



DEPARTMENT OF ENERGY RESEARCH

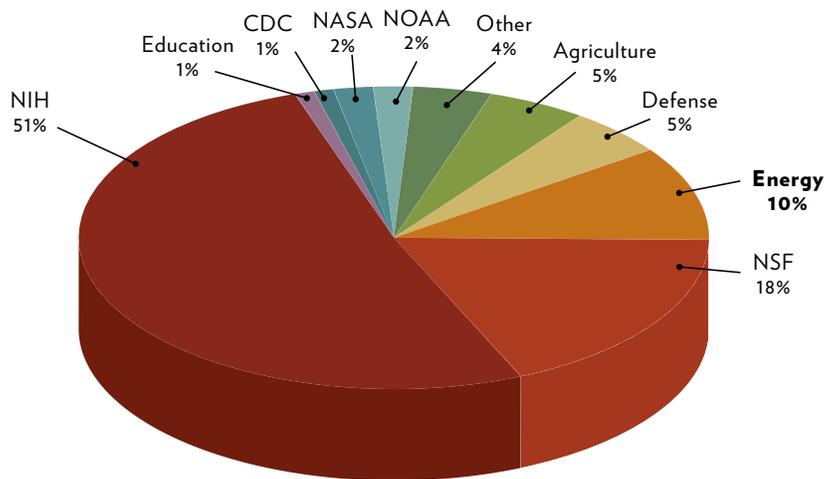
UW-MADISON: RANKED #8 NATIONALLY WITH \$1.3 BILLION IN ANNUAL RESEARCH EXPENDITURES

The Department of Energy's research programs—including the Office of Science and the Advanced Research Projects Agency–Energy (ARPA-E)—play a critical role in enhancing energy security, building our future economy and ensuring America remains a leader in science and technology. The Office of Science is our country's largest supporter of foundational research in the physical sciences, helping to advance the fundamental science knowledge base and train future scientists.

The Department of Energy supports UW–Madison research ranging from reducing recycling waste to harnessing the diversity of yeast.

\$68.8 million

Dept. of Energy federal research awards at UW–Madison in 2019–20



EXAMPLES OF DEPARTMENT OF ENERGY RESEARCH AT UW-MADISON

College of Engineering

Rethinking recycling waste: Nearly 80 percent of plastic waste produced around the world lingers in landfills or breaks down in oceans because of the cost and inefficiency of current recycling technologies. UW–Madison researchers in the new Center on Chemical Upcycling of Waste Plastics (CUWP) are focusing on several new chemical techniques that could allow waste plastic to be remade into “virgin” plastic. The methods could greatly increase the amount of plastic waste worldwide that can be cost-effectively broken down and reused. [Read more online.](#)

School of Medicine and Public Health

Unlocking yeast genomes to support brewers and biologists: Yeast is the bedrock of food cultures around the world. By sequencing the genomes of more than 100 hybrid yeasts, UW–Madison scientists have discovered seven distinct combinations of yeast species, many of them tied to unique fermented beverages such as beer, wine, and cider. The data allows researchers to further investigate the many subtle traits that contribute to these diverse drinks, and by producing new hybrids in the lab, scientists could develop novel features in fermented beverages. [Read more online.](#)

WHY UNIVERSITY RESEARCH MATTERS

By supporting the Department of Energy funding, you support research programs that ensure America remains a global leader in science and technology.

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