Financing Programme for JCM Model Projects and JCM Global Match



February 16, 2024

Global Environment Centre Foundation (GEC)



Agenda





JCM Partner Countries (28 countries as of January 2024)



Mongolia Jan. 8, 201 (Ulaanbaatar)



Bangladesh



Ethiopia Mar. 19, 2013 (Dhaka) May. 27, 2013 (Addis Ababa)



Kenya



Aug. 7, 2013 (Vientiane)



Saudi Arabia May. 13, 2015



- 241 44 Tunisia Aug. 26, 2022 (Tunis)



Papua New Guinea Nov. 18, 2022 (Sharm-el-Sheikh)



Indonesia Aug. 26, 2013 (Jakarta)



May. 26, 2015 (Santiago)



Azerbaijan Sept. 5, 2022 (Baku)



United Arab Emirates Apr. 16, 2023 (Sapporo)



Dec. 9, 2013 (Tokyo)



Myanmar Sep. 16, 2015 (Nay Pyi Taw)



Moldova Sept. 6, 2022 (Chisinau)



Kyrgyz Republic July. 6, 2023 (Bishkek)





Palau Jan. 13, 2014 (Ngerulmud)



Thailand Nov. 19, 2015 (Tokyo)



Georgia Sept. 13, 2022 (Tbilisi)



Republic of Kazakhstan* October 30, 2023 (Astana)









Maldives Jun. 29, 2013 (Okinawa)



Viet Nam Jul. 2, 2013 (Hanoi)



Cambodia Apr. 11, 2014 (Phnom Penh)





Mexico Jul. 25, 2014 (Mexico City)



Aug. 25, 2022 (Dakar)

Sri Lanka Oct. 10, 2022 (Colombo)



Uzbekistan Oct. 25, 2022 (Tashkent)





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JCM Model Projects Schedule in FY2023



- Prioritize 28 partner countries that have already established the JCM (as of February, 2024).
- Project proposals in other countries are also received. (Application for FY2023 was already closed)

Adoption is considered in parallel with bilateral negotiations for new partner countries.

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JCM (as of February, 2024). on for FY2023 was already

Development of JCM Model Projects

Development Step



XPIN: Project Idea Note

Outline of JCM Model Projects

Budget	Approx. USD109million for FY2023 *Applied Exchange Rate JPY137/U
Executing Entity	International Consortium that consists of a Japanese entity and a JCM partner-country entity(ies)
Scope of Financing	Facilities, equipment, vehicles, etc. which reduce CO2 from fossil fuel combustion as well as construction cost
Eligible Projects	Start installation after the Contract of Finance is concluded and finish insta
Maximum percentage of Financial Support	Maximum of 50% and reduce the percentage according to the number of already selected project(s) using a similar tech % Number of already selected project(s) using a similar technology in each partner country : none (0) = up to 50%, up to 3 (1-3) = up to 40%, more than 3 (>3) = up to 30%. The percentage
Cost-effectiveness	Cost-effectiveness of GHG emission reductions is expected to be JPY 4 Details are referred in later slide

Guideline

for Submitting JCM model project proposal

/USD

Suggested size of one model project is within USD14.5 million

for installing those facilities, etc.

tallation within 3 years.

chnology in each partner country.

ge of financial support will be determined by GEC.

4,000/tCO2eq or lower.

International Consortium





What kind of projects are supported by Financing Programme? ⇒Excerpt form Guidelines for Su

⇒Excerpt form Guidelines for Submitting Proposals (tentative)2023_Guidelines_for_Submitting_Proposals.pdf (gec.jp) Projects that reduce energy-related CO2 emissions with leading decarbonizing

(a) Projects that reduce energy-related CO2 emissions with technologies in developing countries.

(b) Projects contribute to realization of SDGs (Sustainable Development Goals) and shall comply with the relevant laws and regulations of the partner country and international practices regarding the environmental and human rights protection.

(c) Reduction of GHG emissions achieved by the projects can be quantitatively calculated and verified.

JCM for SDGs



Categorization by applied technology type and Support

Maximum Percentage of Financial Support

Number of selected project(s) using a similar technology in each country	Percentage of financial support
0	Up to 50%
1 to 3	Up to 40%
More than 3	Up to 30%

10% flat for JCM Eco Lease Scheme

		Manga	Bangla	Ethiopi		Maldin	Viet	1.00	Indon	Cente	1	Campb	1	Coudi		Muran	Theile	Dhiling	
Castan	Taskusslasuv	Mongo lia	Bangla desh		Kenya	Maldiv	Viet Nam	Lao PDR	Indon esia	Costa Rica	Palau	Camb odia	Mexico	Saudi Arabia	Chile	Myan	nd	Philipp	
Sector	Technology	MN	BD	a ET	KE	es MV	VN	LA	ID	CR	PW	KH	MX	SA	CL	mar MM	TH	ine PH	
	Air Conditioning System	1*11 N	00	L I	IXL.	PTV	4	LA	2	CIX	F VV		МА	7	CL	1.11.1	1	F I I	7
	Chiller		2				5		5	1		1					5		, 19
	Refrigerator		2				5			-						2	4		7
									1							2			
	Absorption Chiller Using Waste Heat								2								2		4
	Swirling Induction Type Air-								-1								1 1		1
	Fridge and Freezer Showcase	2					2		1				-			2			2
	Boiler Heat Medium Boiler	2					2		4				1			2	3		14
							-		1								-		1
	Double Bundle-type Heat Pump						1		1	-							1		3
	Water Heater Using Waste Heat									1									1
	Waste Heat Recovery System															2	1		3
	Heat Exchanger																1		1
	Transformer						4	2											6
	LED Lighting								2								1		3
1. Energy	LED Lighting with Dimming System						2		1			1							4
Efficiency	Pump						1												1
Lineieney	Air Compressor						1										1		2
	Aeration System								1										1
	Regenerative Burners								1										1
	Gas Fired Furnace						1												1
	Gas Fired Melting Furnace																1		1
	Air Conditioning Control System						1										1		2
	Freaquency Inverter for Pump						1					1							2
	Loom		1						2								1		4
	Old Corrugated Cartons Process								1										1
	Battery Case Forming Device						1												1
	Electrolyzer in Chlorine Production													1			1		2
	Wire Stranding Machines						1												1
	Autoclave								2										2
	Multi-effect Distillation System												1						1
	Injection Modling Machine								1										1
	Solar Power Plant	5	1	1	4	1	14	3	8	1	5	3	2	2	12	1	25	7	95
	Solar Power Plant with Battery								1								1		2
	Small Hydropower Plant						1		11									1	13
	Wind Power Plant						1											0	1
2. Demousele	Geothermal Power (Binary)																	3	3
2. Renewable	Geothermal Power (Flush)																	1	1
Energy	Biomass Power Plant						1		1						1	1			4
	Biogas Power Plant																	1	1
	Biomas boiler						2										2		4
	Biogas boiler															1		1	2
	Biomass Co-generation																1		1
3. Effective Use	Power Generation by Waste Heat								1							1	2		4
of Energy	Gas Co-generation								2							-	4		6
4. Waste	Waste-to-Energy Plant						1									1			2
Handling and	Power Generation by Methane						-						1			-			1
	Digital Tachograph System						1						-						1
5 Transportation	CNG-Diesel Hybrid Bus						-		1										1
5. Hansportation	Reefer Container						1		-										1
Total	Number of technology : 49	7	4	1	4	1	47	5	53	3	5	6	5	3	13	11	61	14	243
1 otal	Number of technology . 49	/	т	Ŧ	т	Ŧ	-T/	5	55	5	5	0	5	5	10		01		243



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Cost-effectiveness of emission reductions

What is the criteria of cost-effectiveness?

JPY4,000/tCO2equivalent

Amount of financial support[JPY]

Emission reductions of GHG [tCO2equivalent/y] × legal durable years[y]

* Legal durable years of the facilities is stipulated by the Japanese law, and are dependent on the industry classification.

JPY3,000/tCO2equivalent

In case the number of similar technological Projects in each country is 5 to 9.

JPY2,500/tCO2equivalent

In case the number of similar technological Projects in each country is 10 or more.

JPY2,000/tCO2equivalent

In case the number of similar technological Projects in each country is 20 or more.

NOTE: Cost effectiveness guide for a solar power project : 2,500JPY/tCo2eq Hydropower project : 500JPY/tCo2eq

for Submitting Guideline

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JCM ECO Lease Scheme

In the fiscal year 2020, "JCM Eco Lease Scheme" is newly introduced to JCM Model Project to cover leasing charges and interests. This scheme has an advantage in reducing the reporting burden of representative participants with shorter monitoring period and simple proposal document.

Representative Participant	Japanese leasing company
Amount of Financial Support	Up to JPY500 million for 3 years in principal
Percentage of Financial Support	Uniformly 10% of total leasing charges including lea
Period of MRV	Equal to leasing period
Leasing Period	At least 5 years
Costs Eligible for Financing	Leasing charges of the costs of facilities/equipment
Eligible Type of Technologies	In principle, technologies with JCM methodology (ie that have been either approved or proposed
Financial Statement for Application	Only financial statements of Representative Particip

★JCM Eco Lease scheme: Monitoring period is equal to the leasing period (Minimum five years)

Guideline

for Submitting JCM model project proposal **Global Environment Centre Foundation**

easing interests

and relevant lease interests

GEC

es)

pant need to be submitted.

- Implement a project to reduce GHG emissions utilizing leading decarbonizing technologies
- Conduct Measurement, Reporting and Verification (MRV) of GHG emission reductions.
- Procedures for the issuance of JCM credits;

(a)Registration as JCM Project

Application for registration should be conducted within 1 year from the start of the operation of the facilities/equipment introduced by the project.

(b) Monitoring

Participants shall conduct monitoring to quantitate the effects of the facilities/equipment on GHG emission reductions based on a MRV methodology approved or expected to be approved by the Joint Committee.

(C) Issuance of JCM Credits

Participants shall request for issuance of JCM credits by using the monitoring results. The issuance includes development of a monitoring report, verification by a TPE, and submission of "JCM Credits Issuance Request" to a JCM Joint Committee.

The Participants shall deliver the issued JCM Credits with the percentage decided by the Ministry of the Environment, Japan to the account of Japanese government.

MRV Process for the JCM (MRV : Measurement, Reporting and Verification)

	Project Participant	Submission of PIN*1*2	*1 PIN (Project Idea Note): A document used to explain t outline of the project to the country and confirm no obje		
Joint Committee		Confirmation of no objection*2	*3 PDD (Project Design Docume A document that includes m		
Pro	oject Participant / Each Government Joint Committee	Submission of proposed methodology	methods and estimated en reductions. Required for p registration.		
	Joint Committee	Approval of proposed methodology	JCM Home Page URL: <u>https://www.jcm.go.jp/</u>		
	Project Participant	Development of PDD*3	<contents> General information page Individual JCM partner </contents>		
	¹⁶ Third Party Entities	Validation	countries-Japan page <function> Information sharing to the </function>		
Can be conducted by the same TPE.	Joint Committee	Registration	public, e.g., • JC decision • JCM rules and guidelines		
Can be conducted simultaneously.	Project Participant	Monitoring	 methodologies and project issuance of JCM credits call for public inputs/ 		
	Third Party Entities	Verification	comment status of TPEs, etc. Internal information sharing the IC members, e.g.		
	int Committee decides the amount Each Government issues the credit	Issuance of credits	the JC members, e.g., • file sharing for electronic decisions by the JC		

*2 For the latest information on JCM rules and guidelines, including the PIN procedures adopted by each Partner Country government, please confirm each partner country page on the JCM home page.



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monitoring mission project

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MRV Process for the JCM

Measurement, Reporting and Verification of amount of GHG emission reductions for JCM Project



Representative Participant of JCM Projects shall conduct measurement, reporting and verification (MRV) of the GHG emission reductions realized after installation and commissioning of the facilities/equipment for the issuance of JCM credits.

Agenda





Project Map of JCM Financing Programme : as of February 2024



Total 240 projects / 28countries (• Model Project:226, \blacksquare ADB:7, • REDD+:2, \blacktriangle F-gas:4, UNIDO \forall :1)



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- Renewable Energy
- Effective Use of Energy
- Energy Efficiency
- Transport
- Waste Handling and Disposal

JCM Model Projects Selected in 2023

Partner Country	Representative Participant	Project Name	Sector	Estimated GHG Reduction (tCO2/year)
Mexico	BOT Lease Co., Ltd.	Introduction of 0.5MW Rooftop Solar Power System to Automotive Parts Factory (JCM Eco Lease Scheme)	Renewable Energy	392
Philippines	Global Engineering Co., Ltd.	Introduction of 6MW Power Generation System by Waste Heat Recovery for Cement Plant	Effective Use of Energy	21,244
Philippines	Kyuden International Corporation	27MW Solar Power Project in Dagohoy, Bohol Island	Renewable Energy	20,564
Philippines	Tokyo Century Corporation	Introduction of 1.2MW Rooftop Solar Power System to Electronic Equipment Assembly Factory (JCM Eco Lease Scheme)	Renewable Energy	697
Indonesia	AURA Green Energy Co.,Ltd	12MW Biomass Power Plant Project in Aceh Province, Sumatera	Renewable Energy	33,573
Indonesia	AGC Inc.	Improvement of Combustion Method and Furnace Shapes in Flat Glass Production Melting Furnace	Energy Efficiency Improvement	5,747
Indonesia	Alamport Inc.	Introduction of 3MW Rooftop Solar Power System to Paper Factory in Java Island	Renewable Energy	2,182
Chile	Farmland Co., Ltd.	26.3MW Solar Power and 48MWh Storage Battery Project Utilizing Farmland in the Metropolitan Area and O'Higgins Region	Renewable Energy	20,197
Chile	Sojitz Corporation	Introduction of 196MWh BESS in Huatacondo PV Plant in Tarapaca Region	Effective Use of Energy	17,975
Philippines	Kanematsu Corporation	11.3MW Mini Hydro Power Plant in Tumauini	Renewable Energy	29,342
Philippines	Kyuden International Corporation	10MW Solar Power Project in San Jose, Luzon Island	Renewable Energy	6,846
Philippines	Tokyo Century Corporation	7MW Solar Power Project in Collaboration with Power-supply Company	Renewable Energy	4,731
Sri Lanka	Shibata Corporation Co., Ltd.	13.5MW Solar Power Project in Kebithigollewa, North Central Province	Renewable Energy	6,511
	Please wa	ait tor the next sel	ection re	sulti



Projects by Sector





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Renewable Energy Projects







Energy Saving Projects



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Injection Modling Machine, 1



Chiller, 18

















13.5MW Solar Power Project in Kebithigollewa, North Central Province

Representative Participant (Japan): Shibata Corporation Co., Ltd.

Partner Participant (Sri Lanka):

Kebithigollewa Solar Power (Pvt) Ltd., Windforce PLC

Outline of GHG Mitigation Activity

A 13.5MW solar power system is installed in Kebithigollewa, North Central Province.

This project is to generate and sell electricity to Ceylon Electricity Board (CEB) and to replace a part of grid electricity derived from fossil fuels, thereby to reduce greenhouse gas (GHG) emissions.

The project will contribute to expand power generation capacity in Sri Lanka with using renewable energy and to reduce the greenhouse gases (GHG) emissions, which is in line with the Sri Lanka government's renewable energy policy.

The technology to be installed is an advanced solar power generation system which includes PV modules with 22.5% module efficiency, aiming to reduce GHG emissions in Sri Lanka. 20,413,487 kwh/year of electricity is expected to be generated.

Outline of the Solar Power Plant is shown in the figure right.



6,511 tCO₂ /year

- Reference CO₂ emissions
- Project CO₂ emissions = 0 [tCO₂/year])



Outline of Solar Power Plant

= (Reference CO_2 emissions) - (Project CO_2 emissions)

= (Quantity of the electricity generated by the project) [MWh/year] × Emission factor [tCO₂/MWh]

JCM Model Project (FY2021) Partner Country: Philippines

Tanawon 20MW Flash Geothermal Power Plant Project PP (Japan): Mizuho-Toshiba Leasing Company, Limited **PP (Philippines): Bac-Man Geothermal Inc.**

Outline of GHG Mitigation Activity

This project introduces a new 20 MW Flash Geothermal power plant system and new facilities for connection to the grid at Tanawon area of southern part of the Luzon island.

This Flash Geothermal power plant is small and easy to install, making it suitable for relatively small-scale geothermal power generation projects.

This project replaces the grid power produced by fossil fuel with renewable energy and reduces greenhouse gas (GHG) emissions.





Introduction of ORC Waste Heat Recovery Power Generation System to Flat Glass Factory PP (Japan): AGC Inc.

PP (Thailand): AGC Flat Glass (Thailand) Plc.

Outline of GHG Mitigation Activity

A 1.8MW class ORC* waste heat recovery power generation system is introduced to the flat glass manufacturing factory located in Samut Prakan province for self-consumption purposes. The system reduces greenhouse gas (GHG) emissions by substituting part of grid power consumption. This project contributes to the achievement of Thailand policy for energy saving and reduction of CO_2 emissions.

* ORC: Organic Rankine Cycle





6MW Mini Hydro Power Plant Project in West Pasaman, West Sumatra PP (Japan): NiX JAPAN Co., Ltd., Nix New Energy Co., Ltd. **PP (Indonesia): T&J Green Energy Company Limited**

Outline of GHG Mitigation Activity

On the Batang Tongar river in West Pasaman, West Sumatra, a run-of-river type mini hydro power plant (3MW x 2 units) is constructed, and the electricity is sold to PLN, a state-owned power company. The project reduces greenhouse gas (GHG) emissions by replacing the grid electricity. 38.73 GWh is expected to be sold annually.

The government's electric power development plan aims at a renewable energy ratio of 23% by 2025 and 31% by 2050. This project contributes to a promotion and expansion of renewable energy.







Image of inside view of the plant

Waste to Energy project in Bac Ninh Province PP (Japan): JFE Engineering Corporation PP (Vietnam): T&J Green Energy Company Limited

Outline of GHG Mitigation Activity

A waste-to-energy plant is introduced in Bac Ninh province. This plant incinerates and generates electricity from 230 tons/day of municipal solid waste, which has been disposed of as landfill. The plant also incinerates and generates electricity from 120 tons/day of municipal solid waste and 150 tons/day of industrial solid waste, which were previously incinerated. This scheme enables the proper waste treatment and the supply of electricity without the use of fossil fuels. It also reduces methane emissions from landfill sites and greenhouse gas (GHG) emissions by replacing grid electricity.



JCM Model Project (FY2022) Partner Country : Thailand

Introduction of Gas Co-generation System and 22MW Rooftop Solar Power System to Tire Factory **PP (Japan): The Kansai Electric Power Company, Incorporated** PP (Thailand): Kansai Energy Solutions (Thailand) Co., Ltd.

Outline of GHG Mitigation Activity

[Before] A Gas Co-generation System (6.6MW class \times Grid power 2 units) and a Rooftop Solar Power System (total of about 22 MW) are installed to the tire **PV Module** factory, and all the generated power and Grid power -> Electricity steam are supplied to replace those Inverter consumed in the factory. These high-efficient systems and renewable 미ㅁ energy sources realize energy saving, stable **Steam** Remote energy supply, and reduction in green house monitoring **Boiler** gas (GHG) emissions.





48MW Offshore Wind Power Generation Project in Duyen Hai District, Tra Vinh Province PP (Japan): Shizen Energy Inc.

PP (Vietnam): Duyen Hai Wind Power Company Limited

Outline of GHG Mitigation Activity

This project installs offshore wind power generation facilities with a capacity of 48 MW 100m to 2km offshore in Duyen Hai District, Tra Vinh Province.

The electricity is sold to the Vietnam Electricity to replace fossil fuel originated power in the grid to reduce greenhouse gas (GHG) emissions.

This project contributes to Vietnam's nationally determined contribution (NDC) for reducing GHG emissions by 9% compared to BAU.





<u>JCM Global Match</u> enhances the efficiency of your project development specializing in the JCM financing programme.







Partner Country Enterprises



After registration, you can...



Barbonic Contract of Contract



You can also obtain company lists by 2 ways.

*Menu bar



*Top page





To promote better, you can create

"My specialties" card after registration.







Your Company's Specialties





"Open Discussion" is also the place you can advertise your products and services freely.

companies you have interes

Open Discussion





G	EC	Search				Search	4 0
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JCM Global Match

https://gec.force.com/JCMGlobalMatch/







Consultation with GEC

Please let any enterprize who may plan a JCM Model project in your country know about this information.

Consult GEC anytime during the year (except for evaluation period.)

Please fill out the Consultation Form which URL is shown here <u>GEC_Consultation_Form_2023_en.docx</u>as much as possible and send it to <u>jcm-info@gec.jp</u> for free of charge consultation online or **offline.** Your email title should be "Consultation on application for JCM Model" Project (Your company name)."

GEC will support you by answering to your questions and offer practical advices on points like below:

>Sample points of consultation

- ✓ Definition of Eligible Project and advanced technologies
- ✓ International Consortium
- ✓ MRV methodologies to calculate reduction in GHG emission
- \checkmark Legal durable years, maximum percentage of financial support, and cost effectiveness
- ✓ Plan to obtain necessary financing, concession, licenses, etc.
- ✓ Reasons financial soppurts are needed, Profitability

Consultation Form (part)

Global Environment Centre Foundation (GEC) Consultation Form for JCM Project and Co-innovation Project [FY2022]

Please fill out the white space as much as possible.

aterial - Guidelines for Submitting Proposals (Tentative translation) for JCM Project* https://gec.jp/jcm/jp/kobo/r04/mp/(tentative)2022_Guidelines_for_Submitting_Proposals.pdf

	Information of Consultation							
select for which project	□ JCM Model Project⇔							
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	□ Undecided							
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Application target≓	\Box FY2022 \Box FY2023 \Box TBD \leftrightarrow							
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Partner country₽	4							
	*The country where the project will be implemented.							
Name of representative	Name of representative $participant(s)^{*1}$: \leftarrow							
oarticipant⇔	Website: 🚽							
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participant∈	Partner participant*2 is a subsidiary of a Japanese company: Click to select⇔							
	Website: 🗸							
	*I: Please include an entity that owns and uses the facility introduced by the							

Agenda



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Representative Participants by type of Industry

	Wholesale Distributors, Trading Companies	ITOCHU Corporation / Inabata Co., Ltd. / Kanematsu Corporation / Toyota Tsusho Cor Paper Company Limited / Farmdo Co., Ltd. (FARMLAND Co., Ltd.) / Marubeni Corp
	Retail	AEON MALL Co., Ltd. / AEON RETAIL Co., Ltd. / FAST RETAILING CO., LTD. / Family
	Foods	Acecook Co., Ltd. / Kirin Holdings Company, Ltd. / Sapporo International Inc. / Suntory Corporation /Dole Japan, Inc.
	Chemicals, Rubber	Otsuka Pharmaceutical Factory, Inc. / KYOWA HAKKO BIO CO. LTD. / Showa Denko DIC Corporation / Bando Chemical Industries, Ltd. / FUMAKILLA LIMITED / Mitsubishi
	Textiles, Glass, Ceramics	AGC Inc. / TOTO Ltd. / Toray Industries, Inc. / Nisshinbo Textile Inc.,
	Nonferrous Metals	YKK Corporation
	Electric Machinery, Precision Instruments	ENDO Lighting Corporation / Sharp Energy Solutions Corporation / Sony Semiconduct LTD. / WWB Corporation / TSB Co., Ltd. / Hitachi-Johnson Controls Air Conditioning, I MinebeaMitsumi Inc. / YAZAKI PARTS CO., LTD. / RICOH COMPANY, LTD.
	Industrial Machinery	Ebara Refrigeration Equipment & Systems Co., Ltd. / Kanematsu KGK Corp. / Mayeka Ltd.
	Automobiles & Auto parts	DENSO CORPORATION / Toyota Motor Corporation
	Transportation, Warehousing	Tokyu Corporation / Nippon Express Co., LTD. / RYOBI HOLDINGS Co., Ltd.
	Engineering & Construction	JFE Engineering Corporation / Sumitomo Forestry Co., Ltd. / Toyo Energy Farm Co., L ENGINEERING CO., LTD. / Nihon Crant Co. Ltd. / Next Energy & Resources Co., Ltd.
	Power, Gas, Water, Energy Supply	AURA-Green Energy Co., Ltd. / eREX Co.,Ltd. / Idemitsu Kosan Co., Ltd. / Osaka Gas Incorporated / Saisan Co.,Ltd. / SHIZUOKA GAS CO., LTD. / Shizen Energy Inc. / WW Eurus Energy Holdings Corporation / Yokohama Water Co., Ltd. / Liberal Solution Co.,
	Finance	Tokyo Century Corporation / Mizuho-Toshiba Leasing Company Ltd. / Sumitomo Mitsu Finance and Leasing Company, Limited, BOT Lease Co., Ltd.
	Services and Others	Asian Gateway Corporation / Alamport Inc. / AAIC Japan Co., Ltd. / NTT DATA INSTIT FACILITIES, INC. / Oriental Consultants Co., Ltd. / Kayama Kogyo Co., Ltd. / EMATEC Global Engineering Co., Ltd. / NiX Co., Ltd. / SUURI-KEIKAKU Co., Ltd. / Chodai Co., Consultants Co., Ltd. / Finetech Co., Ltd. / Waseda Environmental Institute Co., Ltd.
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orporation / Toyotsu Machinary Corporation / Japan Pulp and rporation / MITSUI & CO., LTD. / YUASA TRADING CO., LTD

nilyMart Co., Ltd. / Lawson, Inc.

ry Spirits Ltd. / CPF JAPAN CO., LTD. / Fuji Foods

to Materials Co., Ltd. / Sumitomo Rubber Industries, Ltd. / hi Chemical Corporation

ctor Manufacturing Corporation / DAIICHI JITSUGYO CO., Inc. / Voith Fuji Hydro K.K. / HOYA CORPORATION /

kawa Manufacturing Co., Ltd. / Mitsubishi Heavy Industries,

Ltd. / JGC CORPORATION / NIPPON STEEL & SUMIKIN d. / Fujita Corporation / Yuko Keiso Co., Ltd.

as Co., Ltd. / The Kansai Electric Power Company, WS-JAPAN Co. / Hokusan Co., Ltd. / METAWATER Co., Ltd. / o., Ltd., Kyuden International CO.

sui Trust Panasonic Finance Co., Ltd. / Sumitomo Mitsui

ITUTE OF MANAGEMENT CONSULTING, Inc. / NTT EC:Environmental Management and Technology Center / ., Ltd. / TEPIA Corporation Japan Co.,Ltd. / Pacific

Infrastructure through JCM

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Thank you for your attention! ご清聴ありがとうございました。

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