



(3) Wind power generation

on land

Wind	strong	weak
windmills rotate		
	fast	slowly

Consideration

- We need vast land to build it.
- We need a lot of money.
- Wind power generation is efficient.

Need of
wind power generation.

(4) Wind power generation at sea.

- Installation costs to make are more than the ones on land.
- Produces more electricity.
- Effect on the environment is minimal.

Summary

While wind power generation is an important kind of power generation, there are many obstacles before it can be used efficiently.

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(5) Other renewable energy sources

- Hydro power generation.
- Solar power generation
- Geothermal power generation.
- Tidal power generation.
- Thermal power generation.

So

With further technological innovation, it will be a future task to make it possible to cover electricity all over the world with renewable energy alone.

Member

- 1.  Member Name
- 2.  Member Name
- 3.  Member Name
- 4.  Member Name

Purpose

We wanted to know about wind power generation.

Question

Why are there so few wind turbines in Japan?

Research

(1) Benefits

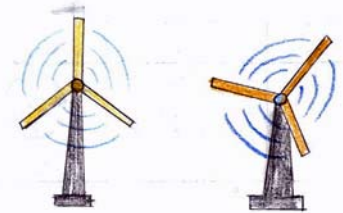
- Environmentally Friendly.
- It can generate electricity regardless of the time of day.
- We don't need resources for power generation.

(2) Disadvantages

- It is susceptible to weather.
- Needs a lot of time and money for maintenance.
- Noise problem.
- Installation location problems.

(6) Building Conditions

- Wind must always blow during the year.
- It needs vast land to build on.
- Installation requires the width of a 5 meter road.

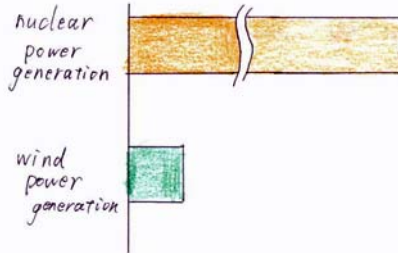


(7) Maintenance

Windmill is maintained every half year
Cost is 12 million yen.

(8) Electric generating capacity

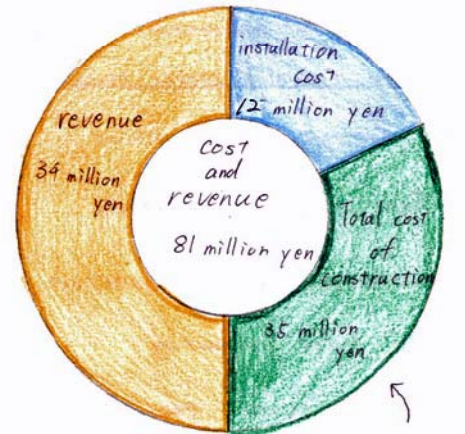
Electric generating capacity of number power is 650 times more than the electric generating capacity of wind power.



(9) Cost and revenue breakdown

per year of wind

power generation.



the total construction cost is paid every year