

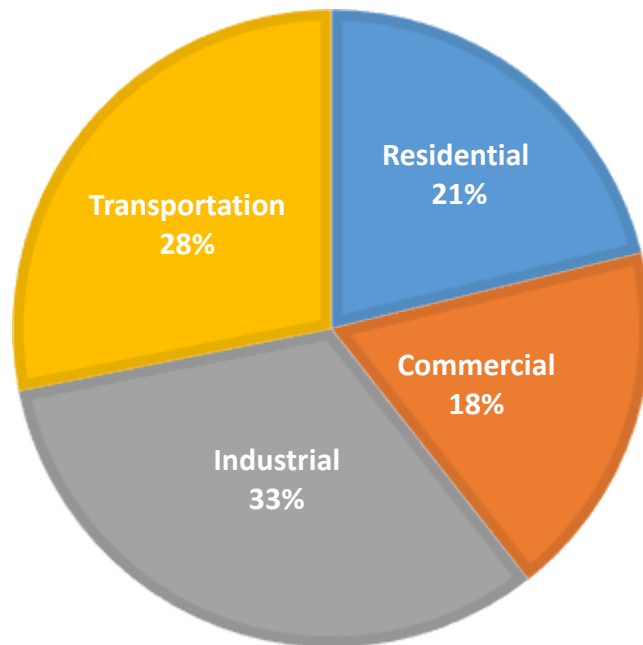
EPA's energy partnership programs



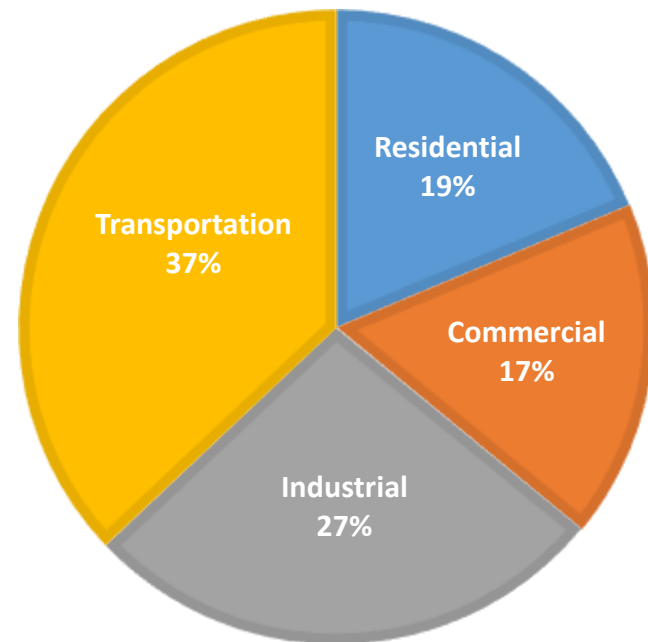
- State and Local Energy and Environment Program
- ENERGY STAR
 - Products, Homes, Commercial Buildings, and Industry
- Green Power Partnership
- Combined Heat & Power Partnership
- Center for Corporate Climate Leadership

The challenge and opportunity of existing buildings

2018 U.S. TOTAL ENERGY USE
BY ECONOMIC SECTOR
(TRILLION BTUS)



2017 U.S. GREENHOUSE GAS EMISSIONS
BY ECONOMIC SECTOR
(MMT CO₂EQ)



Source: [EIA Monthly Energy Review – Table 2.1](#)

Source: [EPA U.S. Greenhouse Gas Inventory](#)



EPA's Climate Protection
Partnerships Division



ENERGY STAR Tools and Resources to Support Your Work in Commercial & Industrial



- Portfolio Manager
- Data access/web services
- ENERGY STAR certification
- Tenant space recognition
- Challenge for Industry
- Competition Guide
- Treasure Hunt resources
- Online help/training
- Implementation support
- ...and more!

<http://www.energystar.gov/state>

Recent examples of how states use ENERGY STAR in C&I

- **State-wide Policy**
 - Commercial building benchmarking and disclosure (policy map)
 - Benchmarking of State-owned buildings
 - Automate utility data exchange into Portfolio Manager
- Host Energy Efficiency **Competitions**
- Promote **Treasure Hunts**
- **Sector Engagement**
 - K-12 Schools
 - Distilleries
- Framework for **incentives**
 - Certification
 - EE Improvement



New resources from ENERGY STAR for saving energy in existing homes



- **Air-source heat pumps:** revised specification, upcoming guide & awareness campaign
- **Heat pump water heaters:** replacement guide, installer finder, and education
- **Connected products:** 12 categories
- **Smart Home Energy Management Systems (SHEMS)**
- **EV chargers:** Level 1 & 2, DC fast chargers coming this summer 2020
- Exploring more for existing homes
- ...and more!

Opportunities for recognition in your state...



Annual ENERGY STAR Partner of the Year Awards



Building and Industrial plant certifications



ALABAMA

Families and businesses are saving:

- 1.2 million kilowatt-hours of electricity
- 1.2 million gallons of water
- 1.2 million gallons of oil
- 1.2 million gallons of natural gas

Across the state of Alabama:

- 1,000 ENERGY STAR buildings
- 1,000 ENERGY STAR homes
- 1,000 ENERGY STAR schools
- 1,000 ENERGY STAR businesses

State Highlights:

- 1,000 ENERGY STAR buildings
- 1,000 ENERGY STAR homes
- 1,000 ENERGY STAR schools
- 1,000 ENERGY STAR businesses

DELAWARE

Families and businesses are saving with the help of ENERGY STAR:

- 1.2 million kilowatt-hours of electricity
- 1.2 million gallons of water
- 1.2 million gallons of oil
- 1.2 million gallons of natural gas

Across the state of Delaware:

- 1,000 ENERGY STAR buildings
- 1,000 ENERGY STAR homes
- 1,000 ENERGY STAR schools
- 1,000 ENERGY STAR businesses

State Highlights:

- 1,000 ENERGY STAR buildings
- 1,000 ENERGY STAR homes
- 1,000 ENERGY STAR schools
- 1,000 ENERGY STAR businesses

NORTH CAROLINA

Families and businesses are saving with the help of ENERGY STAR:

- 1.2 million kilowatt-hours of electricity
- 1.2 million gallons of water
- 1.2 million gallons of oil
- 1.2 million gallons of natural gas

Across the state of North Carolina:

- 1,000 ENERGY STAR buildings
- 1,000 ENERGY STAR homes
- 1,000 ENERGY STAR schools
- 1,000 ENERGY STAR businesses

State Highlights:

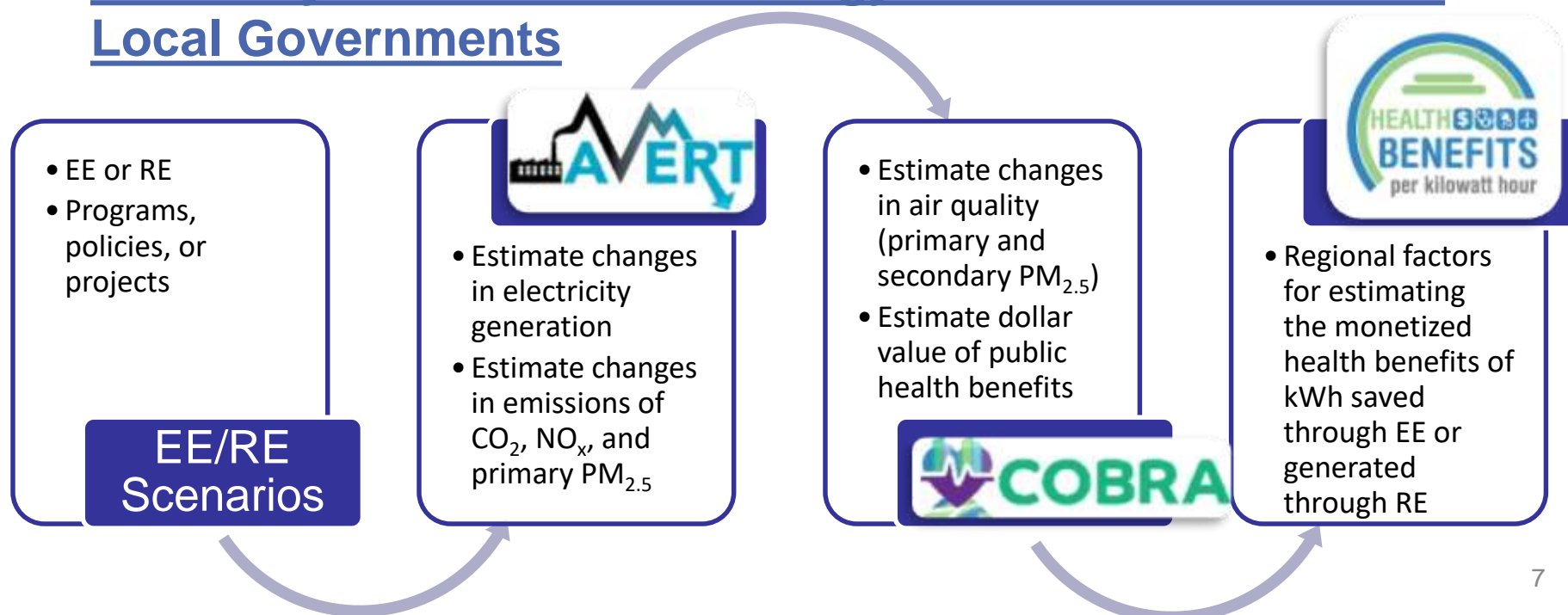
- 1,000 ENERGY STAR buildings
- 1,000 ENERGY STAR homes
- 1,000 ENERGY STAR schools
- 1,000 ENERGY STAR businesses

State by State fact sheets for ENERGY STAR:

www.energystar.gov/statefacts

Making the case for energy efficiency

- Analysts can use EPA's [AVERT](#) and [COBRA](#) models and new [Health Benefits per-Kilowatt Hour values](#) to credibly quantify the emissions and monetized health impacts of energy efficiency and renewable energy programs, policies, and scenarios.
- Updated [Quantifying the Multiple Benefits of Energy Efficiency and Renewable Energy: A Guide for State and Local Governments](#)



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**State and Local
Energy and Environment Program**

epa.gov/statelocalenergy



energystar.gov



epa.gov/greenpower



epa.gov/chp



epa.gov/climateleadership