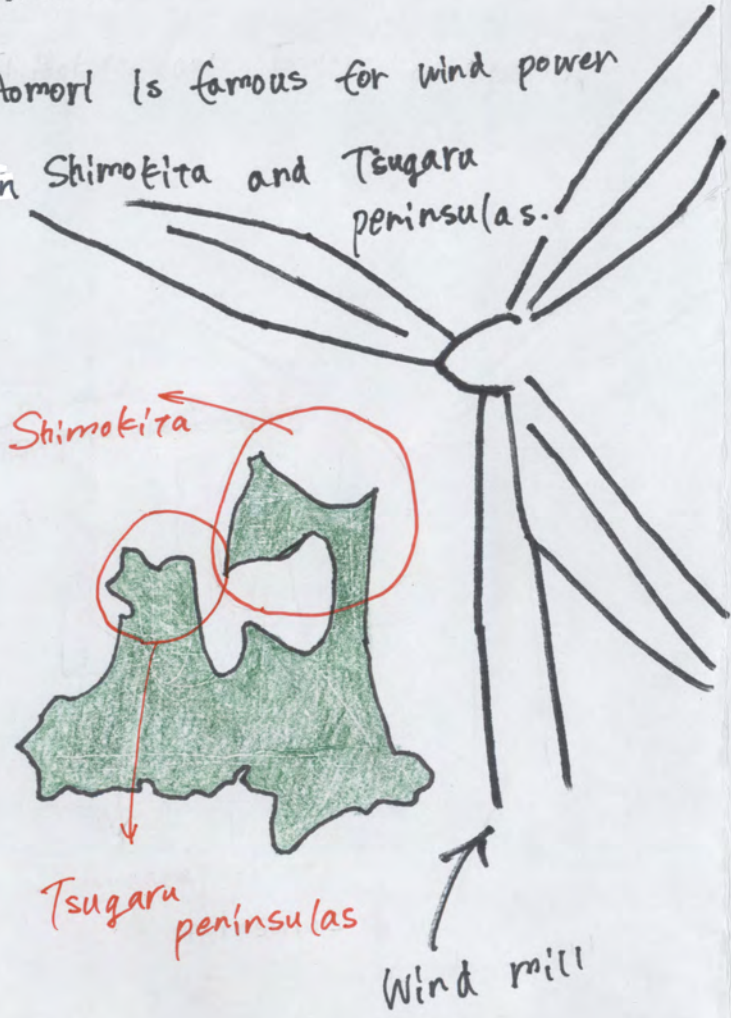


< Natural energy power >

Natural energy sources are hydro, wind power, solar power, biomass, geothermal power, tidal power, wave power.

Aomori is famous for wind power in Shimokita and Tsugaru peninsulas.



< Nuclear power generation >

Nuclear power generation is a power generation method that turns a turbine with the substance called uranium to make electricity. Uranium is the heaviest substance on Earth and a small amount can cover a considerable amount of electricity of each household. Nuclear power generation is very dangerous if it makes a mistake a bit. But it is one of the power generation methods that is indispensable.



- Theme -

Nuclear power generation and natural energy.

HIROSAKI MINAMI HIGH SCHOOL

First grader 14 HR group 5

Member

Purpose

We are going to start this research project, because of the famous Great East Japan Earthquake. Because of that we don't use nuclear power generation. In stead, we use natural power generation. We are interested in saving electricity. Next, this project's purpose is that we have opinions about generation method in the future by understanding energy and power generation. As a hypothesis, power from nuclear generation is more than power from natural generation. Nuclear power generation costs more than natural power generation. The natural power generation will have more merits than nuclear power generation. Our research methods are using the Internet and reading books.

First, comparing the merits and demerits of nuclear power generation and natural energy.

<Nuclear power>		<Natural energy power>	
<u>merits</u>	<u>demerits</u>	<u>merits</u>	<u>demerits</u>
<ul style="list-style-type: none">• Stable power supply.• Low power generation cost.• Does not emit carbon dioxide.• Does not need fossil fuels.	<ul style="list-style-type: none">• In case of accident, Radioactive substances spread delly wid.• It takes a very long time to decontominate.	<ul style="list-style-type: none">• Semipermanent use is possible.• Does not emit carbon dioxide.• It can be used even if there is emergency.	<ul style="list-style-type: none">• Electric power generation is low• Power cost is high (1kw/¥13.6(hybrid))

This is the purpose to research Nuclear power and natural energy's electric power generation and how to fill the gap between the two.

★ Nuclear power generation → 1 hour about 1 million KW

- Sun power case → Solar panel put on 58 km² place.
- Water power case → About 7000 plant.
- Geothermal power case → About 35 plant.

<Result and discussion>

- Nuclear power makes a lot of electricity so it's difficult to compensate with natural power.

Our group's opinion is "We should use nuclear power in the future". It is certain that nuclear energy is dangerous. But nuclear power is necessary for Japan and other countries to develop.