

Biomass

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Biomass is renewable but it's not totally clean when burned. Biomass is organic matter used as a fuel, especially in a power station for the generation of electricity. A biomass-fired power plant produces electricity and heat by burning biomass in a boiler. Small-scale biomass electric plants have installed costs of \$3,000 to \$4,000 per kW, and a leveled cost of energy of \$0.8 to \$0.15 per kilowatt hour. Biomass has been used as fuel for tens of thousands of years. Development of biomass applications has made great strides in recent decades.

Reasons to use biomass

- Renewable
- Dependency on Fossil Fuels
- Carbon neutral
- Widely available
- Used in many forms
- Helps reduce waste

Reasons to not use biomass

- Not totally clean when burned
- Can lead to deforestation
- In-efficient
- Requires a lot of space
- Expensive

U.S. electricity generation by fuel type (2016)

