



INVESTMENTS IN RENEWABLE ENERGY SOURCES (IN HOUSEHOLD SECTOR)

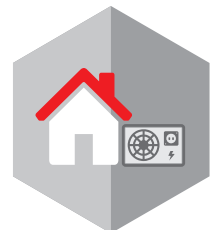
● Investing in renewable energy sources at home or business place is:

- A way to achieve partial independence from the power grid
- Lowering electricity bills
- Pro-ecological action: no emissions of carbon dioxide and other pollutants
- Energy independence in places with frequent power cuts



● Renewable energy sources:

- Are inexhaustible
- Renew quickly



● To use RES in buildings, we implement:

- Solar collectors
- Photovoltaic panels
- Heat pumps
- Biomass boilers
- Home wind farms



● Solar collectors

- They convert the energy of solar radiation into thermal energy.
- 1 m² of solar collector can heat 50 liters of water / day.

● Photovoltaic cells

- Convert the energy of solar radiation into electricity.
- Under optimal conditions, 1 kw of pv installation power can generate about 1000 kwh / year of electricity.



● Heat pumps

- Raise the temperature of the heat taken from the environment to the level required for heating purposes.
- In summer, the process can be reversed, the heat pump cools the building and heats the "ground source".

● Biomass boilers

- Ensure low heating costs and are environmentally friendly.
- Burning biomass, a large amount of heat is obtained, which makes it an attractive fuel for heating boilers.

● Home wind farms

- Good solution for people who live far from the electricity grid or complain about frequent power cuts.
- Electricity is generated in a generator driven by the rotor blades.