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

Our **13 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.

**Energy Efficiency**

*From FY95 through FY22*

- **29.5%**
  - Total Energy Consumption Reduction

- **$965M**
  - Total Energy Cost Avoidance Since FY95 (in 2022 dollars)

- **$52M**
  - Average Annual Cost Avoidance Over the Past 10 Years (in 2022 dollars)

**Renewable Energy**

- **16,649 MWH**
  - Renewable Electricity Generated On-Site in FY22

That’s enough electricity to power more than 1,500 single-family homes for one year, or almost 37 times the annual generation of the International Space Station solar arrays.

**Water Efficiency**

*From FY07 through FY22*

- **36.4%**
  - Total Water Consumption Reduction

Over 1 billion gallons saved, enough water to fill more than 1,500 Olympic-sized swimming pools, or provide deluge water for 2,300 SLS launches from KSC Launch Pad 39B.

**In FY22, our utility bill was**

- **$132M**
  - That’s **$15K per hour**
NASA's FY22 Utility Bill Breakdown

**Energy Consumption**

- **Electricity** (4,033 BBTU)
- **Natural Gas** (2,906 BBTU)
- **Steam** (265 BBTU)
- **Landfill Methane** (228 BBTU)

**Water Consumption**

- **1,823 Million Gallons**

**Energy Cost**

- **$119M**

**Water Cost**

- **$12M**

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**ENERGY & WATER MANAGEMENT FAST FACTS**

**Footprint**
- Over 38 million square feet in more than 2,400 buildings
- 52 high performance sustainable buildings

**Comparison to Other Civilian Agencies**
- 8th largest for energy use
- 6th largest for water use


For more information, please visit: [https://www.nasa.gov/emd/energy-and-water-management](https://www.nasa.gov/emd/energy-and-water-management)  
NPR 8570.1: [https://nodis3.gsfc.nasa.gov/lib_docs.cfm?range=8](https://nodis3.gsfc.nasa.gov/lib_docs.cfm?range=8)

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