

# ENERGY EFFICIENCY DAY

Save energy. Save money.

## GENERAL FACTS about Energy Efficiency:

- Since 1990, savings from energy efficiency gains have averted the need to build 313 large power plants and has delivered cumulative savings of nearly \$790 billion for Americans. (ACEEE)
- Efficiency could provide one-third of total expected electricity generation needs by 2030, avoiding the need for an additional 487 large power plants. Combined with the gains since 1990, savings from energy efficiency could amount to the output of 800 power plants by 2030. (ACEEE)
- U.S. electricity use has remained constant in recent years even as the economy grew, thanks to energy efficiency. (Alliance to Save Energy)

## ENERGY STAR® FACTS:

- Since 1992, ENERGY STAR® and its partners have helped families and businesses save more than \$450 billion in energy costs and over 3.5 trillion kWh of electricity, while reducing greenhouse gas emissions by 3.1 billion metric tons. (EPA)
- Nearly 290,000 American workers are involved in the manufacturing of ENERGY STAR® certified products and building materials. (EPA)

## ENERGY EFFICIENCY EMPLOYMENT FACTS:

- Energy efficiency employment is projected to grow much faster than other areas of the energy sector – in 2017, growing at 9% compared to 5% across the entire energy sector. (EPA)
- Energy efficiency employs 2.25 million people in the US today – more than the number of people who work in the coal, oil, gas, electricity and even renewable energy industries combined. (ACEEE)

- Energy efficiency added more new jobs than any other industry in the entire U.S. energy sector in 2017. (E4 the Future)
- Construction and manufacturing make up 70% of the 2.25 million energy efficiency jobs in the US. (E4 the Future)
- Small businesses are driving America’s energy efficiency job boom, with 79% of energy efficiency businesses employing fewer than 20 people. (E4 the Future).

**ENERGY EQUITY FACTS:**

- Rural households, especially low-income, nonwhite and elderly, spend an average of 40% more of their incomes on energy than their metropolitan counterparts. Energy efficiency upgrades could lessen these energy burdens and save households more than \$400 a year. (ACEEE)
- Energy efficiency upgrades to affordable multifamily homes could yield tens of millions of dollars in utility bill savings for households over the next 20 years. (EEFA)
- In New York City alone, energy efficiency upgrades to affordable multifamily homes could save households \$22.8 million through 2035. (EEFA)

**HEALTH FACTS:**

- Reducing annual electricity use by 15% nationwide would save more than six lives every day, prevent nearly 30,000 asthma episodes each year, and save Americans up to \$20 billion through avoided health harms annually. (ACEEE & Physicians for Social Responsibility)

**SOURCES:**

ACEEE blog: “New data, same results – saving energy is still cheaper than making energy”  
<http://aceee.org/blog/2017/12/new-data-same-results-saving-energy>

ACEEE blog: “Our new analysis finds energy efficiency is the 3<sup>rd</sup> largest resource in the US electric power sector”  
<https://aceee.org/blog/2016/08/our-new-analysis-finds-energy>

ENERGY STAR® BY THE NUMBERS 2017

[https://www.energystar.gov/sites/default/files/asset/document/Energy%20Star\\_factsheet\\_ByTheNumbers\\_C\\_508\\_3.pdf](https://www.energystar.gov/sites/default/files/asset/document/Energy%20Star_factsheet_ByTheNumbers_C_508_3.pdf)

E4 the Future/EE Jobs in America report: [https://e4thefuture.org/wp-content/uploads/2018/09/EE-Jobs-in-America\\_Press-Release-2018.pdf](https://e4thefuture.org/wp-content/uploads/2018/09/EE-Jobs-in-America_Press-Release-2018.pdf)

ACEEE blog post “On Labor Day, we salute the 2.2 million-plus Americans who work to save energy”

<http://aceee.org/blog/2018/08/labor-day-we-salute-22-million-plus>

ACEEE blog post: “Rural households spend much more of their income on energy bills than others”

<http://aceee.org/press/2018/07/rural-households-spend-much-more>

ACEEE blog post: “Save Energy, Protect Health: How Energy Efficiency can prevent 30,000 asthma attacks each year”

<http://aceee.org/press/2018/02/save-energy-protect-health-how>

Alliance to Save Energy blog post: “In DOE’s grid study, many reminders of the success of energy efficiency”

<https://www.ase.org/blog/does-grid-study-many-reminders-success-energy-efficiency>

EEFA report: “The Potential for Energy Savings in Affordable Multifamily Housing”

[http://www.energyefficiencyforall.org/sites/default/files/EEFA%20Potential%20Study%20EXEC SUM.pdf](http://www.energyefficiencyforall.org/sites/default/files/EEFA%20Potential%20Study%20EXEC%20SUM.pdf)