Wind-power generation

Turn blades with natural wind to generate electricity.

<Merit>

It's total domestic energy.

<Demerit>

Because of differences in wind strength, Power supply is susceptible to change. We can't make a constant supply.

Solar power

Convert the solar light energy into electric energy.

<Merit>

It's total domestic energy.

<Demerit>

Supply amount is not stable.

Power generation's history

The first season

1887 ~ 1911

Hydro < Thermal

The second season

1912 ~ 1962

Hydro > Thermal

The third season

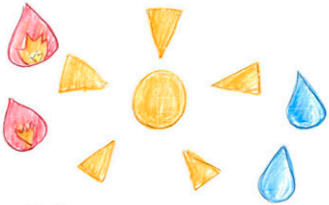
1963 ~ 2011. 3. 11

Hydro < Thermal, Nuclear

The forth season

2011. 3. 11 ~ modern

Nuclear < Thermal



Various Power Generation

Hirosaki Minami High School

13HR Group 5

Thermal power generation stadium

Motive

We would like to learn about power generation in Aomori. And, we would like to think about how to do more in the future.

Thermal power generation

The heat obtained by burning fossil fuel makes high temperature steam and pressure and turns the turbine to generate electricity.

<Merit>

The amount of power generation can be adjusted according to the demand of electric power.

<Demerit>

Carbon dioxide comes out when it occurs.

It needs a lot of fuel.

Nuclear power generation

Makes steam when uranium fission generates heat. It turns the turbine to generate electricity.

<Merit>

Easy transportation and storage of fuel.

<Demerit>

Radio active waste is generated.

Geothermal power generation

Uses hot steam created from the heat of magma to turn the turbine and generate electricity.

<Merit>

It's total domestic energy.

<Demerit>

It's difficult to secure places where high temperature geothermal energy can be obtained.

Hydro power generation

Rotate the water wheels with the power of water flowing from high to low ground to generate electricity.

<Merit>

It's total domestic energy.

<Demerit>

There are times when it is not possible to generate electricity. Depends on amount of water accumulated in the dam.