

# Home Energy Conservation Tips

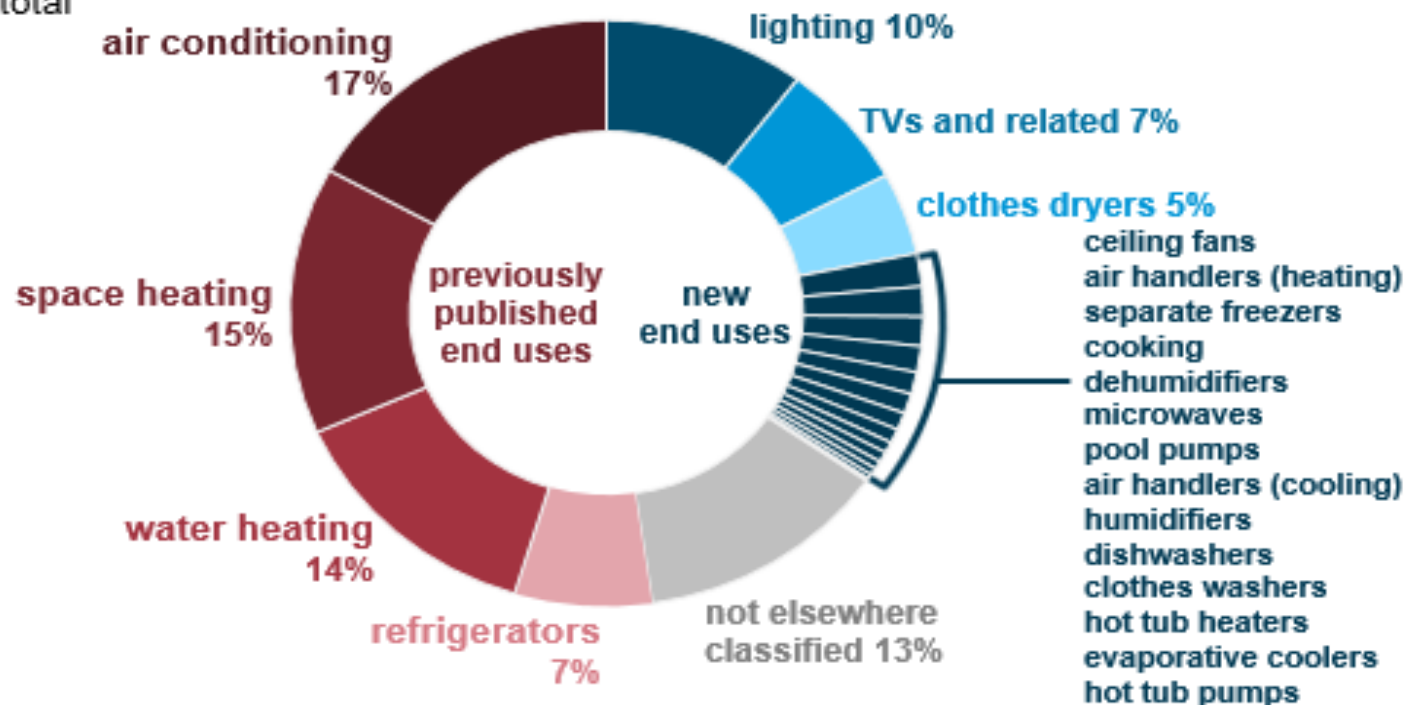
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# Residential Energy Consumption

- According to the Energy Information Administration (EIA)
- In 2017 Residential Consumers accounted for :
  - 1,378,819 million Kilowatt –hours
  - 36% of the national total
  - 4,423 billion cubic feet of natural gas
  - 16% of the national total

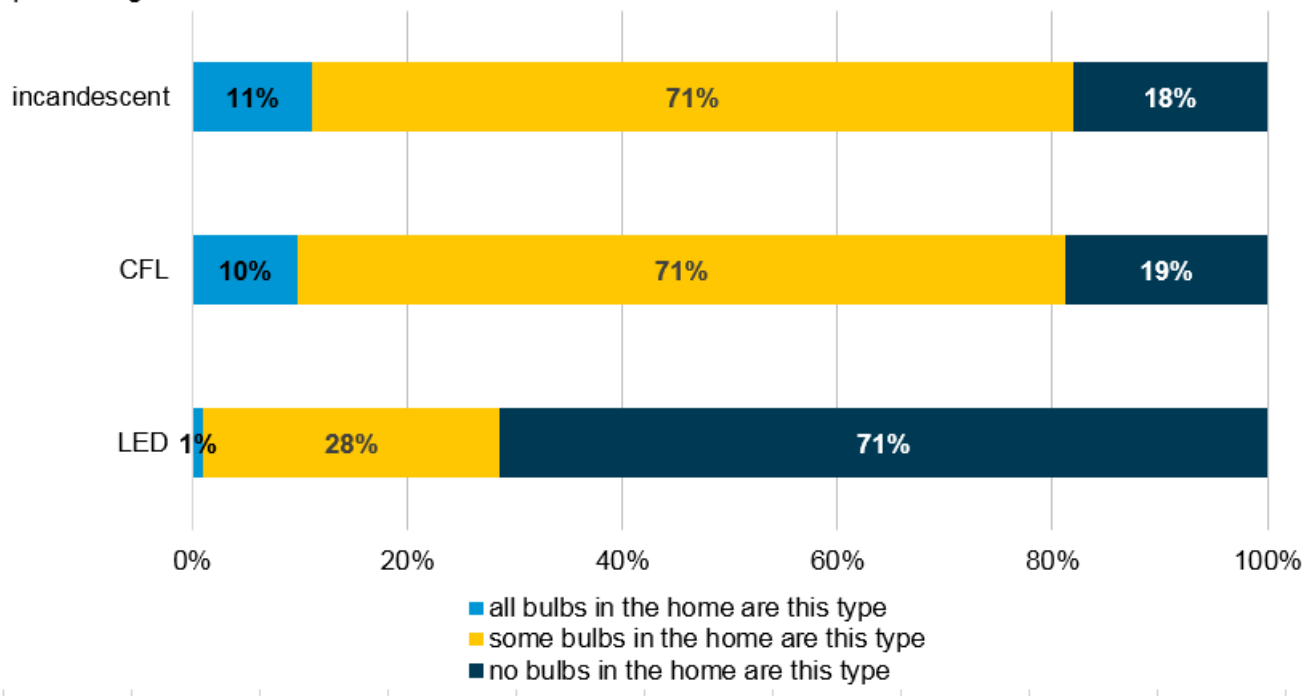
# How are we using electricity?

**Residential electricity consumption by end use, 2015**  
percent of total



# Lighting

Figure 14. Most households have a mix of lightbulbs installed  
percentage of homes



# Appliances and Air Conditioners



## Appliances

- Washers & Dryers
- Refrigerators
- Dishwashers

## Electronics

- Televisions /Set Top Boxes
- Computers / Monitors

## Heating & Cooling Equipment

- Furnaces
- Central A/C Window A/C
- Smart Thermostats
- Water Heaters

# Natural Gas

## • Insulation

- Temperature Zone 5
- Attic: Uninsulated – R49-R60      Existing 3-4" - R38-R49  
R60 = 8-16"      R-38=6 1/4" batt 12" loose
- Floors R25-R30
- Walls – Add R5 insulative sheathing before installing new siding.

## • Weather Sealing

- Caulk all gaps and openings around windows and doors
- Install seals on all exterior doors

# Natural Gas

- Low Flow Water Devices
  - Showerheads, Areators
- Programmable Thermostat
  - Nest, Ecobee, Honeywell
- Windows



# Renewable Energy

- OH SUN (Ohio Solar United Neighborhoods)
  - <https://www.solarunitedneighbors.org/ohio/>
  - Cuyahoga County Solar Co-op

