

Chubu Electric Power Group Medium-term Management Plan

April 28, 2022 Chubu Electric Power Co., Inc.



Chubu Electric Power Group Medium-term Management Plan

Item		Page		Item	Page
Introduction		3	IV	Initiatives in Each Business Area for Realizing the Management Vision 2.0	19
Management Vision 2.0 (Formulated in November 2021)		4		Group Initiatives for Realizing the Management Vision 2.0	20
Ι	Review of the Previous Management Target Period		11	Initiatives for Restarting the Hamaoka Power Plant	21
	FY2019~FY2021		Initiatives to Expand Renewable Energy		22
	Financial Related	6		Electrification and Decarbonization with Customers (1/2)	23
	Transition to a business model and start of strategic investments	7		Electrification and Decarbonization with Customers (2/2)	24
	Promotion of ESG Management	8		The Group's Renewable Energy Power Supply Development	25
Π	New Medium-term Management Targets FY2022 ~ FY2025	9		Initiatives (since FY2018)	25
	Recovery of Profit Level and Setting New Targets	10		Status of the Group's Offshore Wind Power Development Projects	26
	Medium-term Management Targets and Financial Indicators Serving			Energy Platform Construction: Regional Microgrids	
	as Rough Targets			Technical Support for Customer's Substation Equipment	28
<u> </u>	Approach to Investment and Capital Policy	12		Services Focused on Getting Close to Customers	29
ш	Toward the Attainment of Medium-term Management Target	13		Through Chubu Electric Power Miraiz Connect	
	Profit Recovery in Infrastructure Areas (STEP1) (1/2)	14		Expansion and Promotion of Global Business	30
	Profit Recovery in Infrastructure Areas (STEP 1) (2/2)	15		Resource Recycling and Other Regional Infrastructure Business	31
	Acquisition and Expansion of New Revenue Sources (STEP 2)	16		Community Creation Driven by the Chubu Electric Power Group	32
	Transition to Management that Emphasizes Efficiency by Introducing ROIC	17		Sustainable Enhancement of Corporate Value and Decarbonization Initiatives (JERA)	33
	Breakdown in Each Business Area of Management Targets	18		Building an Ammonia and Hydrogen Fuel Supply Chain	34
			v	Fulfillment of CSR and Enhancement of Management Base	35
				Chubu Electric Power Group Material Issues	36
				Environmental Initiatives	37
				Technology Development and Intellectual Property	38
				DX strategy	39
				Human Resource Planning	40
				Compliance, Safety and Health, and Coexistence with Local Communities	41

Introduction



Chubu Electric Power Group has supported the development of its customers and society by providing high-quality energy in a safer, more affordable and more stable manner in keeping with its corporate philosophy of "Chubu Electric Power Group delivers the energy that is indispensable to people's lives and so contributes to the development of society."

In recent years, **the social structure and lifestyles have been dramatically reshaped** by the advance of DX (digital transformation) and the spread of COVID-19. Particularly noteworthy, **the environment surrounding the energy business has reached an historic turning point** as evidenced by such developments as **the revision of Japan's Strategic Energy Plan with the aim of achieving carbon neutrality in 2050**. Viewing these drastic changes in the business environment as new business opportunities, in November 2021 we formulated **Chubu Electric Power Group Management Vision 2.0** to boldly tackle new challenges in anticipation of our envisioned society in 2050.

Presently, there are concerns about stable energy supplies due to such factor as emerging geopolitical risks related to the situation in Ukraine and the issuance of power crunch alerts in eastern Japan. Despite such difficult circumstances, **Chubu Electric Power Group is working in unison and is able to provide stable supplies of energy**.

On the other hand, in terms of income and expenditures, Chubu Electric Power **fell significantly short of its medium-term management target of consolidated ordinary income of 170 billion yen that it set in 2019.** This shortfall reflected an increase in power procurement costs at Chubu Electric Power Miraiz and power supply and demand adjustment costs at Chubu Electric Power Grid due to factors that include soaring fuel prices that affected wholesale electricity market prices.

Even as recent fuel price levels persist, **Chubu Electric Power will first of all rapidly achieve a recovery to previous profit levels** by taking appropriate measures such as optimizing our power procurement portfolio. On this basis, we have set **a new medium-term management target for FY2025** as the midpoint up to Management Vision 2.0. Specifically, Chubu Electric Power **aims for consolidated ordinary income of 180 billion yen or more in FY2025** and will place greater emphasis on capital efficiency when executing strategic investments with the goal of attaining **ROIC of 3.0% or more.**

In working to realize Management Vision 2.0, Chubu Electric Power **will take on the challenge of achieving decarbonization together with our customers and society** and will accelerate **the provision of a "new form of community"** by participating in community development, and participating in business for the resource efficiency and circular economy. Through these initiatives, **we will contribute to the realization of a safe, secure, resilient and viable society.**

Always keeping in mind that the trust of customers and society serves as the foundation of its business operations, Chubu Electric Power will continue to ensure thorough compliance and completely fulfil its CSR in the future through the cumulative activities of each and every employee to achieve sustainable growth together with our customers and society.



April 2022 President and Director Chubu Electric Power Co., Inc.

Hayashi King

Management Vision 2.0 (Formulated in November 2021)



This Chubu Electric Power Group Management Vision 2.0 specifically expresses the initiatives of each Group company, starting with solving local and social issues, aimed at achieving sustainable growth together with all stakeholders.

Chubu Electric Power Group Management Vison 2.0

Accelerate Initiatives of the Chubu Electric Power Group with a View Toward 2050



Chubu Electric Power Group Management Vision 2.0

Accelerate Initiatives of the Chubu Electric Power Group with a View Toward 2050

Chubu Electric Power Co. Inc

Click here for details.



I Review of the Previous Management Target Period FY2019~FY2021

I Review of the Previous Management Target Period FY2019~FY2021

Financial Related



- Although business results trended favorably in FY2019 and FY2020, Chubu Electric Power fell significantly short of its management target in FY2021 due to an increase in power procurement costs accompanying a steep rise in fuel costs as well as to the insufficient recovery of power supply and demand adjustment costs.
- Meanwhile, we are assuring our financial soundness by maintaining our shareholders' equity ratio at a certain level while appropriately allocating funds such as by accelerating strategic investments and providing stable dividends.



I Review of the Previous Management Target Period FY2019~FY2021



Transition to a business model and start of strategic investments

Transition to a business model that splits off the power generation and sales businesses

- Chubu Electric Power Group regards the drastic changes in the business environment, such as the advance of institutional reforms beginning with the legal separation of the power transmission and distribution businesses and the rising need for decarbonization, as major opportunities for growth and has transitioned to a business model that splits off the power generation and sales businesses.
- We aim to grow into a stronger corporate group by directly approaching different markets in each business and autonomously promoting businesses.



Start of Strategic Investments for Growth

• To ensure sustainable growth into the future, from FY 2019 we have been making strategic investments for business growth and development upon **appropriately executing risk management**.



Principal investments to date

- March 2020: Acquired all shares of Eneco through joint investment with Mitsubishi Corporation (Chubu Electric Power with a 20% share)
- As a platform for Chubu Electric Power's European strategy, we will strive to mutually expand business and improve profitability while creating synergies with our domestic businesses.
- Aug. 2018: Formed capital and business alliance (made into an affiliated company accounted for by the equity-method)
 April 2021: Acquired additional shares and made it into a consolidated subsidiary.
- We will pursue a "new form of community" by combining the knowledge of ES-CON JAPAN and Chubu Electric Power Group.

I Review of the Previous Management Target Period FY2019~FY2021 Promotion of ESG Management

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Announcement of Zero Emissions Challenge 2050

We established the following goals under Zero Emissions Challenge
 2050 to contribute to the realization of a decarbonized society.

Toward 2030



E

- We will reduce CO2 emissions from electricity sold to customers by 50% or more compared with FY2013.
- We aim for 100% electrification*1 of company *2 -owned and operated vehicles
- *1 Excludes special vehicles such as emergency and construction -use vehicles not suitable for electrification
- *2 Chubu Electric Power, Chubu Electric Power Grid, Chubu Electric Power Miraiz

Toward 2050

 We will take on the challenge of attaining net zero CO₂ emissions for our entire business to contribute to the realization of a carbon-free society.

Strengthen corporate governance



- The Chubu Electric Power Group established the Chubu Electric Power Group Anti-Bribery and Anti-Corruption Policy based on the Chubu Electric Power Group Basic Compliance Policy.
- Establishment of **Chubu Electric Power Group Tax Policy** that prescribes the Group's approach to tax affairs to ensure the transparency of taxes
- Raised the proportion of external directors to more than one-third of all Board members to improve the transparency and fairness of the Board of Directors (2019)

Promotion of new workstyles and diversification of human resources



Chubu Electric Group began workstyle reforms along with efforts to prevent the spread of novel coronavirus (COVID-19) infections. We are **implementing new workstyles** to realize both Diverse Human Resources Playing Active Roles and Higher Efficiency and Quality of Work.

Revision of the working system

 In April 2021, we reviewed the working system to enable employees to lead prosperous, satisfactory lives and increase their productivity.

Abolishment of core time Start and finish times can be chosen flexibly.

Intermittent work is available Employees are able to leave work for fixed periods of time, for reasons such as childcare, caregiving.

Work from home, come to the office, or go on business trips Make effective use of time such as by combining morning telecommuting and afternoon business trips

Utilization of ICT



A variety of sensors are used to collect information for the visualization of conditions and changes.



Promoting the utilization of women

 Previous goal : Number of women in managerial positions Achieved a "more than doubling the number of female managers in FY2020, compared to FY2014."



Image: New Medium-term Management Targets FY2022 ~ FY2025

I New Medium-term Management Targets

Recovery of Profit Level and Setting New Targets

After quickly achieving a recovery in our profit level to approximately 150 billion yen, we aim for consolidated ordinary income of 180 billion yen and ROIC of 3.0% or more in FY2025 as our medium-term management targets.



Electric Power

I New Medium-term Management Targets Medium-term Management Targets and Financial Indicators Serving as Rough Targets



	*Excluding the time-lag impact	FY2021	$\rangle \rangle \rangle \rangle \rangle$	$\rangle \rangle$	FY	2025	•	Rough targets for	profit by sector
Growth potentia	Consolidated ordinary incomot	67 billion yen	Recovery of profit level Approx. 150 billion yen	Management targets		Miraiz	¥20~30 billion		
				llion yen	/en 180 billion yen or more			Power Grid	¥20~30 billion
							JERA*	¥70~80 billion	
	Cash Flows from Operating Activities	661.5 billion yen (cumulative from FY2019 to FY2021)	Approx. 900 billion yen (cumulative from FY 2022 to FY 2025)			Others (Renewable energy power and global business, and group companies, etc.)	¥50~60 billion		
	Strategic 240 billion yen	Approx. 450 billion yen			Total	¥180 billion			
	amount	(cumulative from FY2019 to FY2021)	(cumulative from FY 2022 to FY 2025)				*Equity in income (losses) amortization of goodwill	in affiliates, including	
Efficiency	ROIC * 1.9%		Management targets			BD of target investment sectors (cumulative from FY2022 to FY2025)			
				5.0 % of more		Global	Approx. ¥250 billion		
	ROE *	4.1%		Approx. 7.0%		Renewable energy	Approx. ¥100 billion		
Stab	Shareholders'	27 706	Maintain 30% or more		0% or m	04 or more		New community forms, resource recycling, etc.	Approx. ¥100 billion
ility	equity ratio	52.770				Total	Approx. ¥450 billion		
···Rough targets Management Targets									

Introduce ROIC With our **strategic investment** for sustainable growth **in an expansion phase**, we must place even **greater importance on the perspective of efficiency** and therefore we have **set ROIC** as one of our targets and will **undertake management with an awareness of capital efficiency**.

Approach to Investment and Capital Policy

- Using cash flows from operating activities(CFFO) as a source of funds, we will continuously make investments needed for safe and stable supplies of electricity as well as strategic investments for the growth and development of our businesses while also implementing our shareholder return policy in accordance with profit growth.
- Despite our current harsh revenue/expense situation, we will firmly adhere to our shareholder return policy and aim for a consolidated dividend payout ratio of 30% or more.



Financial soundness FY2022~FY2025 is our phase for expanding investment and we will maintain a consolidated **shareholders' equity ratio of 30% or more and strive to ensure financial soundness** even though there will be some years when free cash flow is negative.

Electric Powe



Toward the Attainment of Medium-term Management Target



Toward the Attainment of Medium-term Management Target

- **Optimization of the Energy** Value Chain and Appropriate • **Risk Management**
- JERA Global Markets Pte. Ltd. undertakes optimized trading in the LNG/coal markets as well as in respective transport markets leveraging its asset-backed trading (ABT) model that combines third-party trading based on large-scale commercial distribution and assets consisting of fuel supplies for JERA and EDF, of France.
 - JERA evaluates, manages, and monitors the amount of integrated risk, including market risk associated with trading businesses, as its integrated risk management. JERA will continue working to earn profits under appropriate risk management against market fluctuations.

Electric Powe

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Toward the Attainment of Medium-term Management Target



Profit Recovery in Infrastructure Areas (STEP 1) (2/2)

Thorough Cost Reductions by Promoting Group-wide Kaizen (Improvement) Activities

- We will establish a dedicated organization to promote "Kaizen (improvement) activities" and promote the streamlining and standardization of all operations from on-site work to desk work.
- We will hold Kaizen (improvement) study conferences that receive guidance from outside experts and Kaizen (improvement) contests that commend best practices as we strive to firmly establish and expand Kaizen (improvement) activities and work to attain thorough cost reductions.

Examples of initiatives for improving efficiency

Shortening the shutdown time for hydropower plants

 Contribute to an increase in the amount of power generated by working to shorten the power generation shutdown period for inspections and construction involving the shutdown of generators.



OPerform work that can be done even during operation outside the shutdown period

Subdivide processes and simultaneously undertake multiple operationsOptimize the process to reduce work loss

Enhance efficiency of uninterruptible power supply replacement work

We reduced work time to one-third by reviewing the work process for power supply replacement work for power supply control stations that have deteriorated over time (29 days \rightarrow 10 days).



Toward the Attainment of Medium-term Management Target Acquisition and Expansion of New Revenue Sources (STEP 2) Electric Power We aim to achieve a 30 billion yen increase in profits in FY2025 (compared with FY2021) through contributions to profits from "strategic investment areas" and "areas for acquiring growth potential through stock holdings" in addition to a recovery of profits in our present infrastructure areas. Strategic investment areas We will "provide new value to customers and society" and "create profits" by proactively investing in growth fields. <Specific initiatives> Expand European strategy through **Eneco** Accelerate development of renewable energy power sources Contribution 中部電力ミライズ ✓ Provide services that are even closer to customers' lives through コネクト Eneco amount **Chubu Electric Power Miraiz Connect** +30 billion yen Areas for acquiring growth potential through stock holdings **C** MOBILITY BITEXCO FY2021 PÓWER GROUP While assuring flexibility through autonomous business operations of JERA Strategic investment and ES-CON JAPAN, we will work to increase areas profits through appropriate management of the entire group. ES CON JAPAN FY 2021 Areas for acquiring growth potential through Jera profit level stock holdings FY 2021 **FY** 2025

III Toward the Attainment of Medium-term Management Target

Transition to Management that Emphasizes Efficiency by Introducing ROIC





Generate returns (ROIC) that exceed the cost of capital (WACC)

III Toward the Attainment of Medium-term Management Target

Breakdown in Each Business Area of Management Targets

- We will establish KGI/KPIs that are matched to the characteristics of each business area and implement PDCA while maintaining an awareness that the sum total of initiatives and efforts of each and every employee in all departments will contribute to the achievement of management targets.
- (Example)
- Initiatives at each workplace contribute to achieving Company-wide management targets



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Initiatives in Each Business Area for Realizing the Management Vision 2.0

Group Initiatives for Realizing the Management Vision 2.0 🖊

In order to achieve the consolidated ordinary income target of 250 billion yen set out in our Management Vision 2.0, we will expand our business areas and advance business model reforms at an early stage.



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Initiatives for Restarting the Hamaoka Power Plant

- We believe that nuclear power generation—which does not emit CO₂ at the time of power generation—will play a major role in simultaneously achieving both decarbonization and stable energy supply.
- Hamaoka Nuclear Power Station has undergone an inspection by the Nuclear Regulatory Commission to confirm compliance with new
 regulatory standards, and is currently making steady progress toward confirmation for standard seismic motion and standard
 tsunamis. We will respond diligently to enable confirmation of compliance at the earliest possible stage.
- Based on the essential prerequisite of ensuring safety, we will communicate with local residents to secure their understanding and work toward restarting the Hamaoka Nuclear Power Plant.

Initiatives to Improve Safety

- We have always carried out construction to improve earthquake resistance by constantly reflecting the latest knowledge.
- Based on our firm determination to never again cause accidents such as the Fukushima Daiichi Nuclear Power Plant again, we will voluntarily advance measures against tsunamis and other serious accidents, and work on additional measures based on the new regulatory standards.



Aiming for a Safer and Trustworthy Hamaoka Power Plant

Strengthen governance	• Establish a framework for management to identify internal and external opinions and evaluations on risks and make appropriate management decisions	
Strengthen risk management	 Strengthen on-site response capabilities to make equipment function effectively in an emergency Strengthen cooperation with national and local government, and other electric power companies in case of emergency Make improvements based on third-party reviews, etc. 	
Strengthen risk communication	• Communicate details of initiatives to improve safety to local people, and hold meetings to hear questions and concerns and exchange opinions	Conduct coordinated training in cooperation with the Omaezaki Coast Guard Office, the Omaezaki City Fire Department, Kikugawa Police Station, and Omaezaki City





IV Initiatives in Each Business Area for Realizing the Management Vision 2.0 Renewable

Electrification and Decarbonization with Customers (2/2)

Miraiz Green Denki

energy

We are working to make more effective use of local renewable energy and achieve more widespread use of renewable energy, with CO₂-free menus (locally generated by prefecture) designated by five Chubu area prefectures and a CO₂ free menu (standard) without local generation designation. These menus are provided under the general name "Miraiz Green Denki."

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Greenでんき

*This is an example for

Aichi prefecture.

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Utilizing CO₂-free

electricity produced in the prefecture

Stimulating development of renewable energy, etc.



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Renewable energy

IV Initiatives in Each Business Area for Realizing the Management Vision 2.0 The Group's Renewable Energy Power Supply

Development Initiatives (since FY2018)



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Renewable energy Status of t

Status of the Group's Offshore Wind Power Development Projects



The Consortium^{*1}, in which the **Chubu Electric Power Group** participates, is the **first in Japan to be** selected as a power plant operator with three fixed-base type offshore wind farm locations^{*2} in general waters.

The Group will work together with partners to consider development and commercialization, and obtain development and O&M knowledge / insights.

• We will reflect the knowledge acquired in the study of commercialization in new sea areas, ensure profitability, and aim to expand offshore wind power supplies.

*1 Joint venture represented by Mitsubishi Corporation Energy Solutions, Ltd.*2 Waters off the coast of Noshiro City, Mitane Town and Oga City, Akita Prefecture; waters off the coast of Yurihonjo City (North and South), Akita Prefecture; and waters off the coast of Choshi City, Chiba Prefecture.



Development of floating offshore wind power technologies

Adopted as a NEDO Green Innovation Fund Project entitled "Project to Reduce The Cost of Offshore Wind Power Generation"



Period: April 2022 through March 2025 (planned)

IV Initiatives in Each Business Area for Realizing the Management Vision 2.0

Energy Platform Construction: Regional Microgrids



 As one of our new energy platforms to solve regional issues such as improving resilience in times of disaster and regional use of renewable energy, we will build and support microgrids tailored to the characteristics of various regions and new communities.

Improving resilience in times of disaster with regional microgrids

 In the event of a power outage due to an earthquake or typhoon, we will be able to restore power to each region at an early stage by operating our regional grids independently; by separating the network and utilizing local renewable energy sources and storage batteries, etc.



Regional microgrid construction project in lida City

• In areas affected by major disasters in the past, we will provide independent power supplies to key facilities during times of disaster, and conduct demonstrative tests to improve sustainability and continuity of business by making effective use of energy storage facilities during normal times.



Name of facility	Specifications, etc.			
Mega Solar lida	1,000 kW			
High / low voltage PV	120kW in total area			
Energy storage system	1,000 kW, 4,000 kWh			
EMS	Data acquisition and forecasting Resource control (cloud construction)			
Measuring equipment	For high-voltage transmission lines			

Mega Solar lida



Network



New Services

IV Initiatives in Each Business Area for Realizing the Management Vision 2.0 Services Focused on Getting Close to Customers Through Chubu Electric Power Miraiz Connect



Life services that nurture family ties and connections



Chubu Electric Power Miraiz Connect will remain by your side and continue to provide a connecting and expanding world that will give you the power to move forward into the future.



In this era there are no correct answers. We want to respond to the desires of customers with new lifestyle ideas.

Chubu Electric Power Miraiz Connect was born out of that wish.

Looking ahead, we will continue to expand "Life services" as we take a new step forward.

Service Partnership ₩ Household Services we deliver Shopping **Business** We are recruiting a wide Insurance range of local community consultation members and partners who • Cancer insurance for the Part-time job matching Costco shopping services can empathize with our Life design future Personnel come right when corporate philosophy and Provides a new shopping Solving all of your money the world view we aim for. Procedures can be completed you need them worries using a smartphone experience "Shareful" part-time job seeking app Partnership agreement with Apply at any time Okazaki City to utilize a parking Consult with our life Connect WELBOX Making cancer insurance more lot sharing service designer partners about familiar and easier to Benefits service for (February 22, 2022) future money matters, free understand employees enabling use of With just a smartphone, this of charge Fire insurance for leased money-saving rewards service brings affluence to properties our lives through the Parking sharing ライフデザインサービス Easy monthly online payment LIFE DESIGN delivery of unique Costco Rent out empty parking ライのために. spaces using a products that can be used Fire insurance for rental smartphone every day on the dining housing + compensation for 5月に関する連携協定締結 Japan's largest parking lot table, or as an exciting treat bicvcle accidents for the whole sharing site Toku-P on a special day familv

Global

IV Initiatives in Each Business Area for Realizing the Management Vision 2.0

Expansion and Promotion of Global Business

- In April 2022, we **created the Global Business Division** with the aim of further strengthening and expanding our global business development.
- Under this new structure, we will combine the four segments—Green Field, Blue Field, Retail / T&D / New Services, and New Technology Field—to form an optimal portfolio and drive projects such as decarbonization business and community services.

Promotion of four business areas



Steady implementation of existing consulting





Mozambique

Future area strategies and investment in BPC



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Contribution to the SDGs

Resource Recycling

Resource Recycling and Other Regional Infrastructure Business

- As a multi-utility company that supports society and local communities, we **established a specialized organizational unit** in April of this year, and will be **working together with various partners** to develop regional infrastructure businesses that will lead to **strengthening regional infrastructure—such as resource circulation, water supply and sewerage, and regional transportation**.
- In the resource recycling business, which is one of these businesses, we utilize the extensive experience and knowledge of Ichikawa Kankyo Holdings (in which
 we invested in in December last year) to provide solutions that meet the needs and challenges of utilizing unused resources in the region, and contribute to
 decarbonization and building a recycling-oriented society.

Initiatives in resource recycling business

Expansion of regional

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Community Creation

IV Initiatives in Each Business Area for Realizing the Management Vision 2.0

Community Creation Driven by the Chubu Electric Power Group



Participation in the Post-20th Asian Games Athletes' Village Utilization Project

- Chubu Electric Power has formed a consortium with Chuden Real Estate, ES CON JAPAN, and other members to **engage in community creation at the site of the athlete's village for the 20th Asian Games** (after the games are held).
- Based on the unique concept of a Wellness Association, we aim to create a next-generation community where diverse people can connect and help each other to solve various issues facing society, and foster happiness together.

Conceptual image



Real estate developments by ES-CON JAPAN and Chuden Real Estate

ES CON JAPAN and Chuden Real Estate will engage in joint real estate developments such as condominium developments and commercial facilities developments.



ES CON FIELD Hokkaido

- We have acquired naming rights for the new baseball stadium of the Hokkaido Nippon Ham Fighters, and will engage in various real estate development projects in Hokkaido Ball Park F Village; a largescale development area that surrounds the stadium.
- At **Kitahiroshima Station**, which is an important access hub for the stadium, we will **work together with the city to improve and develop the area around the station**.



JERA

IV Initiatives in Each Business Area for Realizing the Management Vision 2.0

Sustainable Enhancement of Corporate Value and **Decarbonization Initiatives**



Business targets (Net income of around 200 billion ven by FY2025)

- By steadily implementing the business plan formulated in April 2019, we achieved consolidated net income for fiscal 2019-2021 of around 100 billion ven, and are working to achieve the target of at least 200 billion yen in FY2025.
- > High-efficiency replacement of domestic power generation and deepening of cost reductions
- Steady acquisition of projects and PF recombination in overseas power generation business
- > Expansion of **fuel trading business**

Initiatives for decarbonization

> Increasing profitability across the value chain by participating in upstream **businesses**



JBLS

- By promoting **renewable energy** and **zero emission thermal power** that does not emit CO₂ at the time of power generation by introducing green fuels, we will attempt to achieve zero emissions—with zero CO₂ emissions emitted from domestic and overseas businesses—by 2050.
- In particular, we will drive development and support that matches the characteristics of various countries and regions, primarily in Asia, and contribute to both decarbonization and stable supply of energy that supports economic development.

Investment in Aboitiz Power (Philippines)

- In December 2021, we acquired shares in Aboitiz Power Corporation, a leading power company in the Republic of the Philippines.
- We will further enhance our JERA presence in the energy field of the Republic of the Philippines and help to accelerate the country's decarbonization.



Makban geothermal power plant

Investment in Summit Power (Bangladesh)

- We have also invested in Summit Power International Limited, Bangladesh's largest power producer.
- Through the dispatch of employees to this company, we will efficiently construct and operate power generation facilities, striving to improve corporate value and contributing to the sustainable economic development of Bangladesh.

^{*}The carrying over of fuel cost adjustments is excluded.



IV Initiatives in Each Business Area for Realizing the Management Vision 2.0

Building an Ammonia and Hydrogen Fuel Supply Chain

In addition to its achievement in the electric power business, contact points with customers, and energy solutions know-how developed so far, the Group will drive the creation of a hydrogen and ammonia supply chain to help create a decarbonized society, based on advantages such as JERA's insights from having been engaged in demonstrative testing ahead of time.





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V Fulfillment of CSR and Enhancement of Management Base

V Fulfillment of CSR and Enhancement of Management Base

Chubu Electric Power Group Material Issues



	Material Issues	Key indicators and targets	Year of achievement	SDG contributions
Contributing to the realization of a carbon-free society	 Decarbonization together with customers and society Increasing the safety of nuclear power and promote its use Promote renewable energy Development and social implementation of new technologies including decarbonization technologies Building next-generation networks for a decarbonized society 	 Reduce CO2 emissions by half, approx. 32.5 million tons, compared to FY2013 100% electrification of company-owned vehicles Expand renewable energy by at least 3.2 GW (8 TWh) Restart Hamaoka Nuclear Power Station 	 FY2030 FY2030 Around 2030 As early as possible 	7 #364-8444 12 268.8 13 #4900% 13 #4900% 14 15 15 #05
Solving social issues Utilization of diverse human resources, safety and health	 Contributing to local communities(Creation of new communities, realization of a recycling-oriented society, and implementation of environmental management) Pursuing customer satisfaction Business transformation and new value creation utilizing digital transformation (DX) Investment in human capital(Securing and developing diverse human resources, safety and health) Development of global business to increase corporate value 	 Increase recycling rate of waste, etc., by 95% or more Increase the number of female manager positions by at least 3 times (309 people) compared to FY2014 Increase the percentage of male employees taking childcare leave by 30% or more Drive DX and numbers of key persons to over 600 	 FY2022 FY2025 FY2025 Late 2020s 	3 racourt market 1 raceure 1
Compliance Governance	 Ensure compliance (including anti-corruption and respect for human rights) Enhance governance and risk management, including group companies Enhance resilience and large-scale disaster response capabilities 	 Operation and establishment of a new compliance promotion system Compliance Committee established directly under the Board of Directors Ensuring cyber security Zero business impact from cyberattacks Forming partnership agreements with local governments for times of disaster Enhancing response capabilities through joint training with local governments and related organizations 	 FY2022 FY2025 FY2022 FY2022 	7 1364-96440 10 7 10 7402 10 7402 10 7402

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Environment

Fulfillment of CSR and Enhancement of Management Base

Environmental Initiatives



CO₂ emissions and emission intensity of electric power sold to customers

CO₂ emission intensity 0.377kg-CO₂/kWh (FY2020 results: -0.047 kg compared to the previous year)



Total GHG emissions across the supply chain

We calculate greenhouse gas emissions throughout the supply chain based on the Basic Guidelines on Accounting for Greenhouse Gas Emissions throughout the Supply Chain (Ministry of the Environment and Ministry of Economy, Trade and Industry).

Total greenhouse gas emissions of the entire business (supply chain) [10,000 t-CO₂]



Maximizing use of Hamaoka Nuclear Power Plant

Based on the prerequisite of ensuring safety, we will maximize utilization of nuclear power, which does not emit CO_2 at the time of power generation.



CO2 reduction benefits

In the case of restarting reactors 3, 4 and 5 Approx. 8–9 million t-CO₂ / year

Review procurement of inefficient coal-fired thermal power sources

Taking into account the S+3E perspective, we will reduce the ratio of inefficient coal-fired power thermal generation (supercritical or less) in power source procurement.

CO₂ reduction benefits

When other power sources are substituted for inefficient coal-fired power generation Approx. 4-5 million t-CO₂/year



Electrification of company-owned vehicles owned by Chubu Electric Power*

After considering vehicle performance and charging infrastructure status, we will gradually introduce electric vehicles (EVs).



Toyota C+pod (vehicle introduced in FY2021)

Cumulative number of units introduced at the end of fiscal 2021 Approx. **280** units

Reference: EV / electrification target

Approx. 3,200 / 4,000 vehicles

Does not include 800 vehicles that are difficult to replace with EVs from the viewpoint of ensuring stable supply of electric power and resilience, such as special vehicles and emergency vehicles

*Includes Chubu Electric Power, Chubu Electric Power Grid and Chubu Electric Power Miraiz.

Technology Development and Intellectual Property

- CHUBU Electric Power
- In addition to solving O&M issues of electrical facilities, we will also engage in technology research and development in strategic fields necessary to achieve our Management Vision 2.0.
- We will work on **social implementation** of innovative technologies by **combining** the **engineering and industrial perspectives** that the Group has cultivated with the **academic and societal needs perspectives** of universities and research institutions.

Identify strategic fields in technology R&D



Hosting of Techno Fair

We hold techno fairs to enable visitors to view a wide range of technology R&D initiatives.



Social implementation initiatives

We will continue to strengthen our coordination function with a view to the social implementation of innovative technologies.

Enhancing industry-academia-government collaboration

 We will take a bird's-eye view of social issues, engage in initiatives to co-create at each stage from discovery of technology seeds to product commercialization and industrialization (coordination function), and achieve social implementation of innovative technologies.



Signing of a comprehensive partnership agreement for achieving large-scale implementation of hydrogen technologies in the Chubu region

Intellectual property activities

We will **create intellectual properties** through technological R&D and business activities, and **create property rights quickly** and **reliably**.



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DX strategy

the Group

- We have worked actively to increase the sophistication of our business by utilizing digital technologies for the power grid, and will continue to actualize the growth and active participation of individual human resources by increasing the level of our operations with new digital technologies such as data strategy.
- Utilizing the resources secured as a result, we aim to accelerate the transformation of customer services that we have been working for until now, and to deliver new added value and customer experiences (energy data services and further value created by a combination of these).

Transforming customer services Vision of the Group * Transforming business models with customers as the starting point Creating a variety of services to improve customer experience and resolve social issues * A corporate group with advanced ICT infrastructure at Japanese companies, leading the digitalization of the energy industry * Pursuing increased sombistication of business with digital technologies and achieving an enhanced

• Pursuing increased sophistication of business with digital technologies, and achieving an enhanced life-work balance

Sophisticated informatization of power grids

reforms

Substation remote monitoring and control systems Power supply control station systems Power grid stabilization systems Distribution automation systems Introduction of smart meters, etc.

Improving operational efficiency and sophistication by utilizing digital technologies

- Introduction of electronic approval, ending the use of stamps / seals, and encouraging remote work

- Democratizing information and improving internal collaboration

- Transformation of business processes based on data strategy, etc.

Customer support solutions, developing the KatEne business, etc.

Evolution of energy platforms

Building data platforms

むすぶ。ひらく。

Delivering more value created by digital transformation

2016 (full deregulation of electric power)

1951 -

Human Resource Planning

- In April 2022, we established the Human Resource Strategy Office to actively invest in human resources, who are the essence of our corporate value.
- Specifically, we will enhance our strategies for diversification, sophistication, and appropriate allocation of human resources to create work environments and systems in which every human resource can play an active role.



CHUBU

Electric Power

Fulfillment of CSR and Enhancement of Management Base Compliance, Safety and Health, and Coexistence with Local Communities



Ensuring compliance management

in April 2022, the Compliance Promotion Committee began to directly report to the Board of Directors, aiming to further improve the Group's compliance.



Activities to coexist with local communities

Industry-academia collaboration activities

We are actively engaging in industry-academia collaboration in order to contribute to the sustainable development of the region by solving regional and social issues in the Chubu region, which is our business foundation.

Aichi University of

Aichi Institute of

Keio Universitv

University of Shizuoka

Education

Technology



Major universities with which we have concluded comprehensive agreements

- Mie University
- Meijo University
- Gifu University Shinshu University

Education of the next generation (holding on-demand classes)

 We visit elementary and junior high schools to give ondemand classes, teaching children about the mechanisms used to generate power and the importance of energy and environmental preservation.

- Major universities cooperating in research/we lecture at Nagova University
 - Shizuoka University
 - Chubu University Tovohashi University of Technology

Shizuoka Sanovo

University

- Hamamatsu University School of
 - Medicine
- Fuiita Health University
 - Mie University

Lecture during a school visit



Fostering a culture of safety, promoting health and productivity

Fostering a safety culture and promoting health and productivity management

Under the Chubu Electric Power Group Basic Safety and Health Policy, we are developing an environment in which executives, employees, and partners who work together with us can live safe and

healthy daily lives, both in public and in private. Through activities working toward this, we are fostering a corporate culture that values people.



Diversity promotion goals (FY2025)

- Toward FY2025, we will endeavor to promote diversity with the following goals.
- **1** Number of female management positions: More than tripled in An online training session

comparison with FY2014

2 Percentage of male employees taking childcare leave: At least 30%



Promoting employment of challenged people (people with disabilities)

- As of June 2021, approximately 350 challenged people are active in various fields, including those at Chuden Wing—a special subsidiary.
- We are also launching business operations in new fields, such as our café business launched in 2020.



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