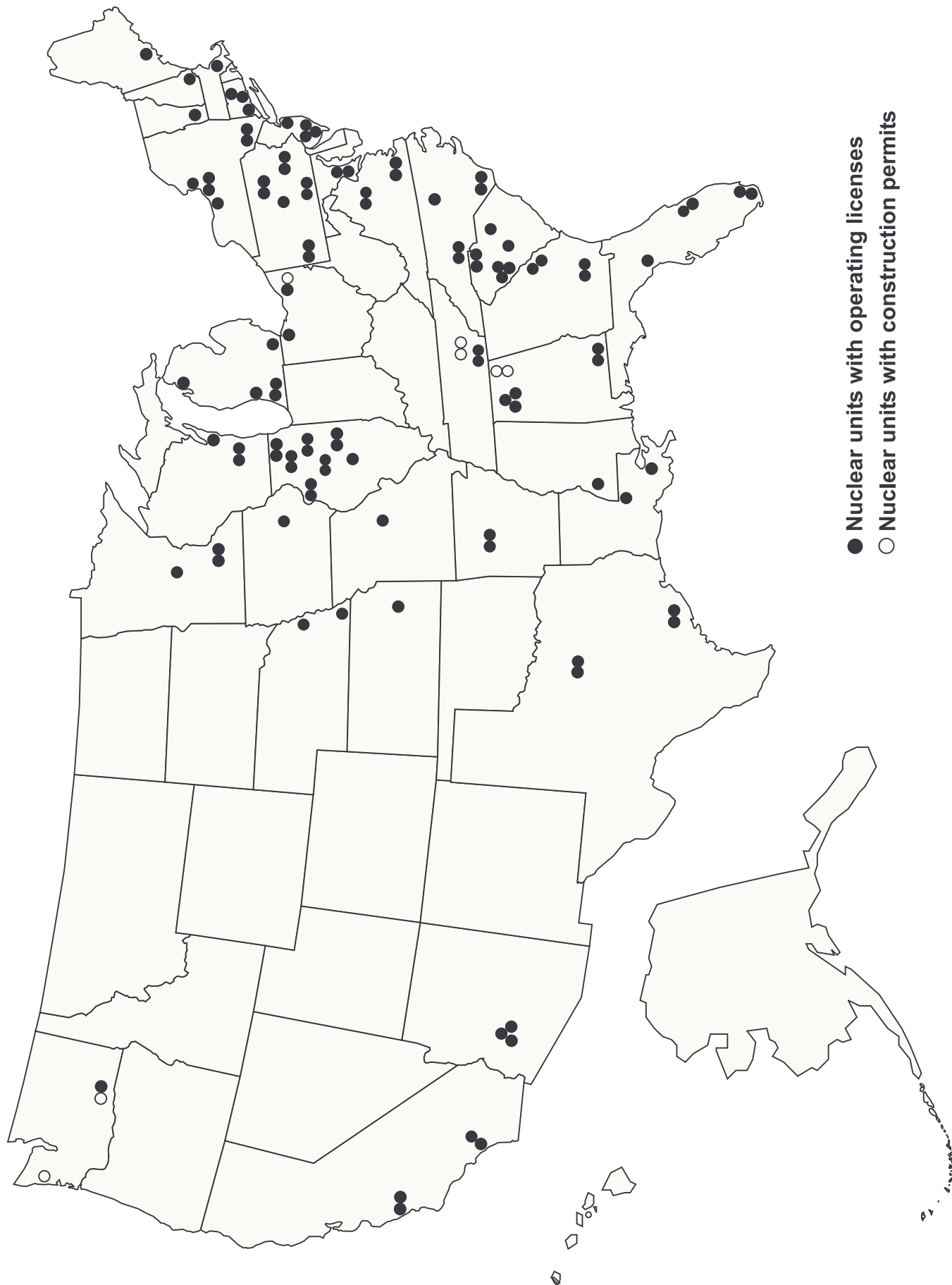


# U.S. URANIUM DEPOSITS



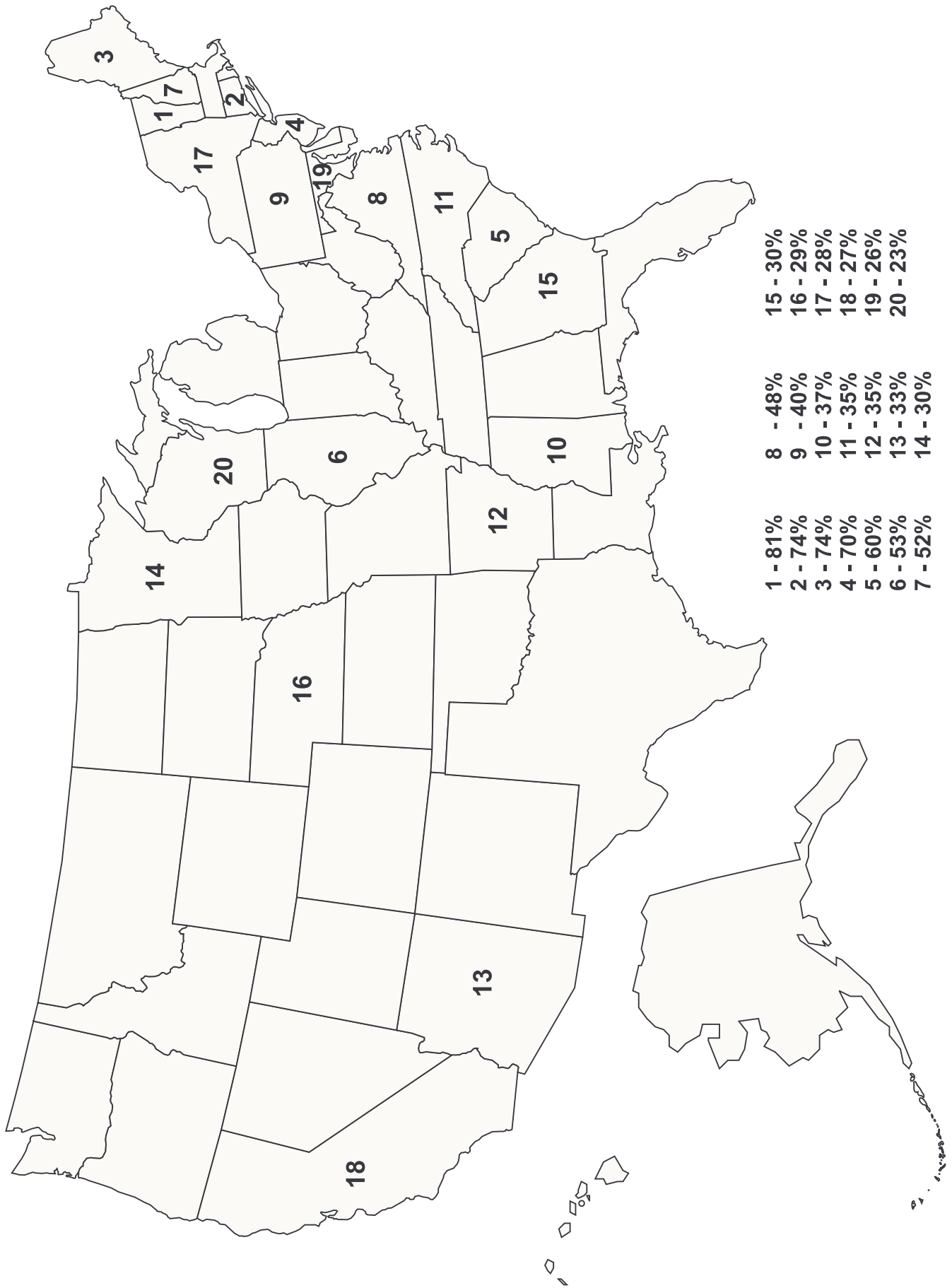


# NUCLEAR POWER PLANTS IN THE UNITED STATES



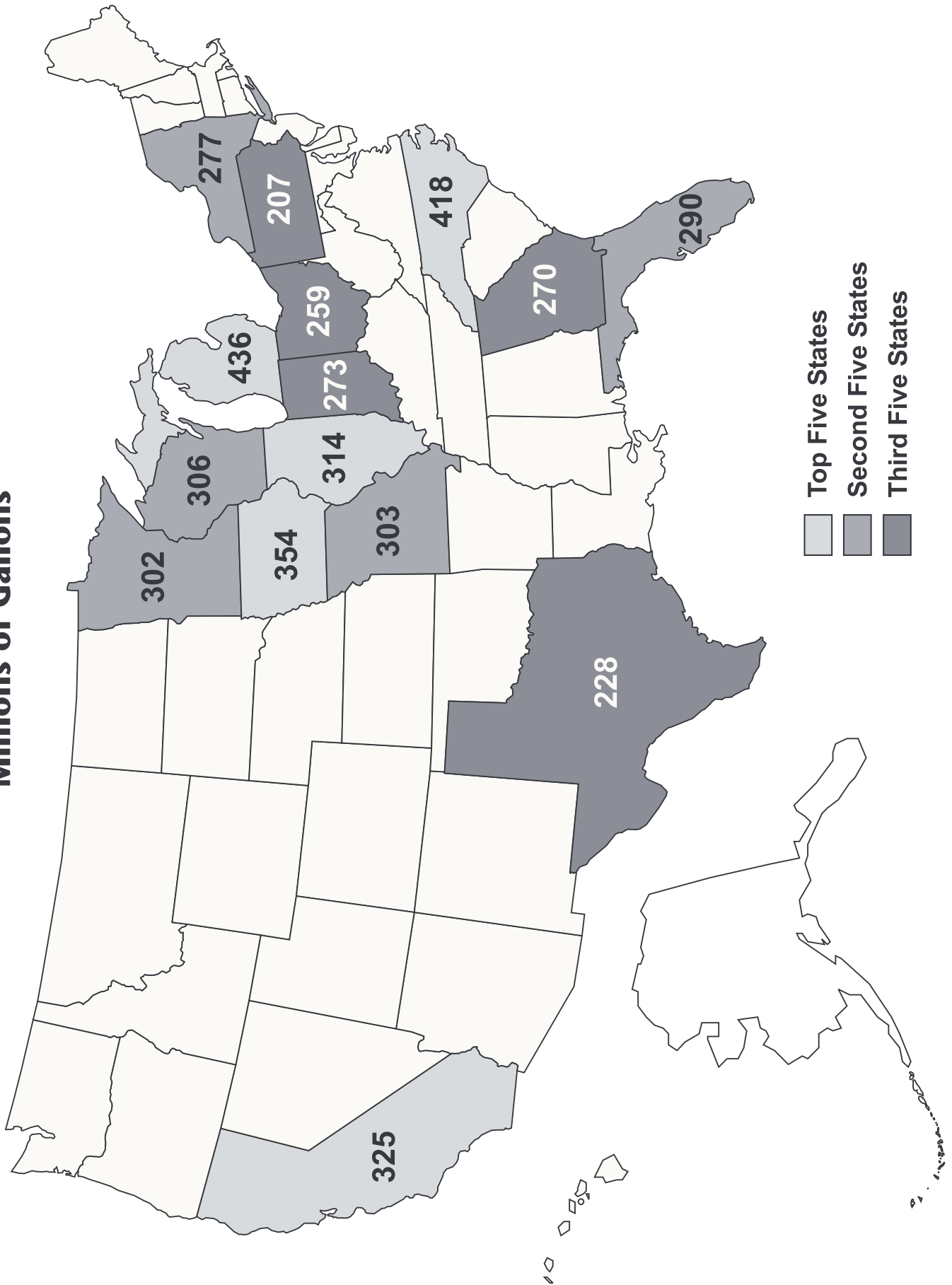
# NUCLEAR ENERGY PRODUCTION

State Ranking and Percentage of Total Electric Power Generation



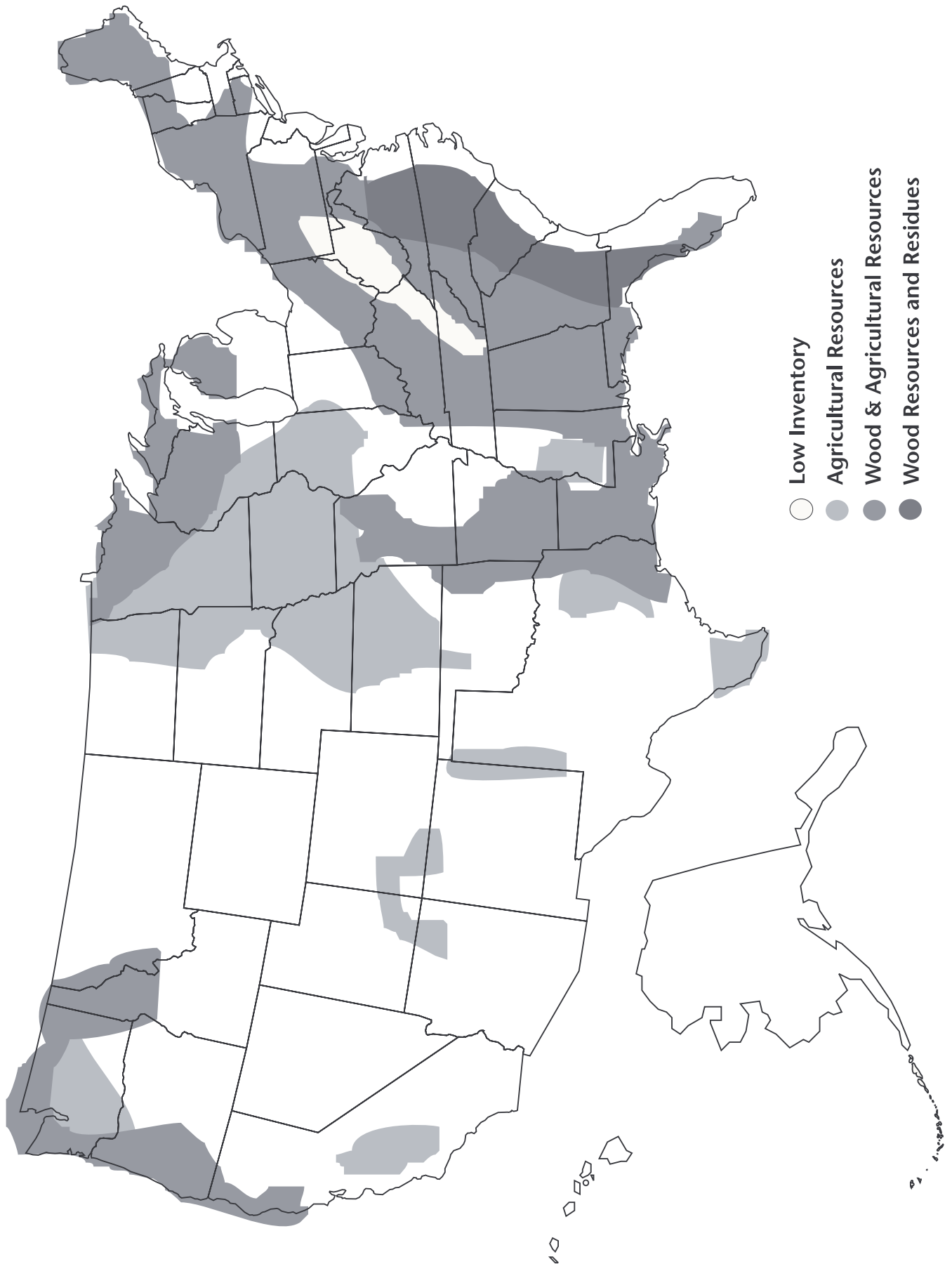
# U.S. PROPANE CONSUMPTION

Millions of Gallons

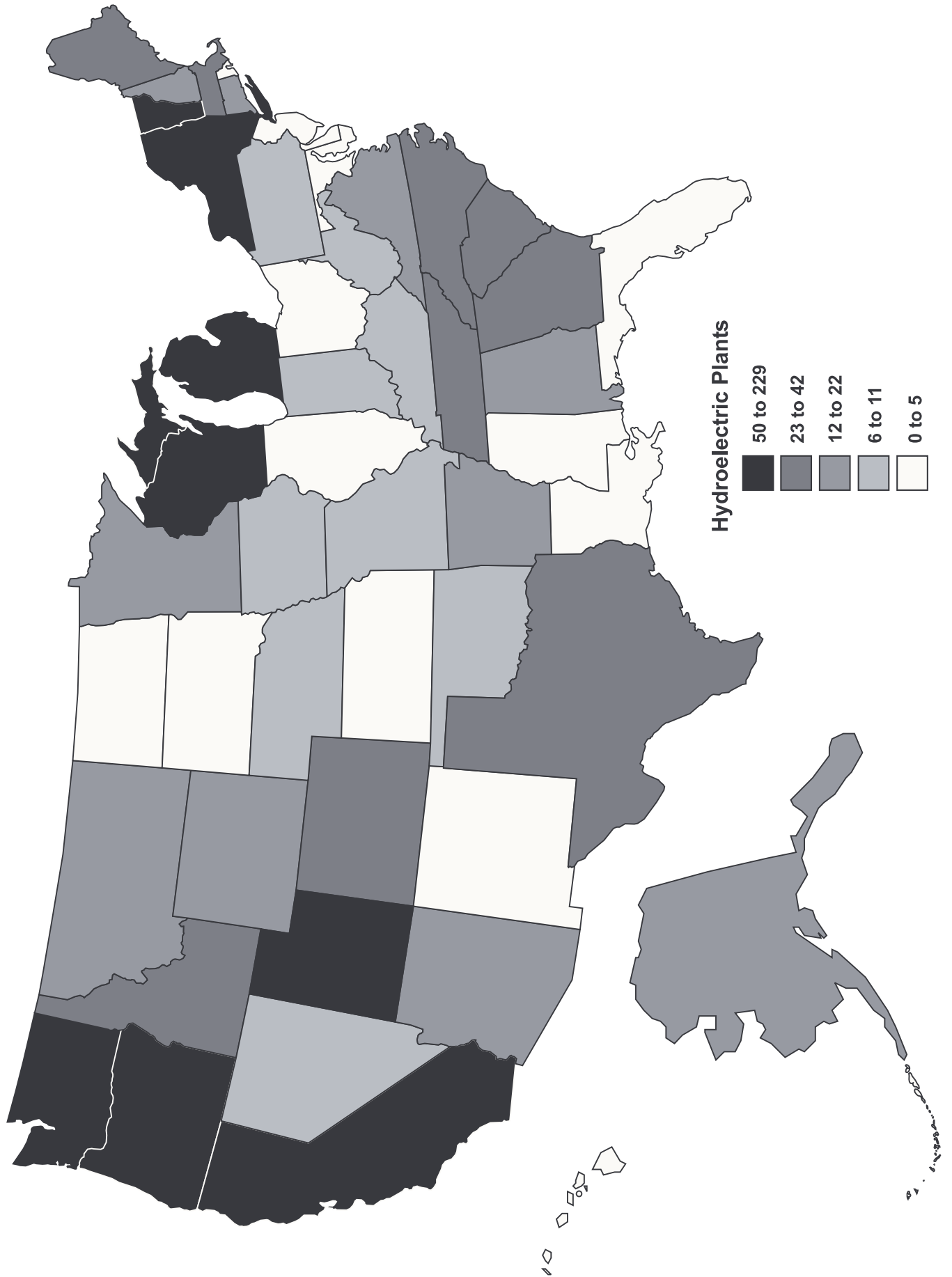


Top Five States  
Second Five States  
Third Five States

# U.S. BIOMASS RESOURCES

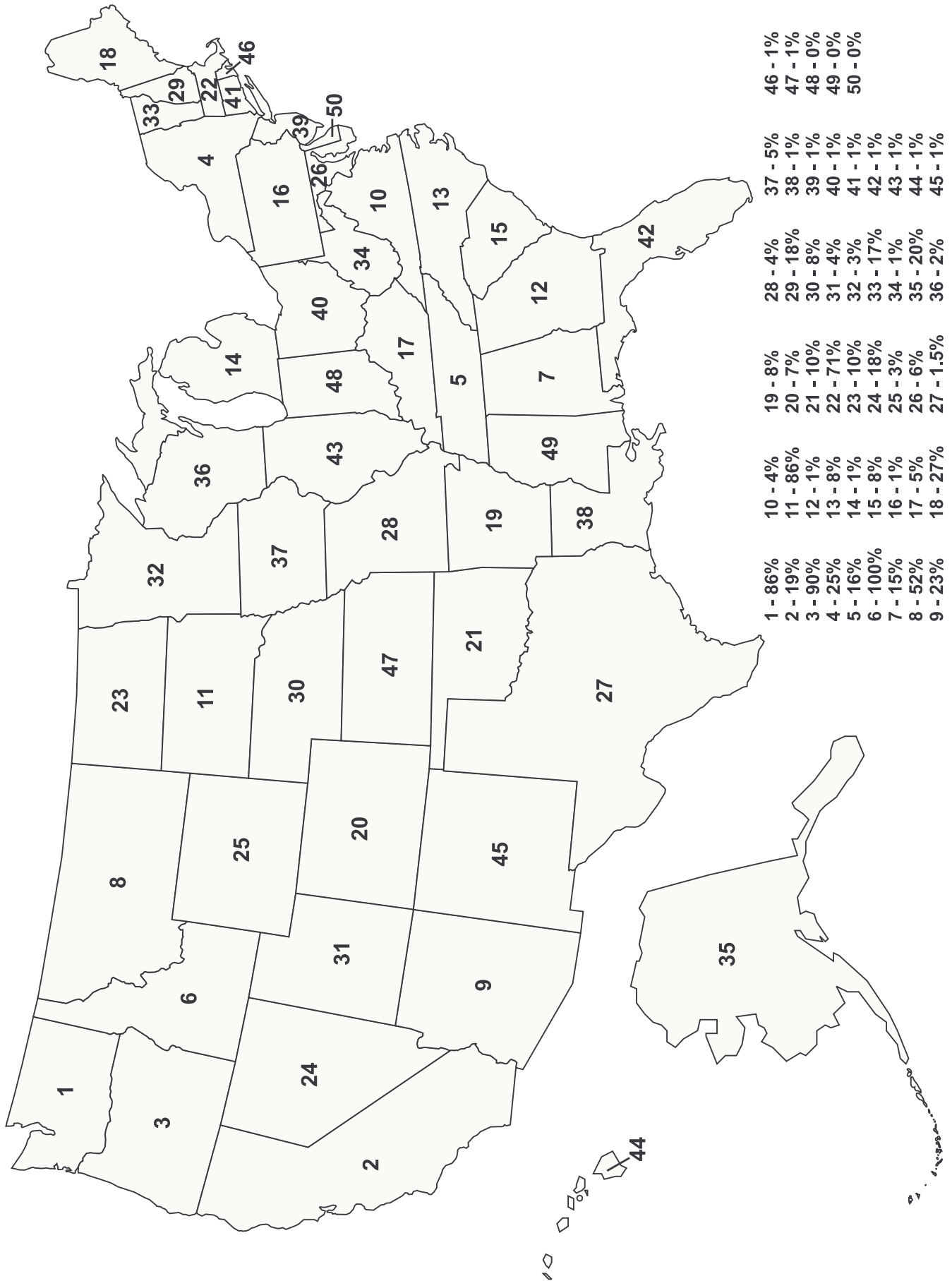


# HYDROELECTRIC PLANTS IN THE UNITED STATES

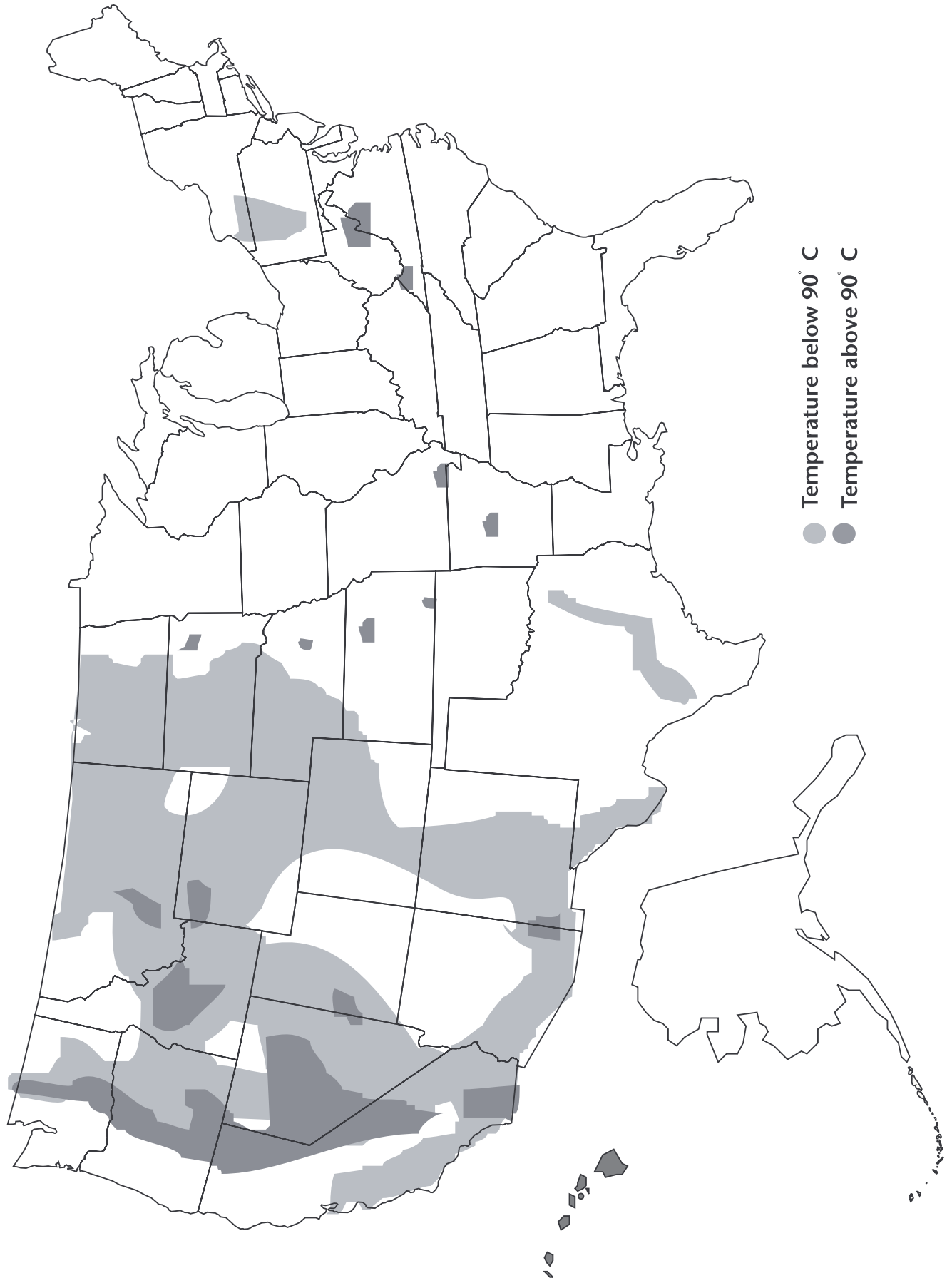


# HYDROELECTRIC ENERGY PRODUCTION

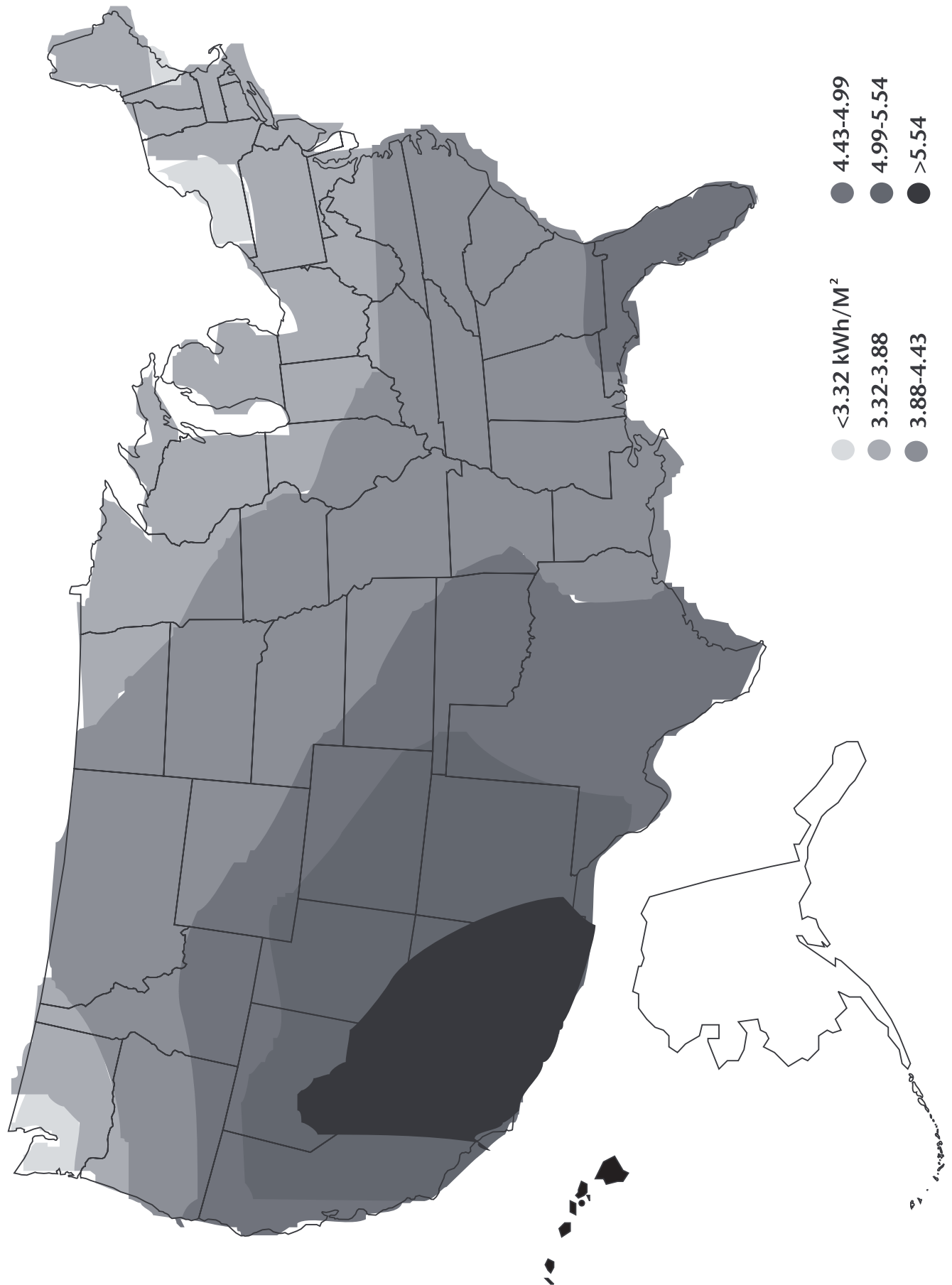
State Ranking and Percentage of Total Electric Power Generation



# KNOWN AND POTENTIAL GEOTHERMAL RESOURCES

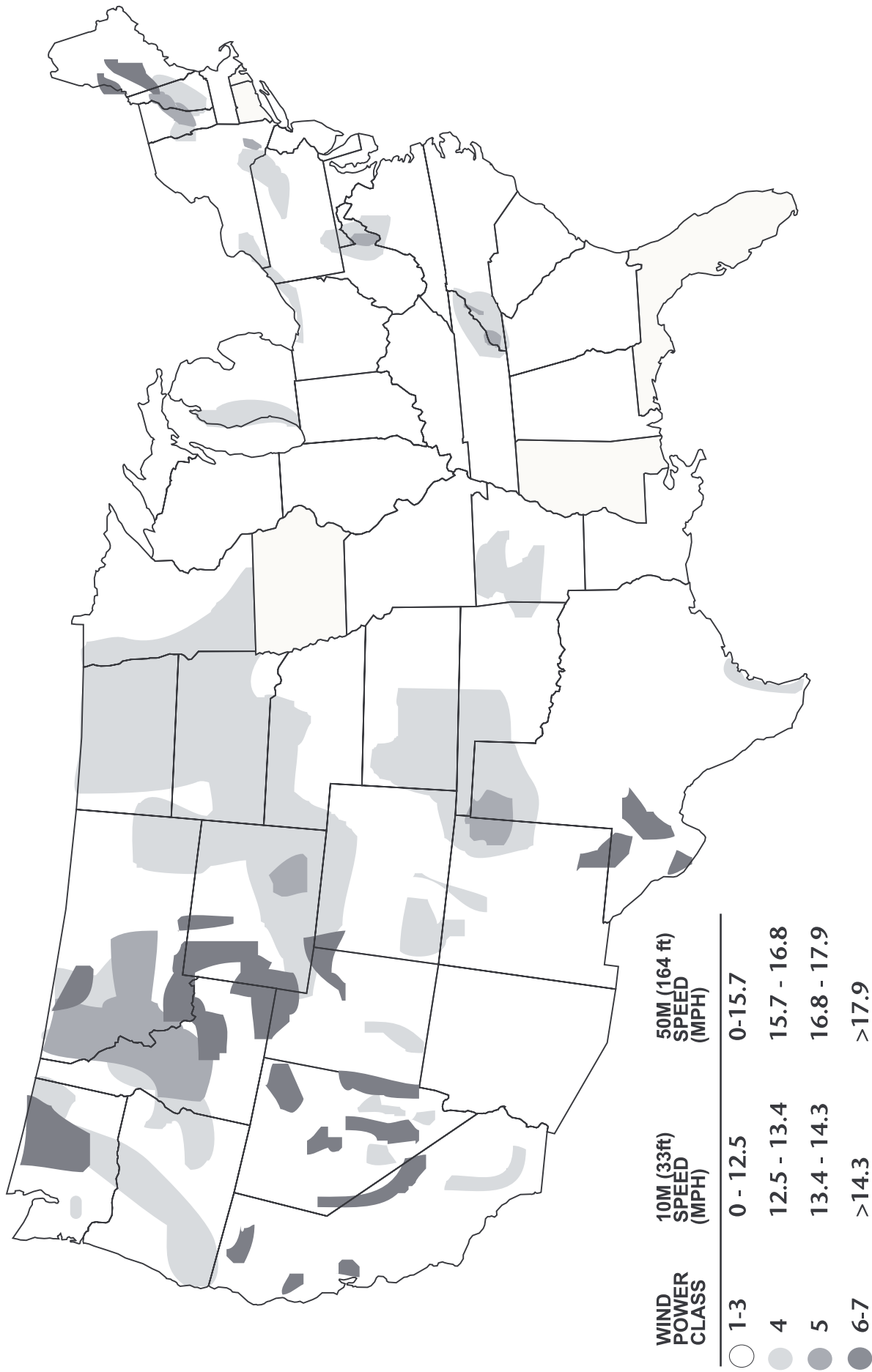


# AVERAGE DAILY SOLAR RADIATION

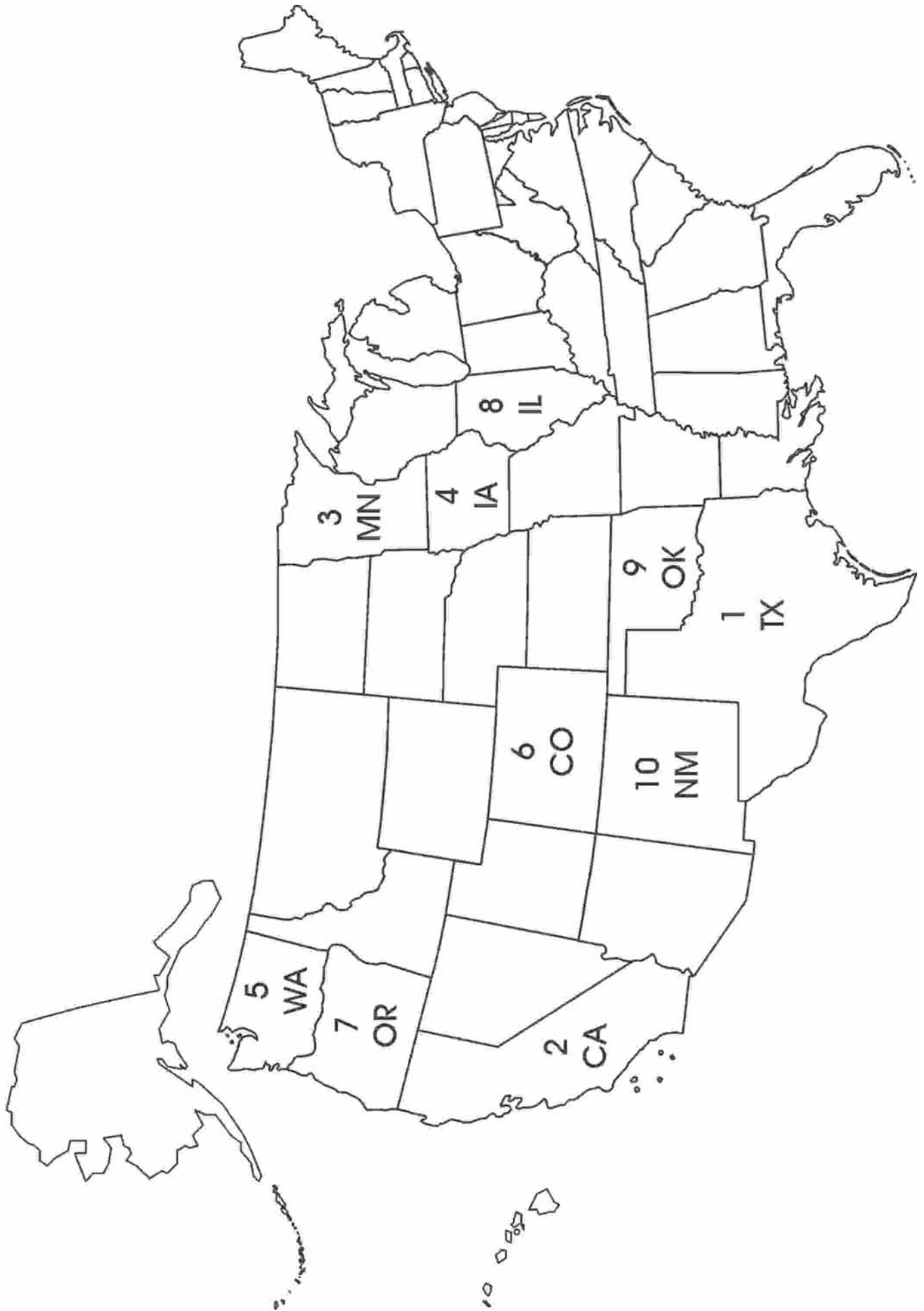




# U.S. WIND RESOURCES



# TOP WIND POWER PRODUCING STATES





# NEED National Sponsors and Partners

American Association of Blacks in Energy  
American Electric Power  
American Electric Power Foundation  
American Petroleum Institute  
American Solar Energy Society  
American Wind Energy Association  
Aramco Services Company  
Armstrong Energy Corporation  
Association of Desk & Derrick Clubs  
All Wild About Kentucky's Environment  
Robert L. Bayless, Producer, LLC  
BP Foundation  
BP  
BP Alaska  
BP Solar  
Bureau of Land Management–  
U.S. Department of the Interior  
C&E Operators  
Cape and Islands Self Reliance  
Cape Cod Cooperative Extension  
Cape Light Compact–Massachusetts  
L.J. and Wilma Carr  
Center for the Advancement of Process  
Technology–College of the Mainland–TX  
Chesapeake Public Schools–VA  
Chesterfield County Public Schools–VA  
Chevron  
Chevron Energy Solutions  
City of Melrose–MA  
Colorado Energy Science Center  
ComEd  
ConEd Solutions  
ConocoPhillips  
CPS Energy  
Cypress-Fairbanks Independent School  
District–TX  
Dart Foundation  
Desk and Derrick of Roswell, NM  
Devon Energy  
Dominion  
Dominion Foundation  
Duke Energy Kentucky  
Duke Energy Indiana  
Duke Energy North Carolina  
Duke Energy South Carolina  
East Kentucky Power  
EnCana  
Energy Information Administration–  
U.S. Department of Energy  
Energy Training Solutions  
Energy and Mineral Law Foundation  
Energy Training Solutions  
Equitable Resources  
Escambia County School District–FL  
FPL Energy Encounter–FL  
First Roswell Company  
Florida Department of Environmental  
Protection  
Foundation for Environmental Education  
Robert Gorham  
Guam Energy Office  
Halliburton Foundation  
Gerald Harrington, Geologist  
Houston Museum of Natural Science  
Hydropower Research Foundation  
Illinois Clean Energy Community Foundation  
Illinois Department of Commerce and  
Economic Opportunity  
Independent Petroleum Association of  
America  
Independent Petroleum Association of New  
Mexico  
Indiana Office of Energy and Defense  
Development  
Interstate Renewable Energy Council  
Iowa Energy Center  
Kentucky Clean Fuels Coalition  
Kentucky Office of Energy Policy  
Kentucky Oil and Gas Association  
Kentucky Propane Education and Research  
Council  
Kentucky River Properties LLC  
Keyspan  
KidWind  
Llano Land and Exploration  
Long Island Power Authority–NY  
Maine Energy Education Project  
Maine Public Service Company  
Marianas Islands Energy Office  
Maryland Energy Administration  
Massachusetts Division of Energy  
Resources  
Michigan Energy Office  
Michigan Oil and Gas Producers Education  
Foundation  
Minerals Management Service–  
U.S. Department of the Interior  
Mississippi Development Authority–Energy  
Division  
Montana Energy Education Council  
Narragansett Electric–  
A National Grid Company  
NASA Educator Resource Center–WV  
National Alternative Fuels Training Center–  
West Virginia University  
National Association of State Energy  
Officials  
National Association of State Universities  
and Land Grant Colleges  
National Hydropower Association  
National Ocean Industries Association  
National Renewable Energy Laboratory  
New Jersey Department of Environmental  
Protection  
New York Power Authority  
North Carolina Department of  
Administration–State Energy Office  
Nebraska Public Power District  
New Mexico Oil Corporation  
New Mexico Landman's Association  
New York State Energy Research and  
Development Authority  
Offshore Energy Center/Ocean Star/  
OEC Society  
Offshore Technology Conference  
Ohio Energy Project  
Pacific Gas and Electric Company  
Petroleum Equipment Suppliers  
Association  
Poudre School District–CO  
Puerto Rico Energy Affairs Administration  
Puget Sound Energy  
Roswell Desk and Derrick Club  
Roswell Geological Society  
Rhode Island State Energy Office  
Sacramento Municipal Utility District  
Saudi Aramco  
Schlumberger  
Sentech, Inc.  
Shell Exploration and Production  
Snohomish County Public Utility District–  
WA  
Society of Petroleum Engineers  
David Sorenson  
Southwest Gas  
Spring Branch Independent School  
District–TX  
Tennessee Department of Economic and  
Community Development–Energy Division  
Toyota  
TransOptions, Inc.  
TXU Energy  
University of Nevada–Las Vegas, NV  
United Illuminating Company  
U.S. Environmental Protection Agency  
U.S. Department of Energy  
U.S. Department of Energy–Hydrogen,  
Fuel Cells and Infrastructure Technologies  
Virgin Islands Energy Office  
Virginia Department of Mines, Minerals  
and Energy  
Virginia Department of Education  
Virginia General Assembly  
Wake County Public Schools–NC  
Western Kentucky Science Alliance  
W. Plack Carr Company  
Yates Petroleum