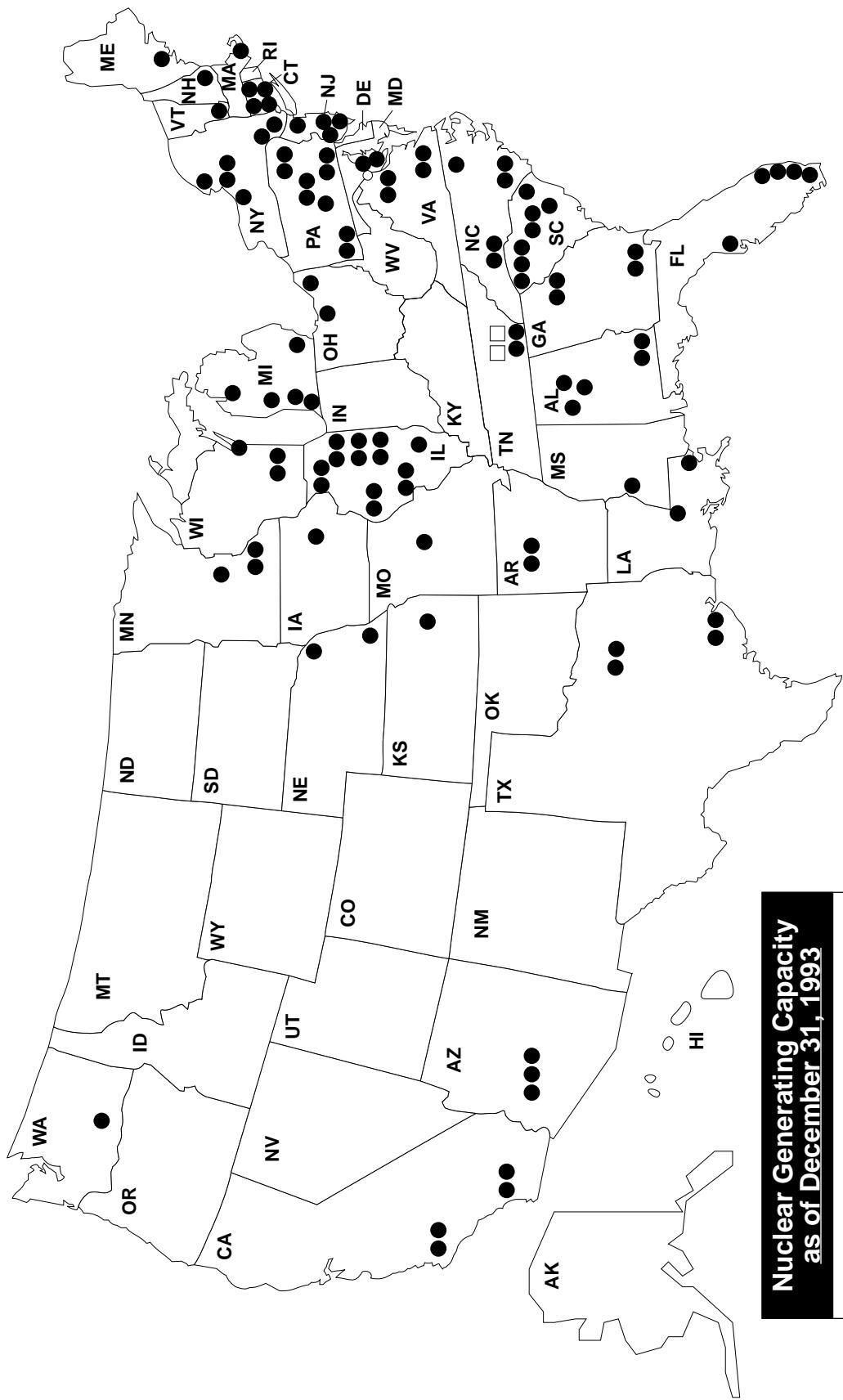
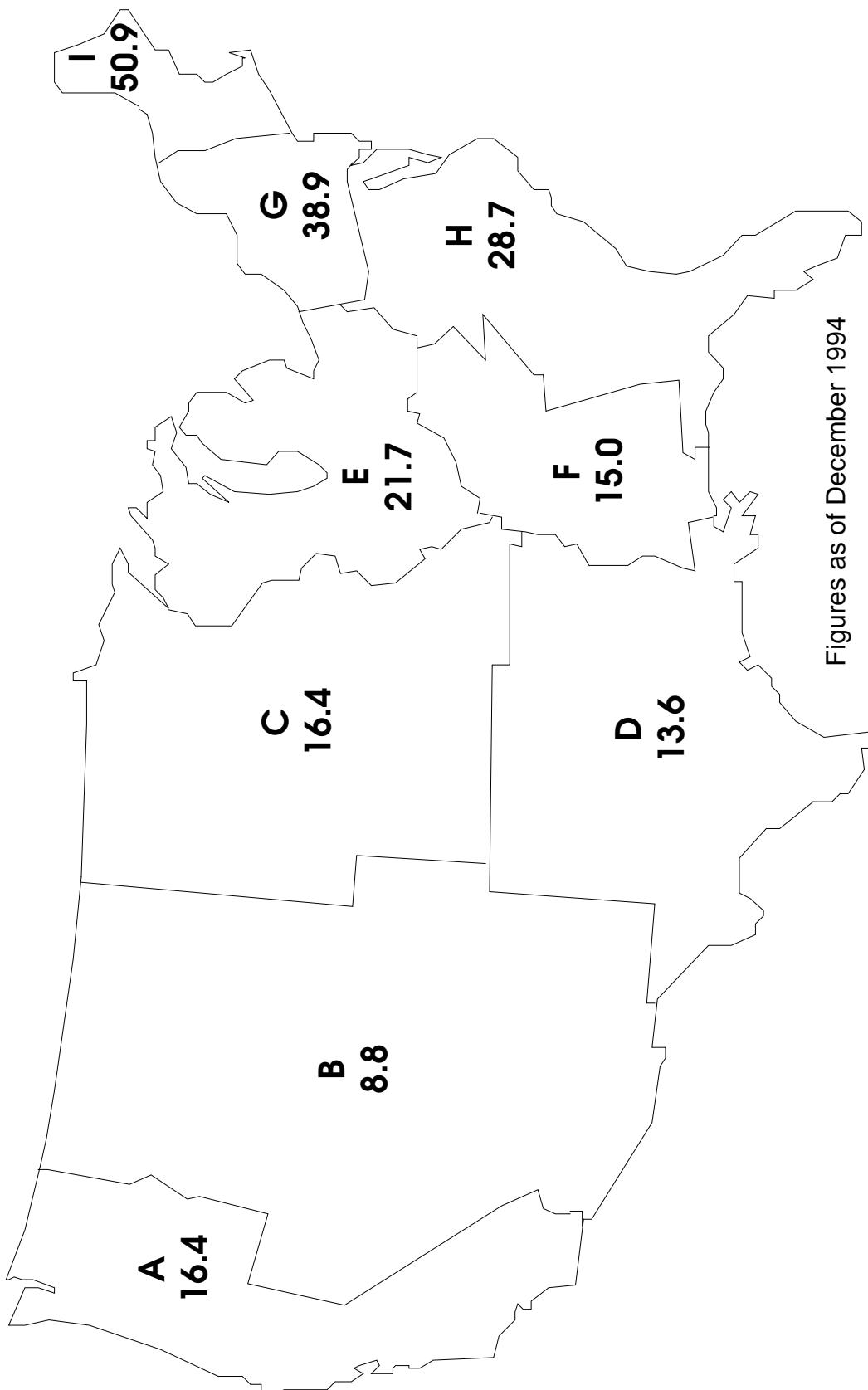


Locations of Nuclear Powerplants

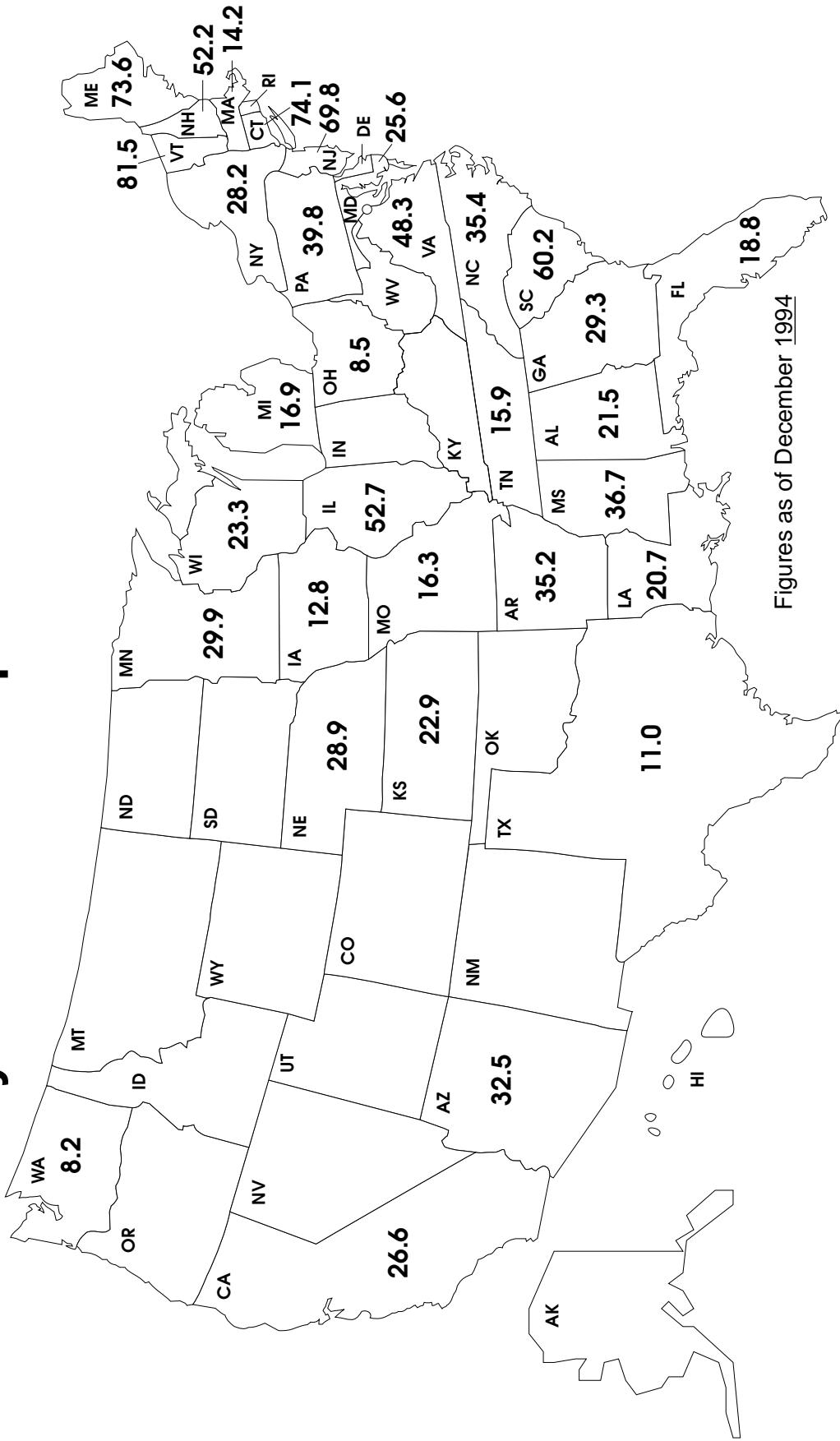


What Percentage of the Electricity Generated In Your Region In 1994 Came From Nuclear Energy?

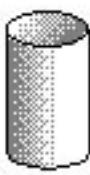


Figures as of December 1994

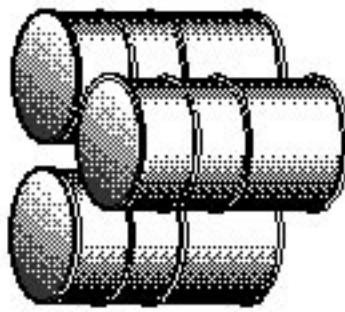
Percentage of Electricity Generated By Nuclear Powerplants in 1994



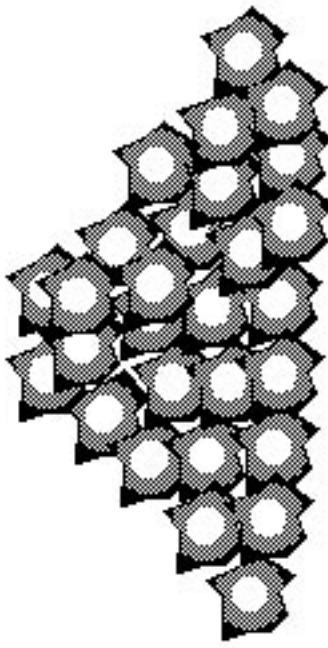
Energy Equivalents



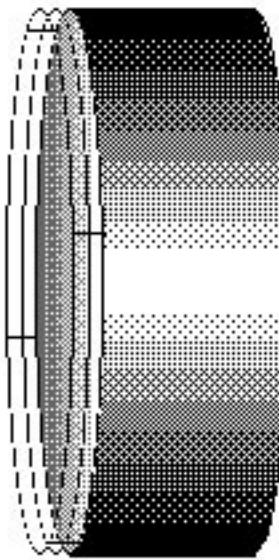
1 Uranium Fuel Pellet has as much energy available as...



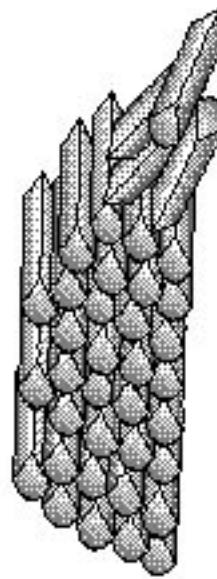
OR
3 Barrels of Oil
(159 Liters or 42 Gallons)



1 Ton of Coal



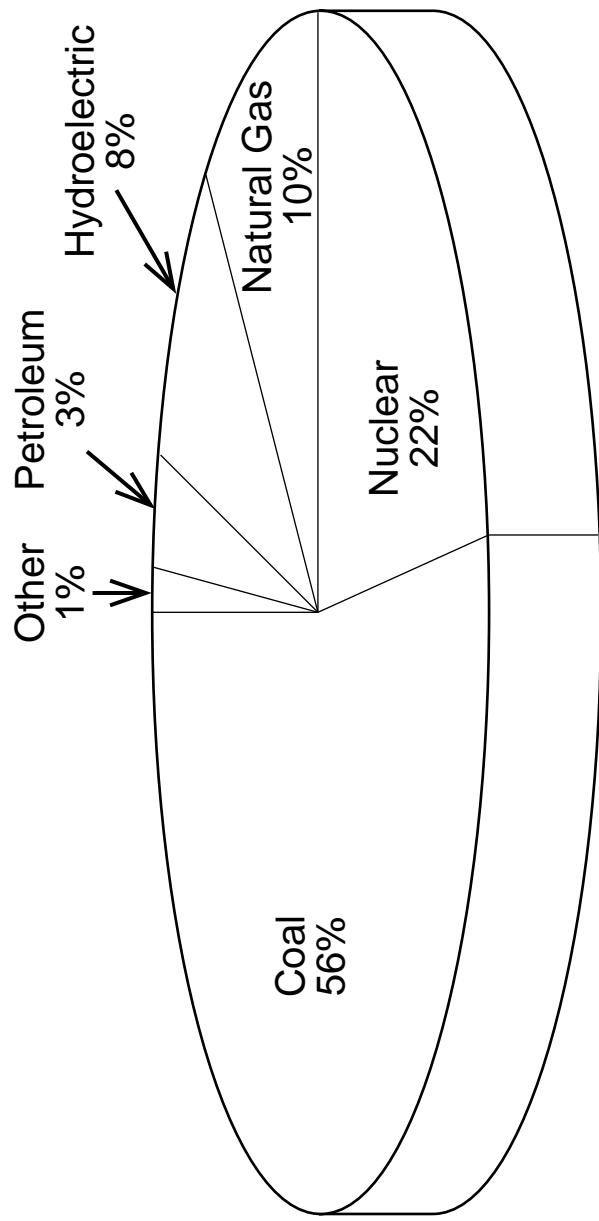
OR
1 Cord of Wood
(2 1/2 Tons)



481 Cubic Meters (17,000 Cubic Feet)
of Natural Gas

Uranium has essentially no other significant application in our society except for energy production.

Share of Electrical Generation By Power Source



Source: Energy Information Administration

**Nuclear powerplants produced about 22%
of our Nation's electricity in 1994.**

Fission

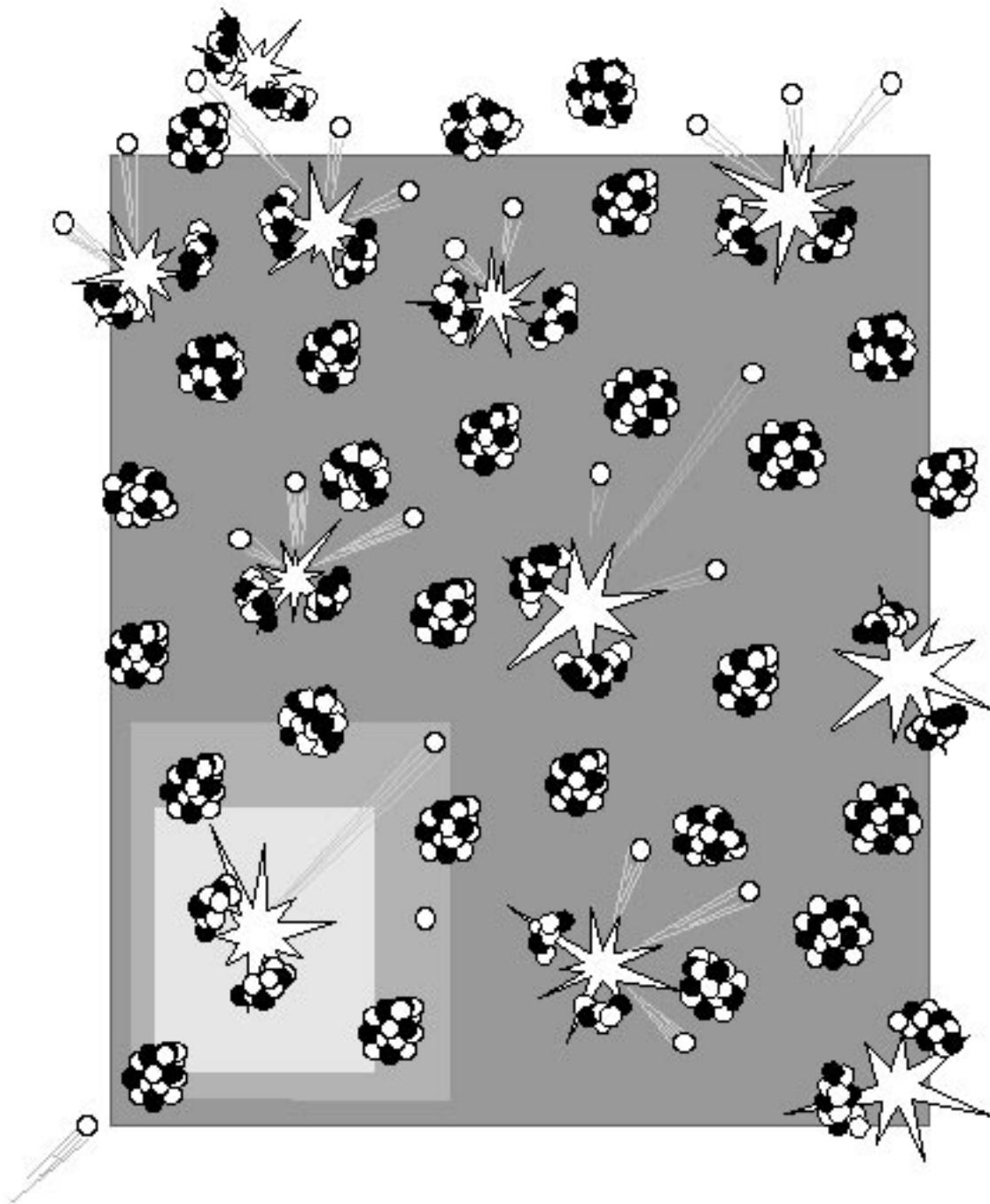
A neutron...

strikes the nucleus
of a uranium-235
atom...

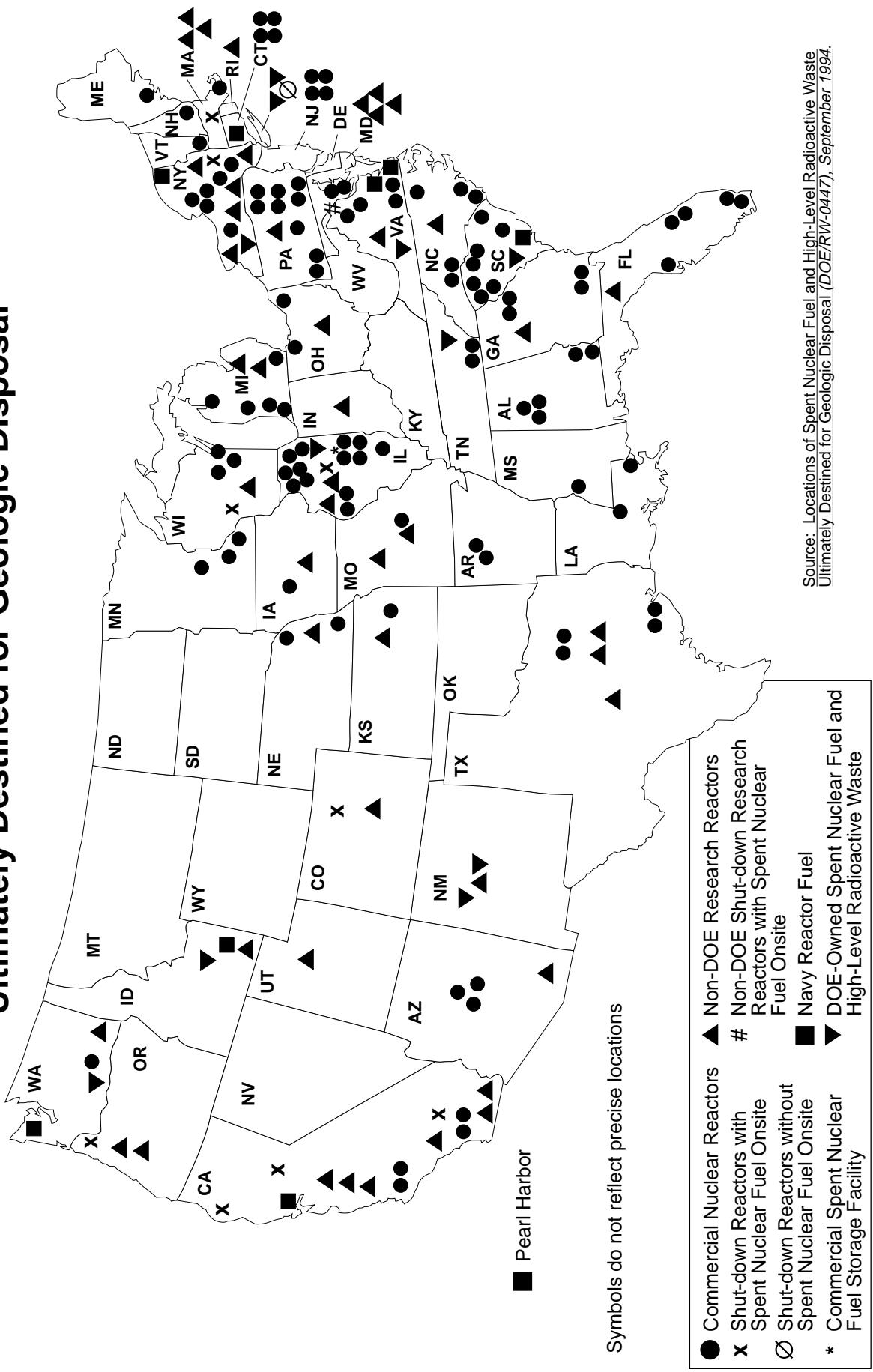
causing it to split
apart, releasing
energy as heat,
fission products,
and two or
more neutrons...

that may cause
additional
uranium-235
nuclei to fission.

Eventually, when
enough nuclei
are split and
enough neutrons
released, the reaction
perpetuates itself in a
chain reaction.



Locations of Spent Nuclear Fuel and High-Level Radioactive Waste Ultimately Destined for Geologic Disposal



State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
Alabama	Browns Ferry Plant 1, 2, 3 (Decatur) Joseph M. Farley 1, 2 (Dothan)			
Arizona	Palo Verde Station 1, 2, 3 (Wintersburg)	University of Arizona (Tucson)		
Arkansas	Arkansas Nuclear One 1, 2 (Russellville)			
California	Dibble Canyon Plant 1, 2 (Avila Beach) Rancho Seco Plant 1* (Clay Station) San Onofre Plant 1*, 2, 3 (San Clemente) Humboldt Bay 3* (Eureka)	University of California (Irvine) General Electric (Pleasanton) McLellan Air Force Base ** (Sacramento) General Atomics 1, 2 (San Diego) Aerotest Research (San Ramon)		Mare Island (Vallejo)
Colorado	Fort St. Vrain* (Platteville)		U.S. Geological Survey (Denver)	

* Shut down reactors with spent nuclear fuel onsite
 ** status of spent fuel inventory to be determined

State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
Connecticut	Haddam Neck Plant 1 (Haddam Neck) Millstone Plant 1, 2, 3 (Waterford)		Knolls Atomic Power Laboratory (Windsor Locks)	
Florida	Crystal River Plant 3 (Red Level) St. Lucie Plant 1, 2 (Hutchinson Island) Turkey Point Plant 3, 4 (Florida City)	University of Florida (Gainesville)		
Georgia	Edwin L. Hatch Plant 1, 2 (Baxley) Alvin W. Vogtle 1, 2 (Waynesboro)	Georgia Institute of Technology (Atlanta)	Pearl Harbor (Honolulu)	
Hawaii				
Idaho		Idaho State University (Pocatello)	Idaho Naval Reactor (Idaho Falls)	Idaho National Engineering Laboratory (Includes Argonne National Laboratory - West) (Idaho Falls)

State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
Illinois	Clinton Plant 1 (Clinton) Quad Cities Nuclear Station 1, 2 (Cordova) Braidwood Plant 1, 2 (Braidwood) Zion Plant 1, 2 (Zion) Byron Plant 1, 2 (Byron) Dresden Station 1*, 2, 3 (Morris) LaSalle Station 1, 2 (Seneca) General Electric (Morris)**	University of Illinois 1, 2 (Urbana)		Argonne National Laboratory - East (Argonne)
Indiana			Purdue University (West Lafayette)	
Iowa	Duane Arnold 1 (Palo)	Iowa State University (Ames)		
Kansas	Wolf Creek Plant 1 (Burlington)	Kansas State University (Manhattan)		

* shut down reactors with spent nuclear fuel onsite
 ** commercial spent fuel storage site

State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
Louisiana	Waterford Plant 3 (Taft) River Bend Plant 1 (St. Francisville)			
Maine	Maine Yankee Plant 1 (Wiscasset)		Portsmouth Naval Shipyard (Kittery)	
Maryland	Calvert Cliffs Plant 1, ² (Lusby)	University of Maryland (College Park) National Institute of Standards and Technology (Gaithersburg) Armed Forces Radiobiology Research Institute (Bethesda) U.S. Army Aberdeen Proving Grounds (Aberdeen)**		

** status of spent fuel inventory to be determined

State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
Massachusetts	Pilgrim Plant 1 (Plymouth) Yankee Rowe Plant 1,* (Rowe)	University of Massachusetts (Lowell) Massachusetts Institute of Technology (Cambridge) Worcester Polytechnical Institute (Worcester)		
Michigan	Enrico Fermi 2 (Newport) Donald C. Cook Plant 1, 2 (Bridgman) Palisades Plant 1 (South Haven) Big Rock Point Plant 1 (Charlevoix)	University of Michigan (Ann Arbor) Dow Chemical (Midland)		
Minnesota		Monticello Plant 1 (Monticello) Prairie Island Plant 1, 2 (Red Wing)		
Mississippi		Grand Gulf Station 1 (Port Gibson)		

* shut down reactors with spent nuclear fuel onsite

State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
Missouri	Callaway Plant 1 (Fulton)	University of Missouri (Columbia) University of Missouri (Rolla)		
Nebraska	Cooper Plant 1 (Brownville) Fort Calhoun Plant 1 (Fort Calhoun)	Veterans Administration (Omaha)		
New Hampshire		Seabrook Station 1 (Seabrook)		
New Jersey		Oyster Creek Plant 1 (Forked River) Salem Generating Station 1, ^{2***} (Hancocks Bridge) Hope Creek Generating Station 1*** (Hancocks Bridge)		

*** Salem and Hope Creek Generating Stations, NJ, are located on the same site.

State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
New Mexico		University of New Mexico (Albuquerque)		Los Alamos National Laboratory/Omega West Reactor (Los Alamos) Sandia National Laboratory (Albuquerque)
New York	Nine Mile Point Plant 1, 2 (Lycoming) Indian Point Plant 1*, 2 (Buchanan) Indian Point Plant 3 (Buchanan) James A. Fitzpatrick Nuclear Plant 1 (Lycoming) Robert E. Ginna Plant 1 (Ontario) Shoreham Station@ (Wading River)	State University of New York (Buffalo) Cornell University 1, 2 (Ithaca) Manhattan College (Bronx) Rensselaer Polytechnic Institute (Troy)	Knolls Atomic Power Laboratory (West Milton)	Brookhaven National Laboratory (Upton) (High-flux Beam Reactor) (Brookhaven Medical Research Reactor) West Valley Demonstration Project (West Valley)

- * shut down reactors with spent fuel onsite
- @ shut down reactor/spent nuclear fuel has been shipped to Limerick Generating Station, PA as of May 1994

State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
North Carolina	Brunswick Plant 1, 2 (Southport) Shearon Harris 1 (Newhill) W.B. McGuire Plant 1, 2 (Huntersville)	North Carolina State University (Raleigh)		
Ohio	Davis Besse Plant 1 (Toledo) Perry Plant 1 (Perry)	Ohio State University (Columbus)		
Oregon	Trojan Plant 1* (Ranier)	Oregon State University (Corvallis) Reed College (Portland)		
Pennsylvania	Susquehanna Plant 1, 2 (Berwick) Limerick Generating Station 1, 2 (Linfield) Peach Bottom Station 2, 3 (Delta) Three Mile Island 1 (Middletown) Beaver Valley Plant 1, 2 (Shippingport)	Pennsylvania State University (State College)		

* shut down reactors with spent fuel onsite

State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
Rhode Island		Rhode Island Nuclear Science Center (Narragansett)		
South Carolina	H.B. Robinson Plant 2 (Hartsville) Catawba Plant 1, 2 (Clover) Oconee Plant 1, 2, 3 (Seneca) Virgil C. Summer 1 (Parr)		Charleston Naval Shipyard (Charleston)	Savannah River Site (Aiken)
Tennessee		Sequoyah Plant 1, 2 (Soddy-Daisy)		Oak Ridge National Laboratory (Oak Ridge)
Texas	Comanche Peak Plant 1, 2 (Glen Rose) South Texas Plant 1, 2 (Palacios)		Texas A&M University 1, 2 (College Station) University of Texas (Austin)	
Utah			University of Utah 1 (Salt Lake City)	
Vermont		Vermont Yankee 1 (Vernon)		

State	Commercial Reactors	Non-DOE Research Reactors	Navy Reactor Fuel	DOE-Owned Spent Fuel and High-Level Radioactive Waste
Virginia	North Anna Power Plant 1, 2 (Mineral) Surry Power Plant 1, 2 (Surry)	University of Virginia 1 (Charlottesville)	Norfolk Naval Shipyard (Portsmouth) Newport News Shipbuilding (Newport News)	B&W Nuclear Environmental Services, Inc. (Lynchburg)
Washington	Washington Nuclear Plant 2 (Richland)	Washington State University (Pullman)	Puget Sound Naval Shipyard (Bremerton)	Hanford Reservation (Richland)
Wisconsin	Point Beach Plant 1, 2 (Two Rivers) Kewaunee Plant 1 (Carlton) La Crosse* (Genoa)	University of Wisconsin (Madison)		
District of Columbia		Catholic University+		

* shut down reactors with spent fuel onsite