

SONY

Sony Group's Environmental Activities

ITU-WBA Webinar

Greening Digital Companies: Monitoring Emissions and Climate Commitments

Session 1

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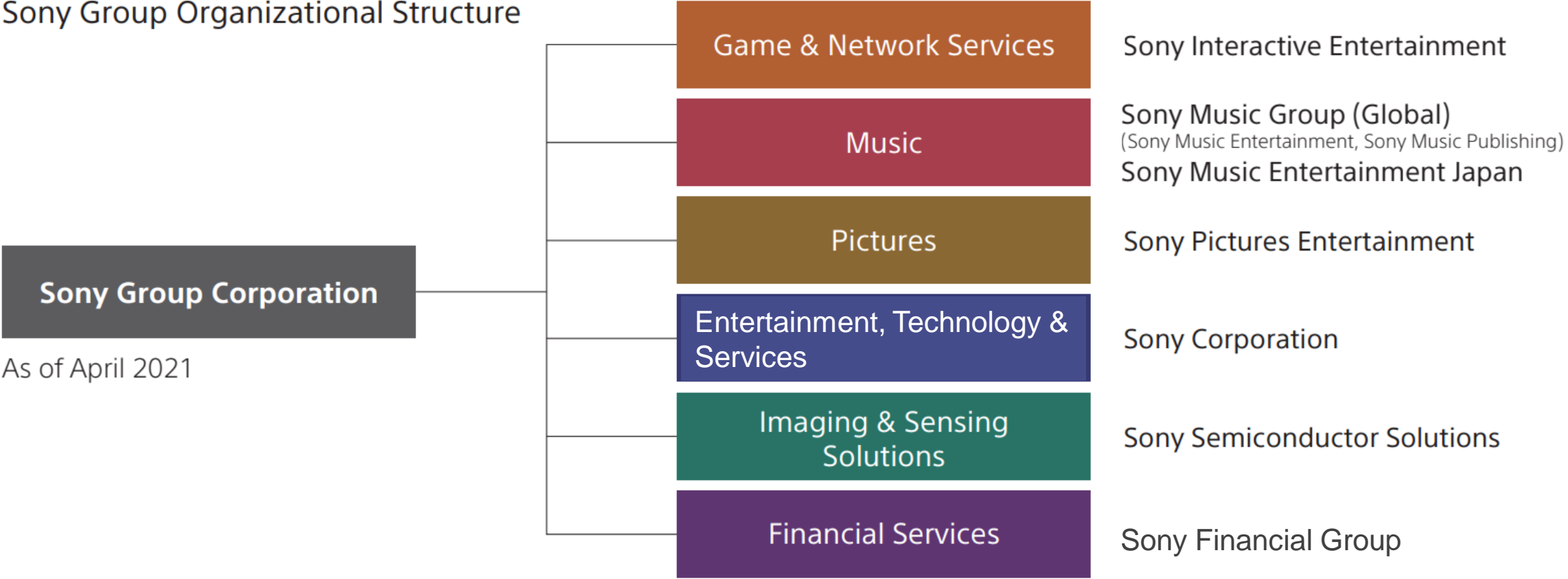
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agenda

- 1. Overview of the Sony Group**
- 2. History of Sony Group environmental activities**
- 3. Acceleration of our climate targets**
- 4. Extensive disclosure**
- 5. Our challenges**

Overview of the Sony Group

Sony Group Organizational Structure



As of April 2021

A Creative Entertainment Company with a Solid Foundation of Technology

History of Sony Group environmental activities

- 1976 Company-wide Sony Environmental Conference established
- 1993 Sony Global Environmental Policy and Environmental Action Program developed
- 1995 Began to acquire ISO14001 certification at manufacturing sites in Japan
- 2006 Integration of environmental management systems at sites around the world completed
Joined WWF's Climate Savers Programme
- 2010 Road to Zero environmental plan announced
- 2015 Established Environmental Medium-term targets Green Management 2020
Approved as Science Based Targets (SBT) (the "2.0°C target")
- 2018 Joined RE100
- 2020 Reapproved as SBT (the "1.5°C target")
- 2022 Accelerated climate change target years of Road to Zero and RE100 by 10 years

Sony Group's Environmental Activities: Responsibility & Contribution

Responsibility



Renewable Energy



Recyclable materials for packaging



Employing recycled plastic



Package with reduced plastic



Ocean Plastic Pollution Prevention



Low energy use

Contribution



Original Blended Material



Material made from rice husks



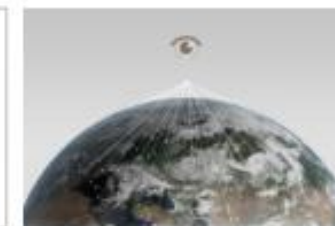
Synecoculture™



Recycled Plastic (SORPLAS)



Environmental Awareness Through Games with the United Nations



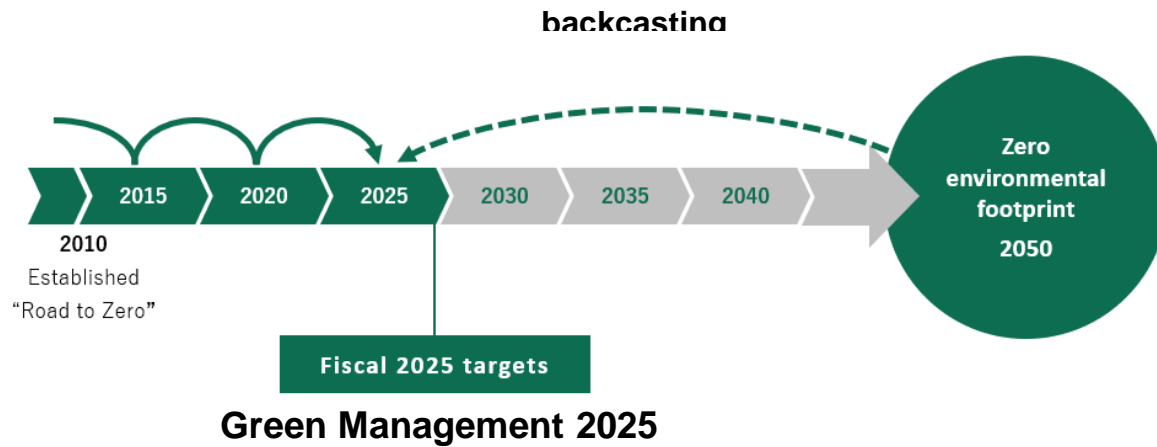
Project Watching Over the Earth

Reducing our environmental impact

Improvement of the global environment (including outside of Sony Group)

Sony's Environmental Plan "Road to Zero" life stages

Sony strives to achieve a zero environmental footprint throughout the life cycle of our products and business activities by 2050.



- Set medium-term targets every 5 years as a milestone
- Medium-term targets are formulated from "4 perspectives" for each of "6 life stages"
- Steadily implement measures that contribute to climate change countermeasures



4 perspectives



Announcement at the Corporate Strategy Mtg on May 18

In the climate change area, accelerate the target year for achievement of carbon neutrality, including **scope 3**, to **2040**

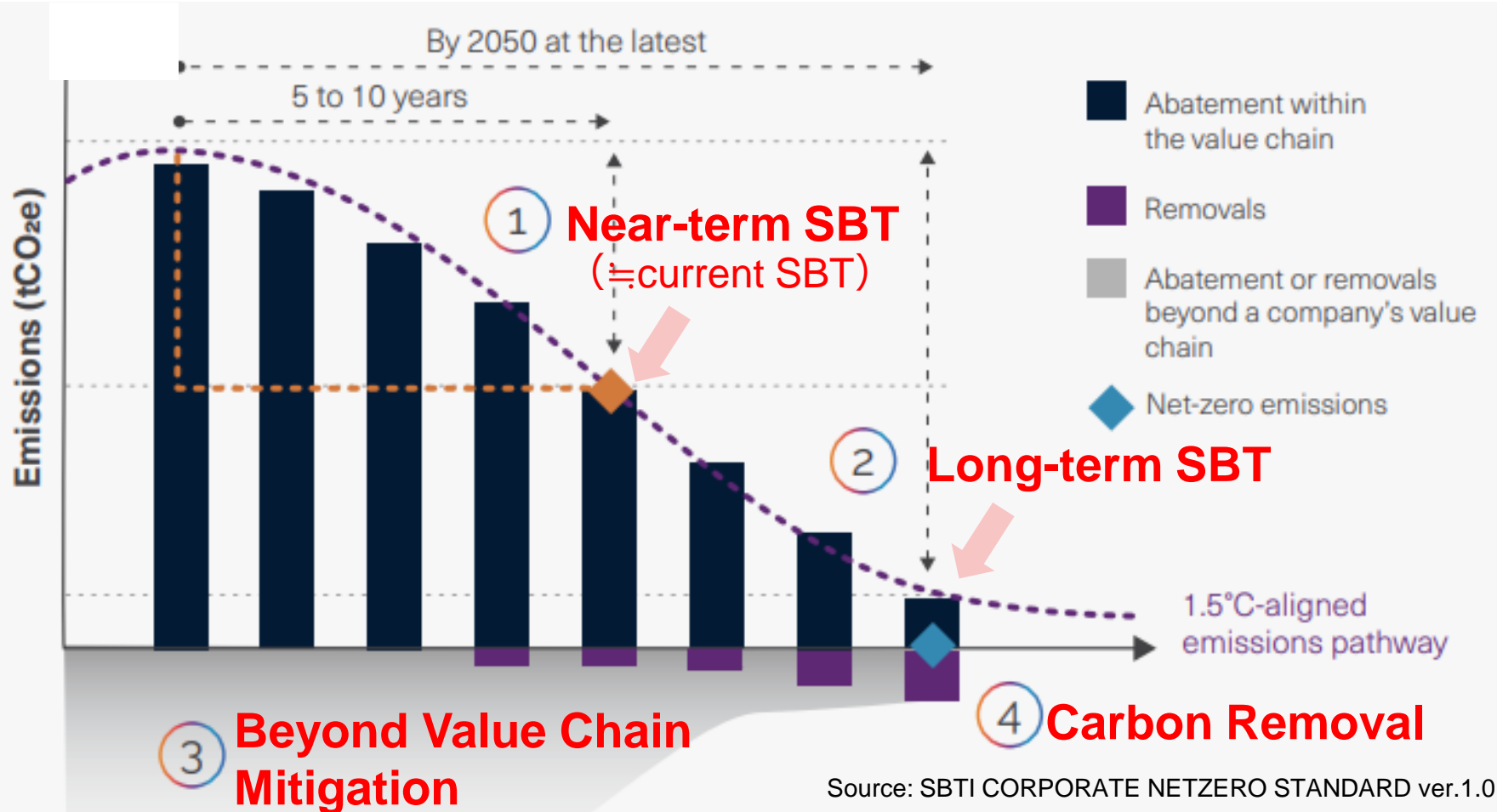
Accelerate the target year for achievement of 100% renewable energy to **2030**



RE100

Accelerating Climate Change-Related Targets

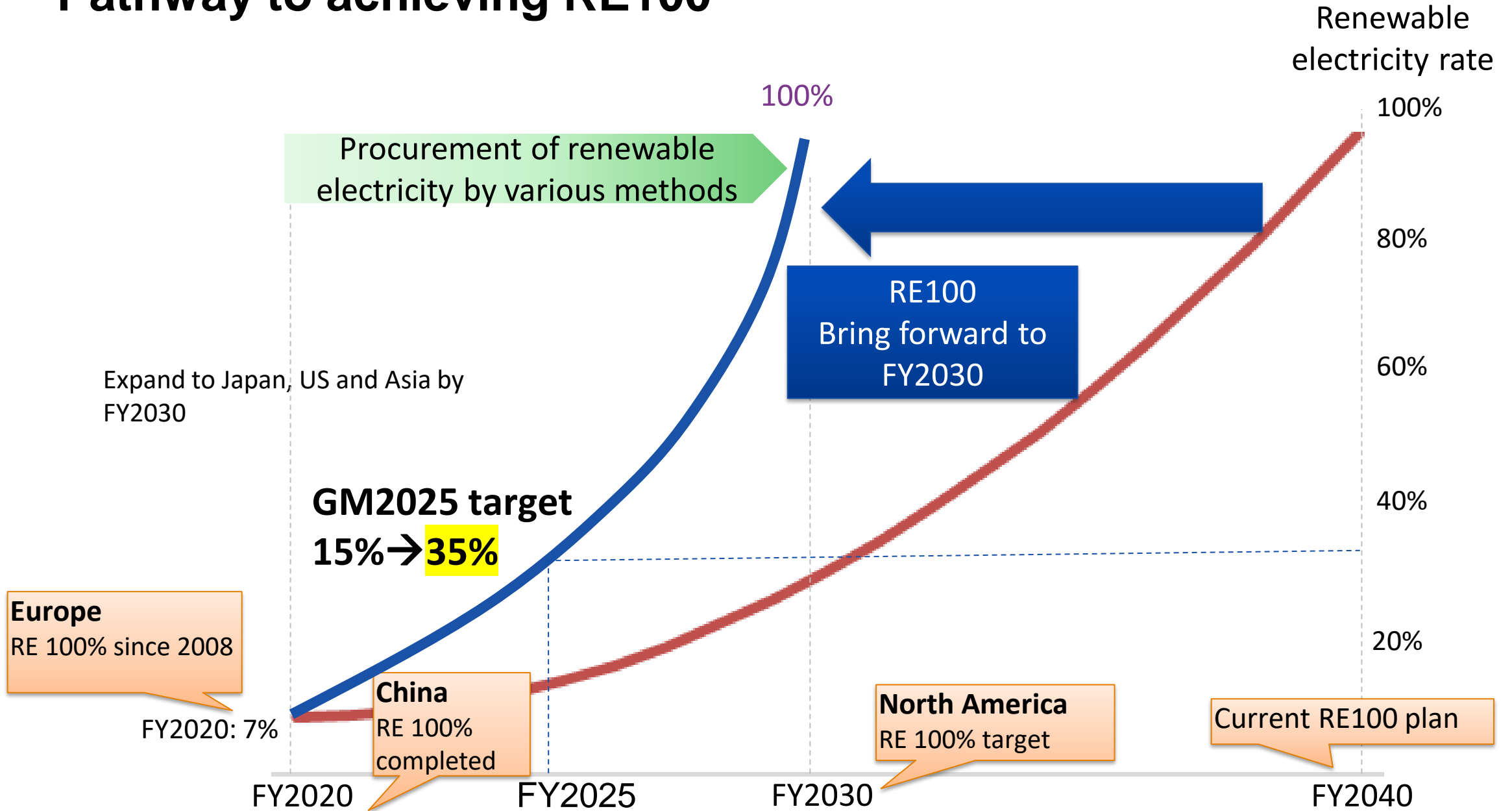
Requirements of Science-Based Target Initiative's Net-Zero targets



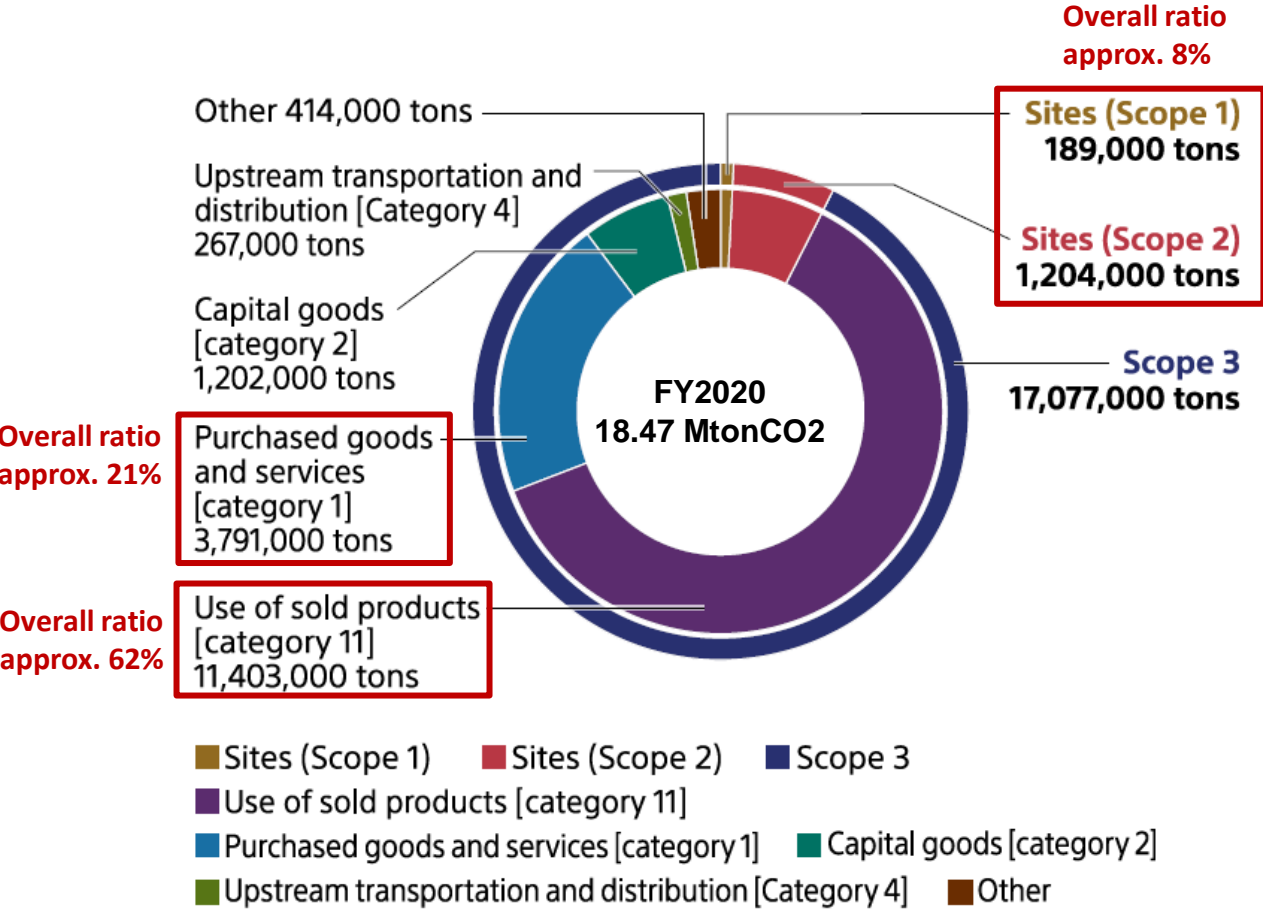
- ① **Near-term SBT**
Targets in line with 1.5°C pathways
Set targets within 5-10 years after submitting targets*
*In case the targets have already been certified by SBTi, goals 15 years ahead are acceptable.
→ Sony's current SBT targets in 2035 are acceptable.
- ② **Long-term SBT**
Reduce emissions by at least 90% in no later than 2050.
- ③ **Beyond Value Chain Mitigation**
Doesn't count as a company's emission reduction or achievement of Net-Zero targets.
- ④ **Carbon Removal**
Neutralize residual emissions at the target year of ②. Recommend to start neutralization several years before the target year.

Sony Group's net zero target is in line with SBTi requirements.
First, emission reduction following the 1.5C pathway, then conducting carbon removal on residual emissions.

Pathway to achieving RE100



Greenhouse Gas Emissions of Sony Group



Reduction measures

Site area

- Accelerate energy saving and use of renewable energy

Supply chain area

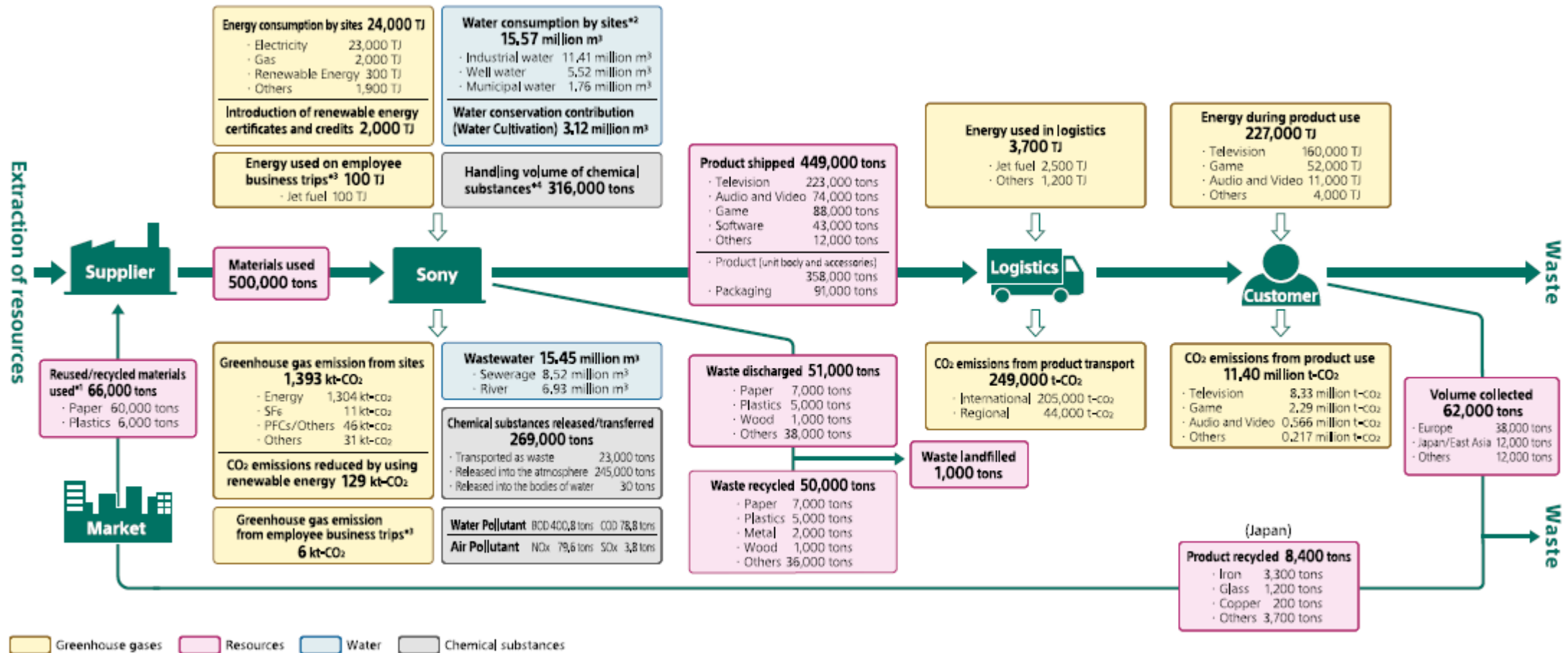
- Engage partners to save energy and use renewable energy, Collaboration with partners
- Select low-carbon or carbon-neutral products and services

Product / service area

- Continue development of energy-saving products
- Encourage users to use energy-saving features

Extensive Disclosure (Sustainability Report 2021)

Overview of Sony's Environmental Impact FY21



*1 Total volume of reused/recycled materials used in products *2 Contribution from groundwater recharge is subtracted from this figure
 *3 Relevant primarily to Sony Group companies in Japan, Europe and North America *4 Volume of Class 1-4 chemical substances handled
 Note: Business processes other than those shown in this chart—including the production of purchased materials used and the recycling of products—may also have an impact on the environment.

Disclosure of Scopes 1, 2, & 3

Environment

(FY)

Item	Scope	Unit	2018	2019	2020
Greenhouse gas emissions: Scope 1 (direct emissions)	Sony Group	Thousand tons-CO ₂	187	188	189
Greenhouse gas emissions: Scope 2 (indirect emissions)	Sony Group	Thousand tons-CO ₂	1,152	1,188	1,204
Greenhouse gas emissions: Scope 3 (Other emissions)	Sony Group	Thousand tons-CO ₂	16,403	14,870	17,077
Purchased goods and services	Sony Group	Thousand tons-CO ₂	4,233	3,316	3,791
Capital goods	Sony Group	Thousand tons-CO ₂	781	1,296	1,202
Fuel- and energy-related activities (not included in scope 1 or scope 2)	Sony Group	Thousand tons-CO ₂	94	95	173
Upstream transportation and distribution	Sony Group	Thousand tons-CO ₂	220	172	267
Waste generated in operations	Sony Group	Thousand tons-CO ₂	39	41	43
Business travel	Sony Group	Thousand tons-CO ₂	93	87	6
Employee commuting	Sony Group	Thousand tons-CO ₂	102	125	51
Upstream leased assets	Sony Group	Thousand tons-CO ₂	N/A	N/A	N/A
Downstream transportation and distribution	Sony Group	Thousand tons-CO ₂	3	3	3
Processing of sold products	Sony Group	Thousand tons-CO ₂	4	4	5
Use of sold products	Sony Group	Thousand tons-CO ₂	10,635	9,570	11,403
End-of-life treatment of sold products	Sony Group	Thousand tons-CO ₂	182	137	117
Downstream leased assets	Sony Group	Thousand tons-CO ₂	N/A	N/A	N/A

Item	Scope	Unit	2018	2019	2020
Greenhouse gas emissions: Scope 3 (Other emissions)					
Franchises	Sony Group	Thousand tons-CO ₂	N/A	N/A	N/A
Investments	Sony Group	Thousand tons-CO ₂	17	24	16

Our challenges

Scope 2: Securing stable and ample renewable energy at affordable price

- Addressing through installing own solar panels and intracompany electricity transfers, buying green power menu from utilities, and renewable electricity certificates.
- Conversation with the Japanese government

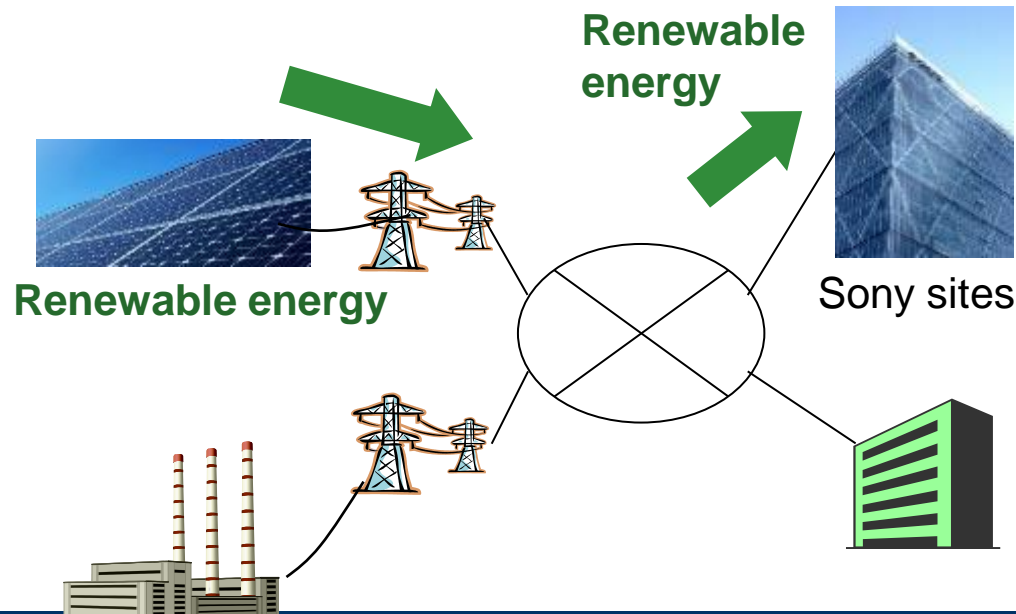
method 1

Own PV generation



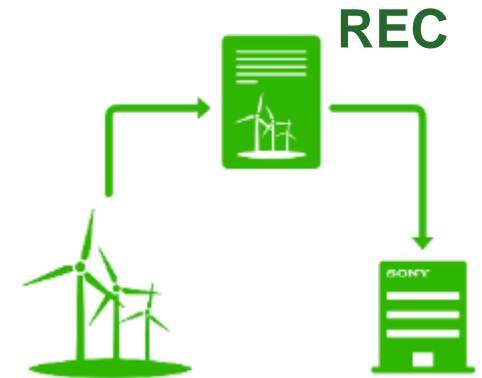
method 2

Direct procurement of renewable energy from utilities, etc.



method 3

Renewable energy certificates



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