National Aeronautics and Space Administration

NASA Energy and Water Management Program

Small Changes. Big Impact.

NASA's **vision** for energy and water management is simple: Accomplish our mission using the minimum amount of energy and water required.

Our **Energy and Water Managers** and their **teams** are leading the Agency in fulfilling that vision. NASA's remarkable success depends on help from **thousands of you** within our workforce—equipment operators, maintenance staff, engineers, procurement specialists, not to mention every single person who takes the time to turn off the lights when no one's home.

In FY24, our utility bill was

$129M

That's

$15K per hour

Energy Efficiency

From FY95 through FY24

28.2%

Total Energy Consumption Reduction

$1.14B

Total Energy Cost Avoidance Since FY95 (in 2024 dollars)

$53M

Average Annual Cost Avoidance Over the Past 10 Years (in 2024 dollars)

Renewable Energy

14,406 MWH

Renewable Electricity Generated On-Site in FY24

That's enough electricity to power about 1,350 single-family homes for one year, or 32 times the annual generation of the International Space Station solar arrays

Water Efficiency

From FY07 through FY24

30.4%

Total Water Consumption Reduction

Over 14 billion gallons saved since FY07, enough water to fill more than 21,400 Olympic-sized swimming pools, or provide deluge water for 31,400 SLS launches from KSC Launch Pad 39B

SUSTAINABLE NASA

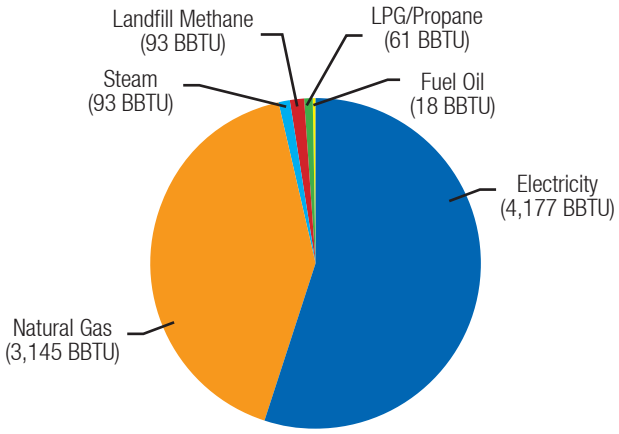
ENERGY WATER BUILDINGS WASTE TRANSPORTATION PROCUREMENT GHG

NASA's FY24 Utility Bill Breakdown

Energy Consumption

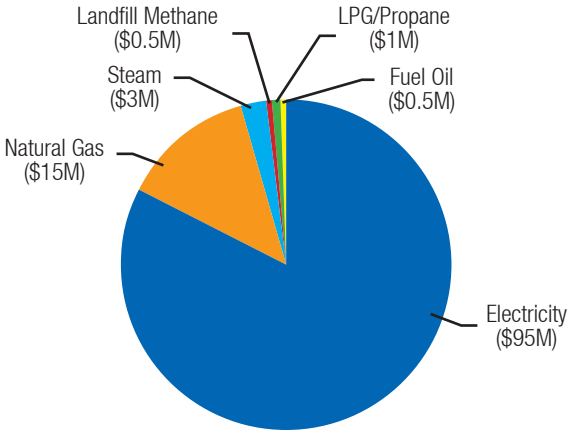
7,588

Billion BTU



Energy Cost

$114M



Water Consumption

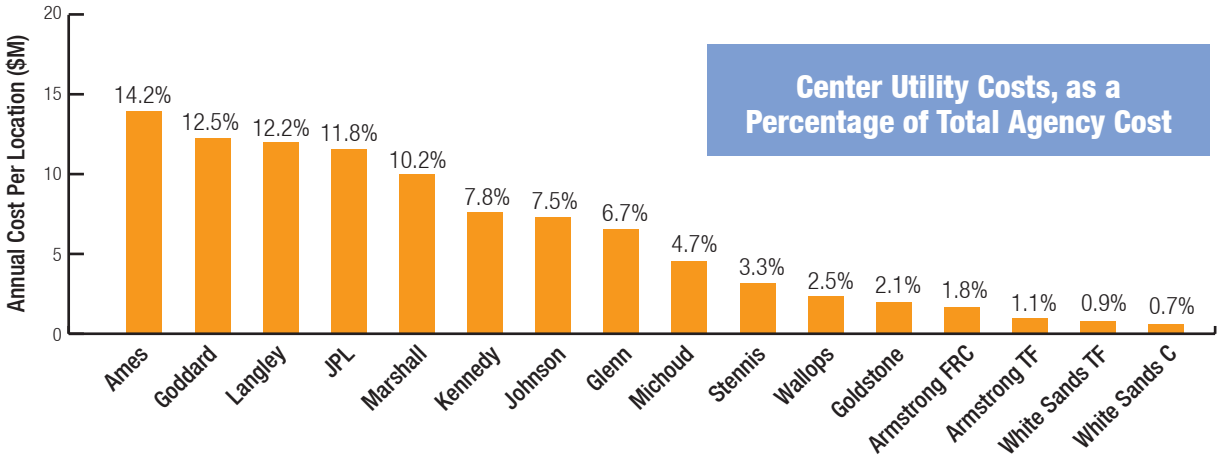
1,996

Million Gallons

Water Cost

$14M

Center Utility Costs, as a Percentage of Total Agency Cost



ENERGY & WATER MANAGEMENT FAST FACTS

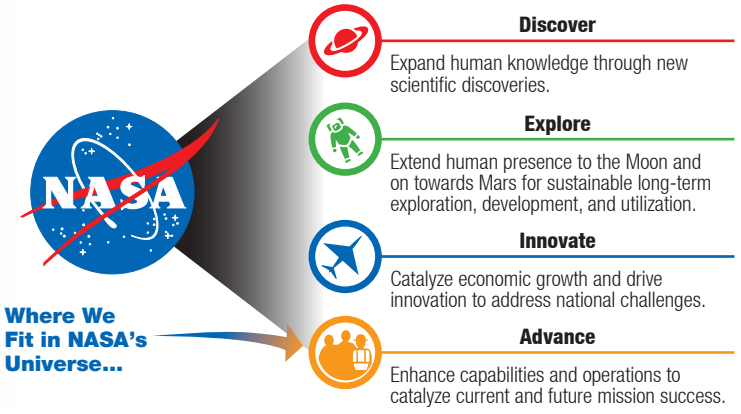
Footprint

- Over 37 million square feet in more than 2,200 buildings
- More than 50 high performance sustainable buildings

Comparison to Other Civilian Agencies

- 10th largest for energy use
- 5th largest for water use

NASA Procedural Requirement (NPR) 8570.1, NASA Energy and Water Management Program, provides the framework for our Energy and Water Management Programs.



For more information, please visit: https://www.nasa.gov/emd/energy-and-water-management

NPR 8570.1: https://nodis3.gsfc.nasa.gov/lib_docs.cfm?range=8