Let's Think About SDGs

Issue 5

Goal 7 Affordable and Clean energy

Carrying on from issue 2, we are looking at SDGs related to Nippon Paper Group business. This issue deals with Goal 7 "Affordable and Clean energy"



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Goal 7 "Affordable and Clean energy" and its Background

• (Goal) Ensure access to affordable, reliable, sustainable and modern energy for all

Targets (SDG 7 targets related to our group)



- 7.2 Ensure universal access to affordable, reliable and modern energy services
- 7.a Enhance facilitating access to clean energy research and technology, including cleaner fossil-fuel technology

Background

Since people everywhere use energy (electricity), if they continue to rely on fossil fuels emission of greenhouse gasses will have a major impact on climate. Therefore, it is necessary to develop technologies that can supply energy with low environmental impact, to supply it more cheaply and to encourage its widespread use.

Nippon Paper Group and Goal 7

About half energy used by our group for domestic production is non-fossil fuel derived from woody biomass such as black liquor (a byproduct of pulp manufacturing), and building waste (1).

We also use the power generation technology developed for paper-making as a (mainly renewable) energy business itself. (2).



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Hi there! I'm Mr. S.D.Gees. and I'm here to learn all about SDGs and how I can apply them in my work.

Please check the QR Code to help with studying

In Panel 1. let's learn about

the kinds of renewable

So, how did a paper-making company

get to become involved in the energy

Traditionally, paper mills gained power-plant

experience and technology to supply the power for

enerav.

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business?



SDGs have goals and targets. See goal 7 and all its targets at l 🗐 Si https://bit.ly/2GINI2g









Panel 3

Biomass energy utilization in the Group

The Nippon Paper Group, one of the leading corporate users of woody biomass energy in Japan, utilizes wood biomass fuel (black liquor, construction waste, etc.). The amount consumed accounts for up to 5%* of non-fossil energy (excluding nuclear and hydroelectric power) used in Japan*.



In-house figure by Nippon Paper Industries Co., Ltd. using energy supply information (fiscal 2016 finalized ir ublished by the Natural Resources and Energy Agency

questionnaire.



Yatsushiro Mill Biomass Power Station

We made effective use of part of the site of the Yatsushiro mill (Yatsushiro City, Kumamoto prefecture) and established a biomass power generation facility that uses 100% waste wood material such as thinned timber as fuel.

Akita Mukaijima Wind Power Plant

Business start: Jan. 2018, power generation capacity: 7,485 kW (total of 3 units)

In collaboration with Venti Japan Co., Ltd., we established three wind power generation facilities in Akita mill neighboring area (Akita City, Akita Prefecture)

Wind power

olar power

Panel 2

Panel 1

Sunlight

Nippon Paper Group's renewable energy project examples

What is renewable energy?

Biomass Wind Power HydroElectric Geothermal

he show he sho

Komatsushima Solar Power Station Komatsushima is a mega solar project on a major scale, approximately 400,000 m². Located in Shikoku, it is a collaboration with Mitsubishi Shoji Power Co., Ltd. in part of the company owned area in Komatsushima City, Tokushima prefecture.

energy of sunlight, biomass and wind power



Compared with energy derived from fossils such as oil and coal, renewable energy can use resources repeatedly without depletion. Renewable energy does not emit (or is not considered to emit) carbon dioxide which causes global warming.

The Group conducts electricity business with renewable

Business start: Feb. 2015, power generation capacity: Approx. 34,000 kW

Business start: June 2015, power generation capacity: 6,280 kW

	Panel 4	
5 n)	Development of mixed combusti Trefection technology developed by our com manufacturing biomas can replace coal in th generation. The techn woody biomass, giving qualities. The resultan pellets) can be used i existing coal-fired power plants. Currently, we are running a demonstration test in Thailand and a burning test at the Kushiro mill.	is a method, pany for ss-based fuels which ermal power ique semi-carbonizes g it excellent handling t woody fuel (Trephide
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We are looking for opinions from you. Please complete the WEB



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