

## Effect of Eco-Rsystem

Merit

- Less CO<sub>2</sub> emissions because fossil fuels are not used.
- The necessary electricity is enough to turn the pump.

Demerit

- There are still few places that handle it.
- Ease of securing a heat source varies depending on the land.

	Eco-R system	Hot water road heating	Electricity Cost
Per square meter.	5.64	15.70	17.67
A month	169.10	473.00	530.00
Three months	507.30	1419.00	1590.00

Comparison of running costs (\$)

## Consideration

We found that the Eco-Rsystem is an innovative snow melting method that can melt snow efficiently and emit less CO<sub>2</sub>. However, the Eco-Rsystem is not so popular because of its low recognition.

I think the Eco-Rsystem should be more widespread.

I think that it can contribute to global warming counter measures by doing it all over Japan.



Safe life  
With  
efficient  
Snow melting  
method

Member

13-1

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## Purpose

The reason we

wanted to investigate

an efficient snow

melting method was

because we wondered if

there was a good way

to reduce accidents

caused by road surface

freezing.

So we found  
the "Eco-Rsystem"



## Structure

- ① Warm ground water using geothermal heat
- ② Pump the ground water warmed in ① with a pump and pass it through a pipe below the ground
- ③ Melt the snow on the ground.
- ④ Return to ground water flow after use.
- ⑤ Repeat these

## The spread of the Eco-R system

This system was created by a company called General Rail Home Service in Hirosaki.

So far, this system has been installed in hospitals, nurseries, companies and other parking lots and houses in the prefecture.

In addition, orders are increasing due to support from the Ministry of Economy Trade and Industry during sales.

