



AUES



ИНОСТРАННЫЙ ЯЗЫК

Electricity or Renewable Sources of Energy

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Electricity or Renewable Sources of Energy

Key Renewable Energy Sources



Solar Power

- Photovoltaic
- Solar-thermal



Wind Power

- Onshore
- Offshore



Biofuels

- Agricultural crops (1st Gen)
- Cellulosic feedstock (2nd Gen)
- New feedstock such as Algae (3rd Gen)



Hydro Power



Solar Power

- Generally captured in two forms.
- Remains an expensive method of generating electricity.
- Advances in technology and support from certain governments.



Wind Power

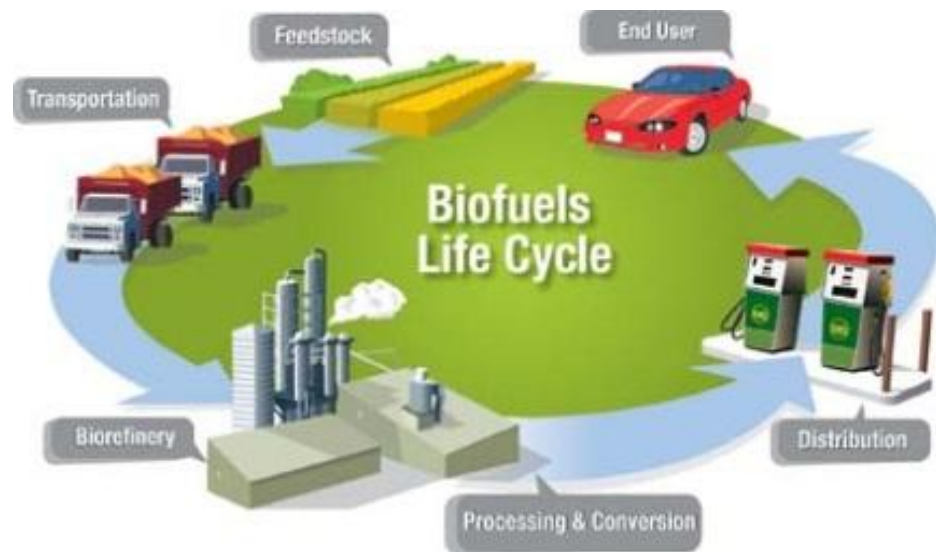
- Converts kinetic energy of wind to electrical energy.
- Renewable of choice in Europe and the United States.
- Competitive alternative to more traditional methods of power generation.



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Biofuels

- Produced through contemporary biological processes, such as agriculture.
- Ethanol is an alcohol distilled from plant material (corn in the U.S., sugar cane in Brazil, wheat in Europe) and used as gasoline substitute or blend stock.
- Biodiesel is produced by the transformation of animal fat or vegetable oil into a conventional diesel substitute.



Hydropower

- Power derived from the energy of falling water or fast running water
- Largest global contributor amongst all renewable energies.
- Most mature of renewable energies



Sources

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