Fiscal 2018 Initiatives to Address Management Challenges

—Toward Achievement of Our Management Vision—

March 2018



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In the Chubu Electric Power Group Management Vision, which was released in March 2018, the Chubu Electric Power Group laid out its firm intention to carry out further innovative changes and their direction, in order meet the trust and high expectations of our customers and society and to continue to be chosen by them into the future.

With the aim of achieving the future vision expressed in the Management Vision, we compiled specific initiatives that can be taken immediately as "Initiatives to Address Management Challenges."

The environment surrounding the energy business is changing greatly, including intensifying competition stemming from the full liberalization of the electricity and gas retailing markets, changes in the supply demand structure associated with the introduction and expansion of renewable energy, and the growing importance of ESG* management. *ESG: environmental, social, governance

Even in the midst of such changes, we will continue to fulfil our mission of delivering a stable supply of energy safely at an affordable price, and we will contribute to the development of society, including the Chubu region, by creating innovative services and achieving dramatic improvements in efficiency utilizing technologies such as IoT and AI, and by providing services that have value for customers.

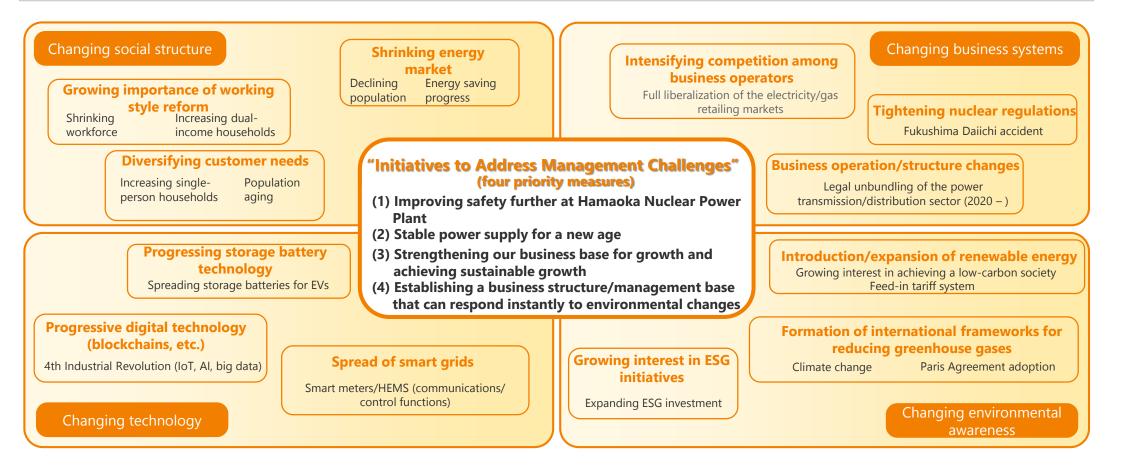
We will strive to fulfil our unwavering mission. At the same time, we will move forward steadily toward becoming a total energy service corporate group that is one step ahead and that provides services that exceed the expectations of customers ahead of our competitors by continuously taking on the challenge of creating new value in view of the changes of the times.



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President & Director Chubu Electric Power Co., Inc. 勝

- The business environment surrounding the Chubu Electric Power Group is changing increasingly sharply, including shrinking of the energy market and intensifying competition among business operators.
- On the other hand, the diversification of customer needs and technological innovations such as IoT and AI are unprecedented chances to provide diverse services.
- In order to fulfil the Group's mission of providing a stable supply of energy and to contribute to the development of society by providing new value in the midst of such change, we will carry out the four priority measures shown below.



CHUBU Electric Power



1 Improving safety further at Hamaoka Nuclear Power Plant 2 Stable power supply for a new age As the supply demand structure changes greatly, including the ir and expansion of renewable energy, we will carry out initiatives a stable power supply for a new age, including upgrading output

taking responsibility for improving nuclear power safety, we will continue making efforts to strengthen governance, risk management, and risk communication.

- Safety improvement measures (prevent accidents and prepare for their occurrence)
- ✓ Aiming for a safer, more reliable power plant

As the supply demand structure changes greatly, including the introduction and expansion of renewable energy, we will carry out initiatives aimed at stable power supply for a new age, including upgrading output prediction/control utilizing new technology and increasing the available capacity of transmission lines.

 ✓ Upgrade electrical power network ✓ Connect & manage

✓ Reuse storage batteries for EVs

3 Strengthening our business base for growth and achieving sustainable growth

[Strengthen business base for growth]

We will work at strengthening our business base for growth by working at further improving management efficiency and by opening up and commercializing new fields in addition to expanding business and providing services through collaboration with other business operators.

- ✓ Improve management efficiency to strengthen business base
- ✓ Integrate existing thermal power generation business with JERA
- ✓ Provide energy services that continue to be chosen by customers

[Achieve sustainable growth]

We will achieve sustainable growth as the Chubu Electric Power Group, including JERA, by developing new growth fields into primary sources of revenue.

- ✓ Accelerate growth after completion of value chain in JERA
- Establish new growth fields (provide new forms of community)

4 Establishing a business structure/management base that can respond instantly to environmental changes

We will actively utilize external resources toward sustainable growth. We will work at ESG management, including carrying out environmental management and further enhancing communication with local communities as well as corporate governance. Regarding business continuity initiatives (large-scale earthquake measures), we plan to complete principal equipment measures by the end of fiscal 2020.

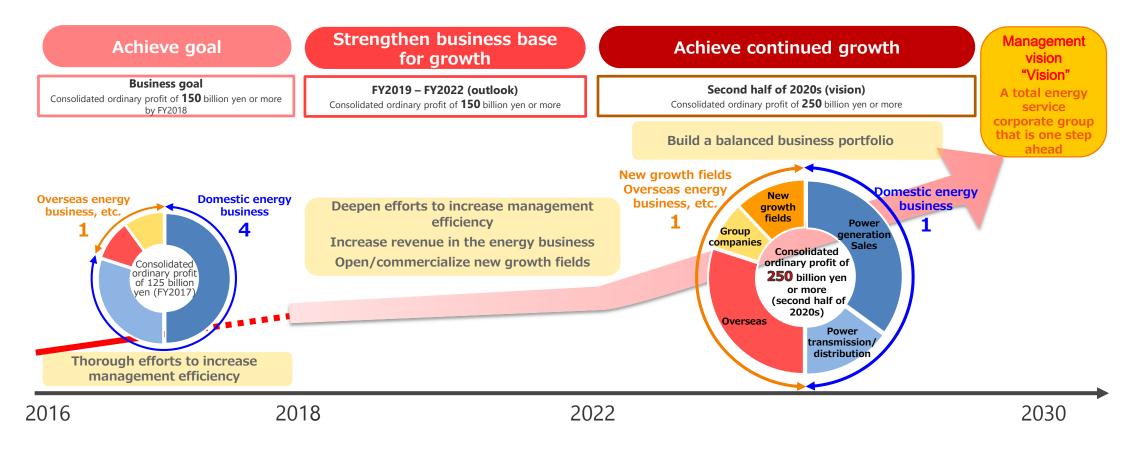
Strengthen business base and establish structure to create new businesses/services

Carry out ESG management

Business continuity initiatives (large-scale earthquake measures)



- The Chubu Electric Power Group is carrying out initiatives to increase operational efficiency with the aim of achieving our current business goal.
- Even in a severe operating climate, we will make efforts to strengthen our business base for growth, including deepening efforts to improve efficiency, as well as opening up and commercializing new fields that hold the promise of future growth.
- We will also achieve continued growth for the Chubu Electric Power Group by developing new businesses into primary sources of revenue.





Four Priority Measures

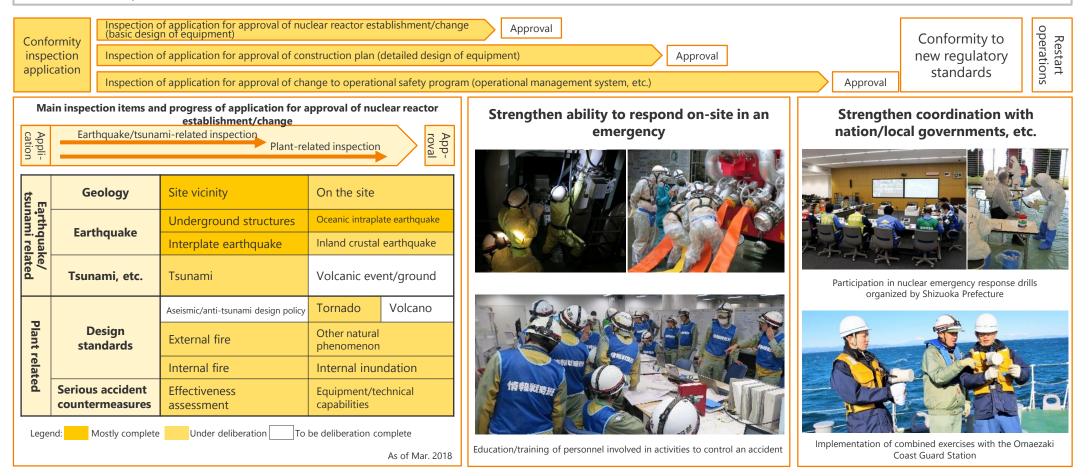
- 1. Improving safety further at Hamaoka Nuclear Power Plant
- 2. Stable power supply for a new age
- 3. Strengthening our business base for growth and achieving sustainable growth
- 4. Establishing a business structure/management base that can respond instantly to environmental changes

I-1 Improving Safety Further at Hamaoka Nuclear Power Plant

Safety improvement measures for Hamaoka Nuclear Power Plant (prevent accidents and prepare for their occurrence)



- Under a strong determination to "not allow another accident like that at the Fukushima Daiichi Nuclear Power Plant," the Hamaoka Nuclear Power Plant has strengthened its equipment measures to improve safety and is going through an inspection of conformity with new regulatory standards by the Nuclear Regulation Authority.
- Furthermore, we have strengthened our ability to respond on-site to ensure equipment functions effectively in an emergency and our coordination with national and local governments, etc., in case of an accident or problem.
- We will strive to improve safety further and provide careful explanations, aiming to be a power plant that earns more trust from the public.



Aiming for a power plant that is safer and more trusted

- In order for the business operator itself to squarely reconsider the safety of nuclear power and make efforts to continuously improve safety in the wake of the Fukushima Daiichi accident, the top management at Chubu Electric Power are taking responsibility for improving nuclear power safety and strengthening governance, risk management, and risk communication.
- We will push ahead with responses to the new inspection system that stresses independent safety using risk information, which will be introduced in fiscal 2020.

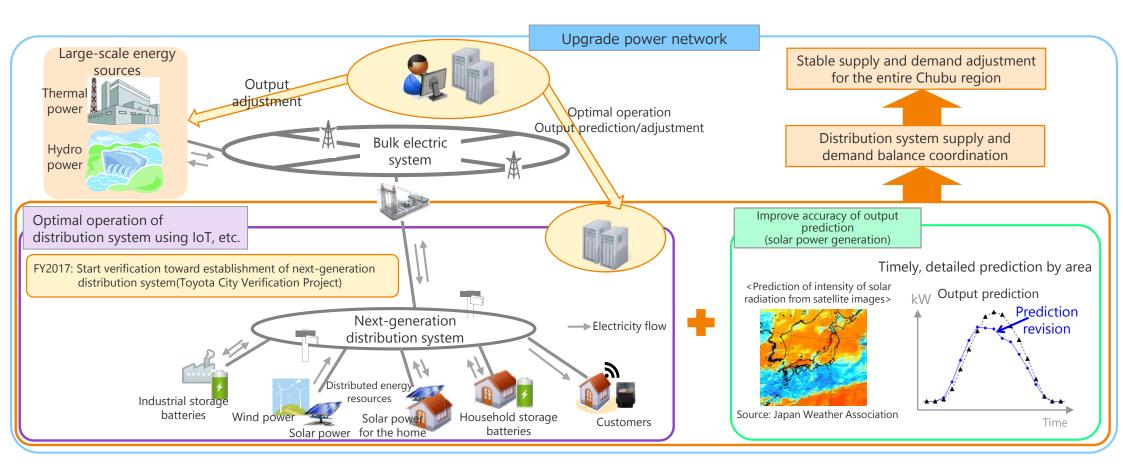




I-2 Stable Power Supply for a New Age

Responding to the introduction/expansion of renewable energy (upgrading the power network)

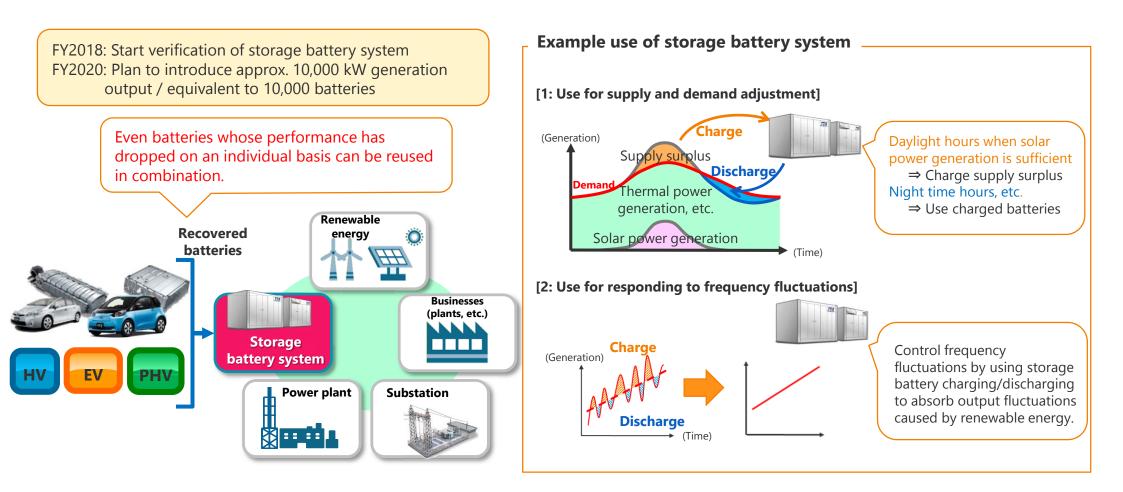
- In response to output fluctuations in renewable energy (distributed energy resources), we will improve the accuracy of output prediction and conduct optimal operation of distribution system using IoT, etc.
- On top of that, we will combine large-scale energy sources from the bulk electric system in an effort to provide a stable supply of power to the entire Chubu region.



I-2 Stable Power Supply for a New Age

Responding to the introduction/expansion of renewable energy (reuse storage batteries for EVs)

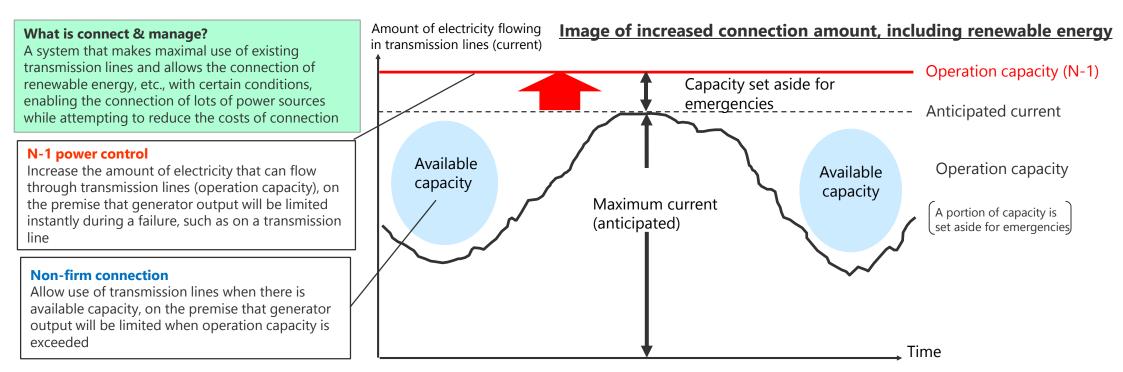
- **CHUBU** Electric Powe
- In cooperation with Toyota Motor Corporation, we will start new verification aimed at establishing a high-capacity storage battery system that reuses storage batteries for EVs, in order to use it in various distribution system issues caused by the introduction/expansion of renewable energy.

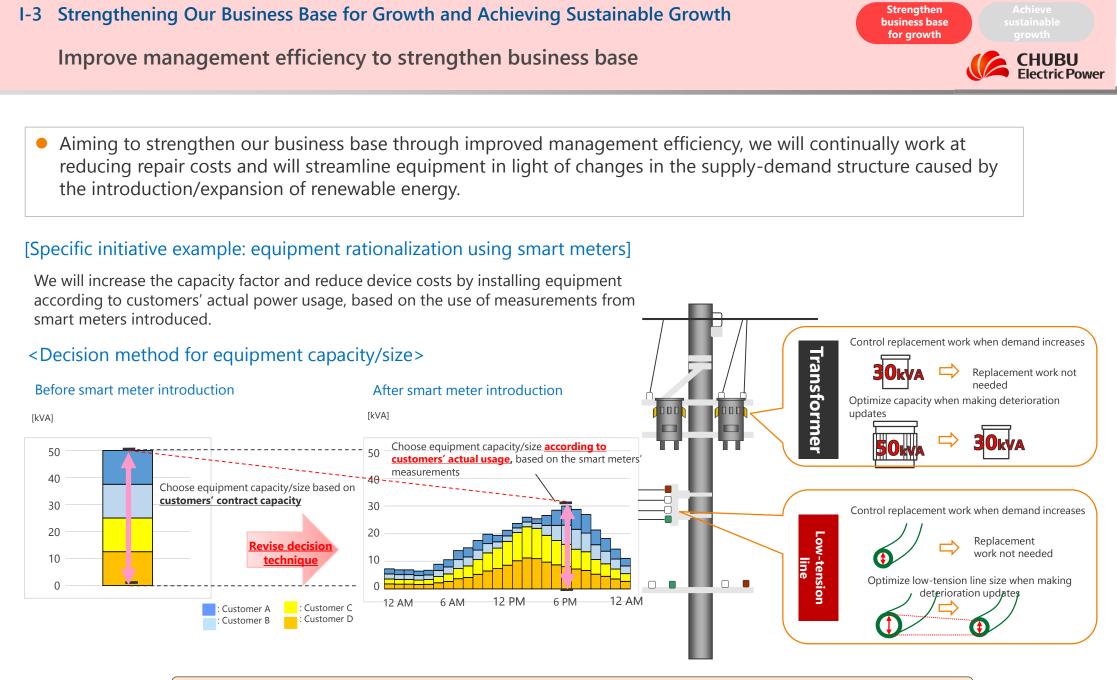


I-2 Stable Power Supply for a New Age Responding to the introduction/expansion of renewable energy (connect & manage)



- Chubu Electric Power has begun an initiative (N-1 power control) to use capacity that is set aside for an emergency in case of failure, based on the anticipated flow of electricity in check with power generator operation (anticipated current), so that more sources of power, including renewable energy, can be connected to transmission lines.
- In the future, we will look at an initiative (non-firm connection) to use transmission lines when there is available capacity, as even more effective utilization.





For detailed information on our plan for improving efficiency and our results in fiscal 2017, see **"Initiatives to Improve Management Efficiency and Management Review"** (http://www.chuden.co.jp/corporate/company/bus_plan/gaikyo/) to be released in April 2018.

[Integration schedule]

Step1		Step2			Step3	
Apr. 30, 2015	Oct. 1, 2015	Jul. 1, 2016	Mar. 28, 2017	7 Jun. 8, 2017	Feb. 27, 2018	Apr. 1, 2019
JERA established	Fuel/transportatio n, trading business integration	Fuel	Basic agreement regarding existing thermal pov integration signed	Joint Venture Agreement signed	Agreement regarding scope of target assets and detailed schedule concerning existing thermal power integration	Business integration

- We will complete a whole value chain from upstream investments and fuel procurement through power generation to power and gas wholesale sales by integrating our existing thermal power generation business, etc., with JERA in April 2019.
- We will aim to become a global energy corporate group by producing synergistic effects with the already integrated fuel/overseas power generation business and energy infrastructure business and by accelerating growth in each business field.

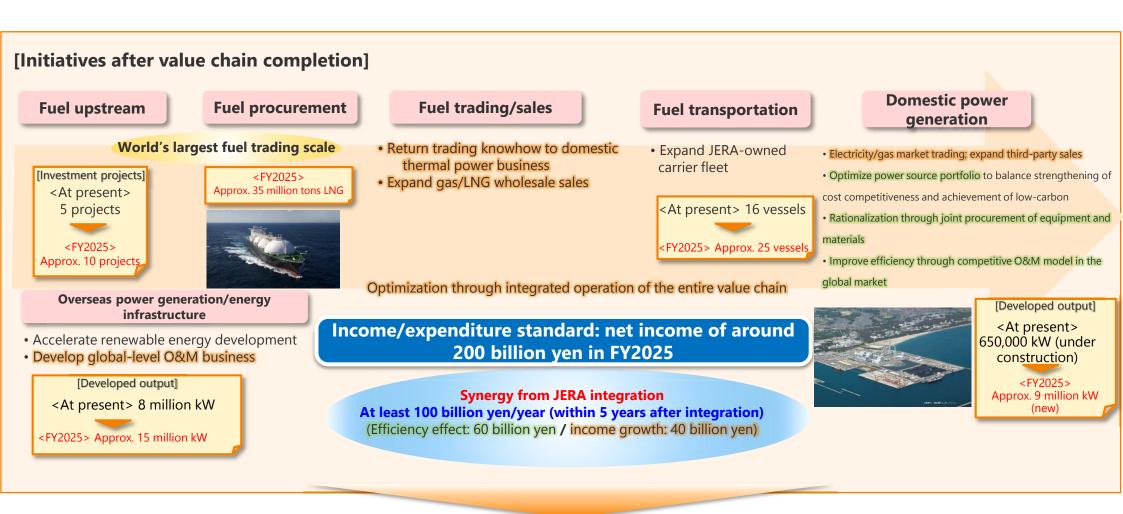
I-3 Strengthening Our Business Base for Growth and Achieving Sustainable Growth



Accelerate growth after completion of value chain in JERA

Achieve sustainable growth____





Stably deliver energy that is internationally competitive / Increase the corporate value of the Chubu Electric Power Group

I-3 Strengthening Our Business Base for Growth and Achieving Sustainable Growth

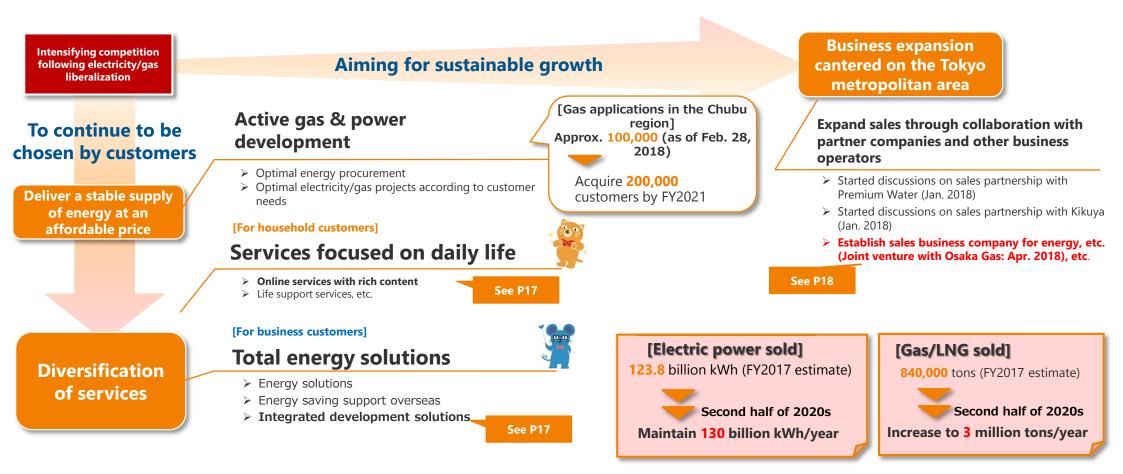
Strengthen pusiness base for growth

Achieve sustainable growth



Provide energy services that continue to be chosen by customers

- In order to continue to be chosen by customers in a liberalized retailing market, we will deliver new services that meet customers needs using IoT, etc., not just stable, affordable energy.
- Also, aiming for sustainable growth, we will work at business expansion centered on the Tokyo metropolitan area.

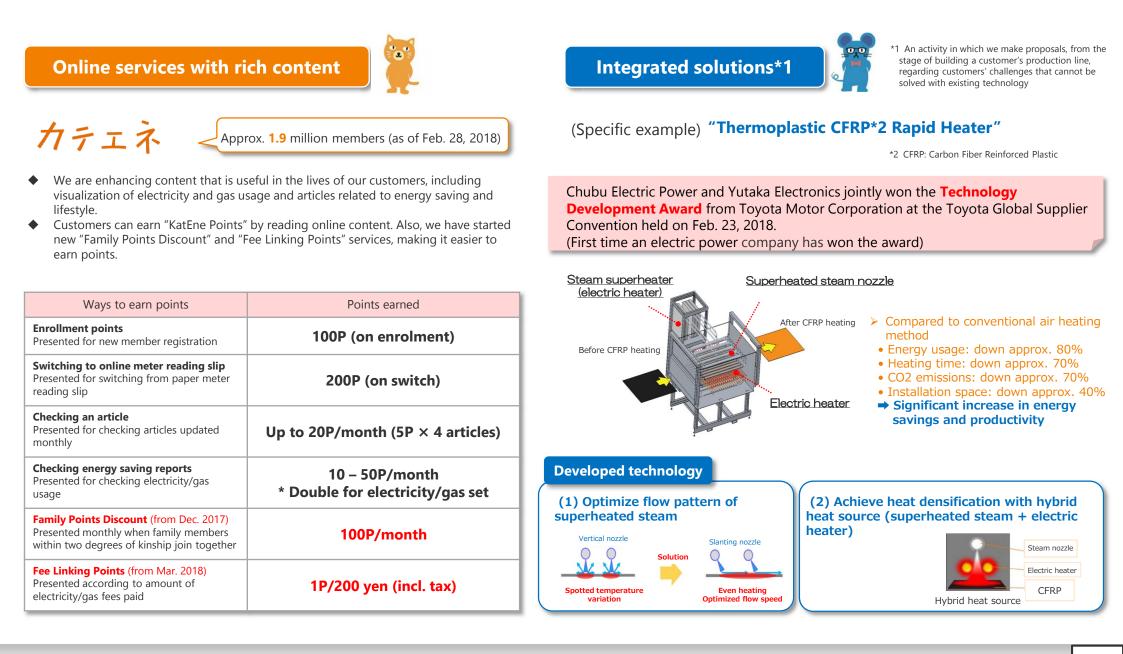


Provide energy services that continue to be chosen by customers (service diversification)

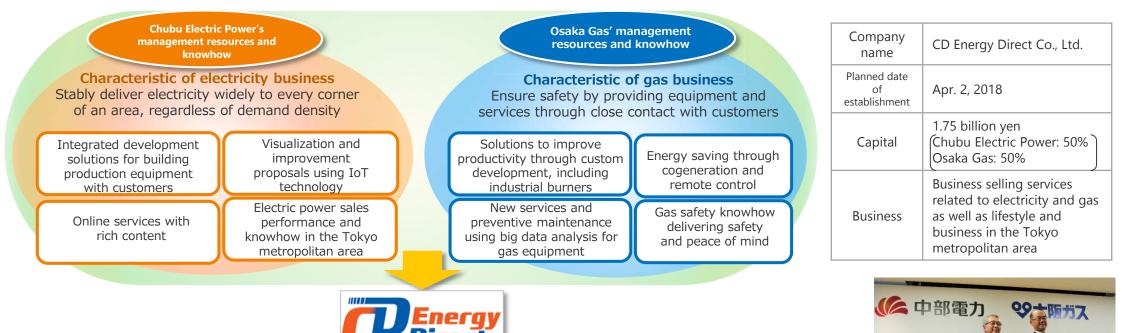


Strengthen





- We will jointly establish a new company with Osaka Gas to conduct sales of services related to electric power/gas, lifestyle, and business.
- By combining management resources and business knowhow cultivated by both companies in the electricity and gas businesses and making the most of them in the Tokyo metropolitan area, we will contribute to society by maximizing the value provided to household and corporate customers.



[Household customers] Provide confortable and convenient living through optimal use of electricity and gas

[Corporate customers] Provide business solutions with excellent economic and environmental performance by leveraging electrification technology and combustion technology

Furthermore, we will create "new value" useful in living and business through services using IoT technology with the aim of establishing a new business model and providing services that go beyond the framework of the energy business operator.

<Establishment press conference>

Strengthen business base

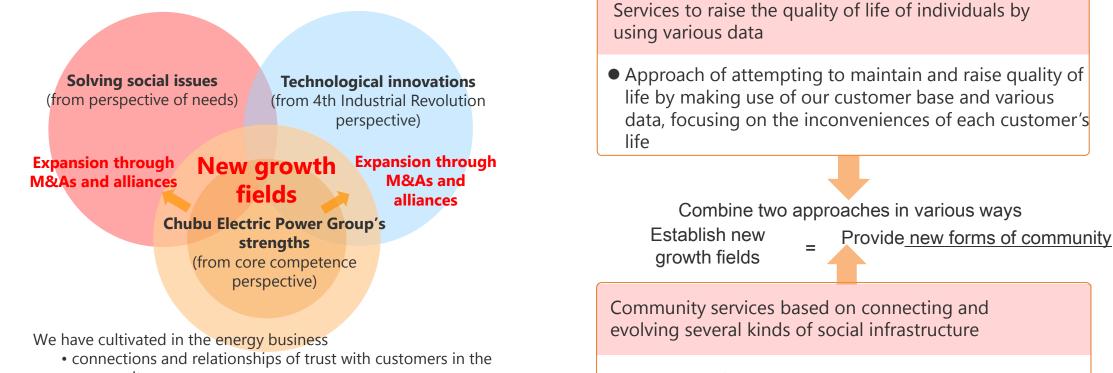
for growth

CHUBU Electric Power Establish new growth fields (provide new forms of community)





 The Chubu Electric Power Group has contributed to regional development through the energy business. In order to help resolve social issues faced by communities, we will establish growth fields by working at providing "new forms of community."

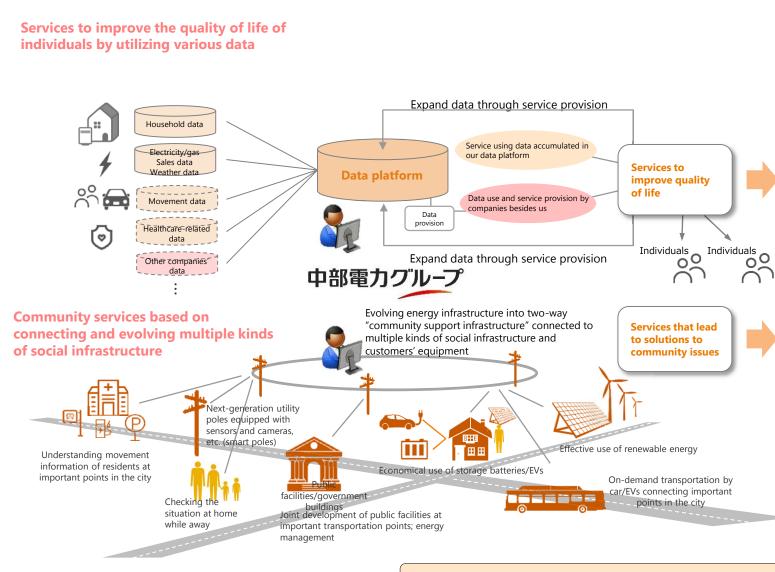


- community,knowledge of building and operating electricity infrastructure
- energy saving and CO2 reduction proposals based on optimal use of energy that leverage our technical capabilities, proposal capabilities, and relationships of trust with customers
- Approach of making customers' lives convenient and comfortable by evolving energy infrastructure into community support infrastructure that can meet social issues, working on community units of a certain scope

sustainable growth CHUBU Electric Power

Achieve

Establish new growth fields (provide new forms of community)



Provide various "new forms of community"

- For new community development in urban areas: Development of safe communities where children and senior citizens can live with a sense of security
- For provincial cities with declining populations: Revitalization of the local economy through local production for local consumption of renewable energy
- Economical and low-carbon local transportation using movement data and renewable energy Development of attractive communities through establishment of community support infrastructure
- For local communities such as schools: Watching over children as they go to and from school through coordination of movement data Broadcasting of safe transit routes in real time and guiding of children
- For households attempting to balance work and parenting:
- Care of and watching over children through utilization of household data and remote control of household devices
- For families living far away

Sharing of electricity between families living far away Watching over the health of parents living in far removed communities by coordinating household data and medical data

• For far removed individuals

Easy trading of surplus solar power-generated electricity between individuals by matching the needs of far removed individuals

For detailed information,

see the "Chubu Electric Power Group Management Vision" (link) released in March 2018.

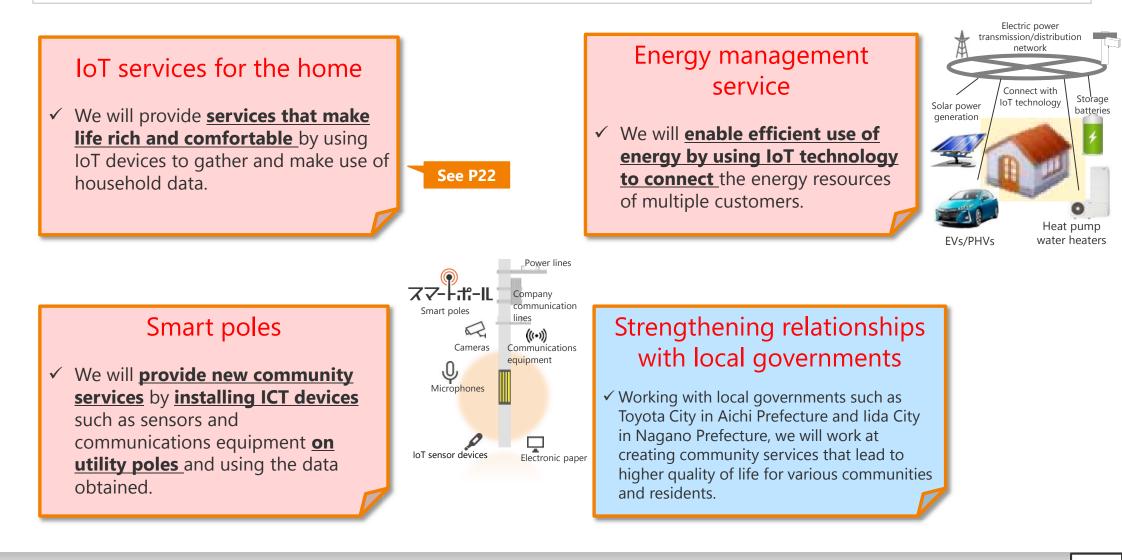
I-3 Strengthening Our Business Base for Growth and Achieving Sustainable Growth

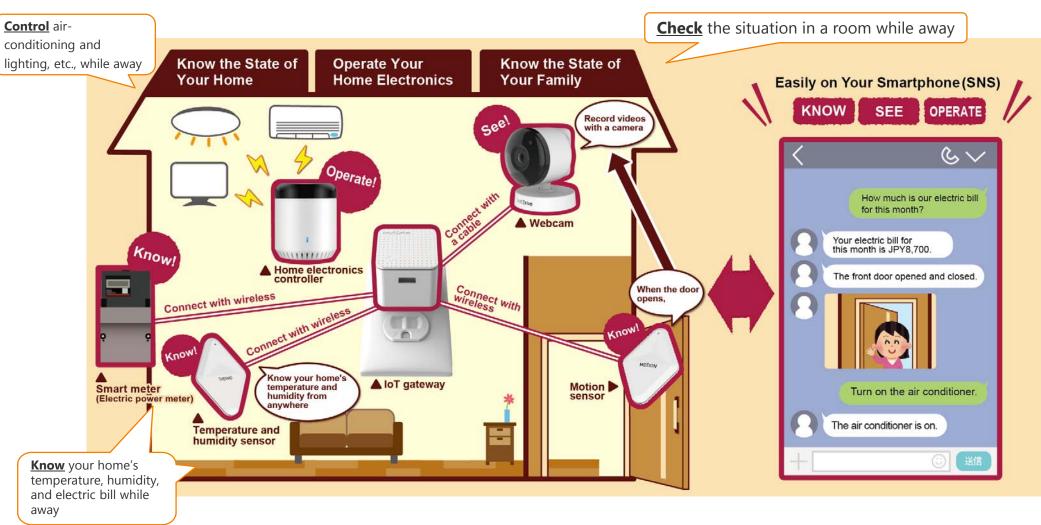
Achieve sustainable growth



Establish new growth fields (specific initiatives to provide new forms of community)

 Aiming to provide "new forms of community," we are developing services that use cutting edge technology such as AI and IoT, including IoT services for the home and energy management services, and strengthening our relationships with local governments.





In April 2018, we will establish a new company with Internet Initiative Japan and begin, in September 2018, to provide services that use IoT devices and smartphones to allow customers to check on their families and homes and to control home electronics while away.

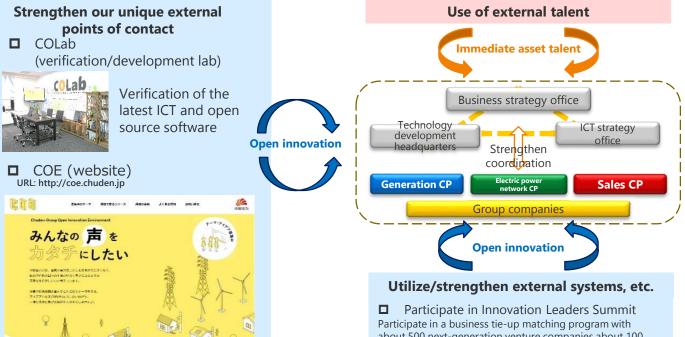
Establish new growth fields (IoT services for the home)



Achieve

sustainable

- I-4 Establishing a Business Structure/Management Base that can Respond Instantly to Environmental Changes Establish a structure for strengthening our business base and creating new businesses and services
 - We will establish a structure that promotes open innovation and will strengthen our business base and achieve new business/service creation by making active use of outside talent.



[Business Factory 2017]

Soliciting new business ideas and business plans using resources and knowhow such as equipment and information held by the power transmission/distribution sector





major companies Participate in Mirai Creation Fund Through the Mirai Creation Fund (a venture investment fund that invests in companies and projects at in and outside Japan that have innovative technology such as AI), explore the possibility of cooperation with venture companies that have promising technology

(Idea currently being investigated)

Movement management, search, and discovery service for people and things using San-Flower

The San-Flower System* is a ground-breaking and innovative system that enables search and discovery using proprietary IoT technology that can lead searchers to within about 50 cm of a target by dynamically managing the location of a person or thing.

Using this system, we hope to contribute to the safety and security of the Chubu region, including watching over children and searching for people with dementia who have gone missing by wandering about, which is becoming a societal problem.

* Provided by Kato-Denki (Handa City, Aichi)

Electric Power

I-4 Establishing a Business Structure/Management Base that can Respond Instantly to Environmental Changes

Carrying out ESG management



 We carry out business activities with awareness of ESG (environment, society, and governance), in order to fulfil our corporate social responsibility (CSR), increase our medium- to long-term corporate value, and contribute to the sustainable development of society.

(Environment)

In line with the Chubu Electric Power Group Basic Environmental Policy, we establish action plans as specific goals and practice environmental management.



- Develop, introduce, and expand renewable energy
- Actively develop power sources
- Increase connection volume to transmission lines
- □ Increase thermal efficiency of thermal power generation
- World-class high efficiency power generators
- Optimize power plant operation using IoT
- **Use nuclear power generation**

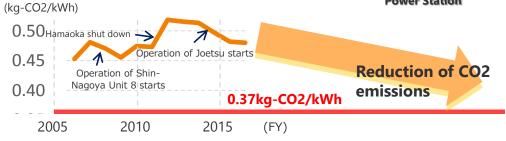
[Image of our reduction of CO2 emission intensity]



Mega Solar Shimizu



Nishi-Nagoya Thermal Power Station



Help customers/communities reduce CO2



Carrying out ESG management



(Social)

So that employees will work with vitality, we will promote work-life balance, based on the idea that life (physical and mental health and a fulfilling life) is the foundation. Also, we will contribute to sustainable development of communities by valuing communication with members of the community.

(Governance)

Aiming for sustainable growth, we will strive to further enhance our corporate governance, taking fairness and transparency as the core of management. In April 2018, we will establish a Risk Management Meeting and make a structure for integrated management of risks that would have a material effect on the company's management.

For employees

Work style reform (increase productivity)

Expand flextime system company-wide (from April 2018)Introduce telework (from April 2018)

Promote diversity

Provide continual training to double, at least, the number of women in managerial positions compared to FY2014 (FY2020)

Health management

□ Complete medical check-ups for all employees (from April 2019)

For the community

Communication with community members

Cooperation with universities (Mie University, etc.)
 Women monitors (tours of energy facilities, etc.)

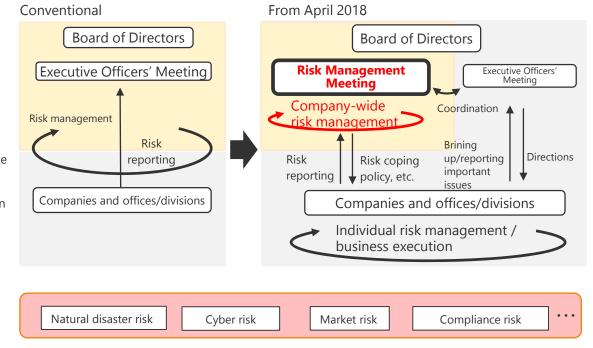
Social contribution activities

PR for safe electricity useGuest classes / workplace experience



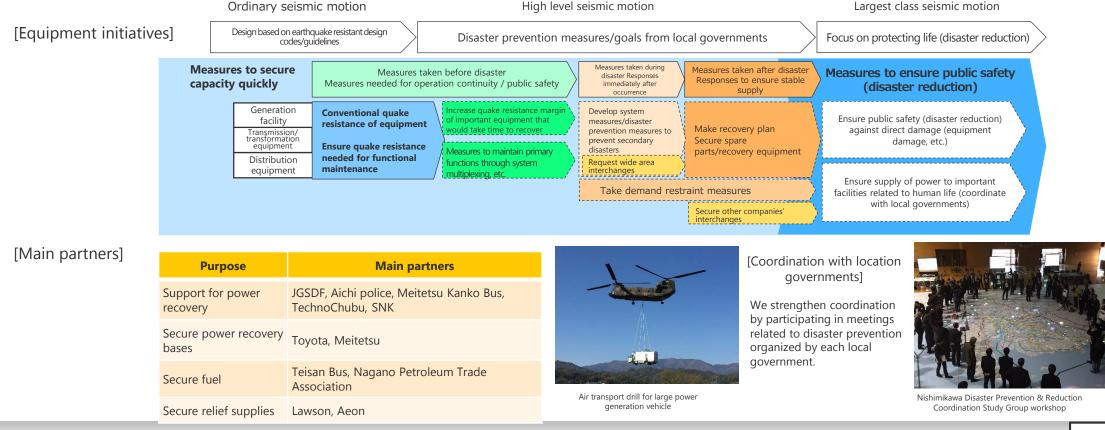
Certified as an "Outstanding Health Management Corporation 2018 (White 500)" by the Ministry of Economy, Trade and Industry and the Nippon Kenko Kaigi.

Risk management system



Business continuity initiatives (large-scale earthquake measures)

- In order to maintain a stable supply even when a large-scale earthquake has struck, in the summer of 2015 we compiled the necessary measures from the perspective of securing capacity quickly and ensuring public safety during high level seismic motion and from the perspective of ensuring public safety against direct damage from the largest class seismic motion (reducing the effects of a natural disaster,) in light of reviews by the national and local governments of a Nankai megathrust earthquake and disaster prevention measures. At present, we are steadily moving ahead with those equipment measures and plan to complete the principal measure by the end of fiscal 2020.
- Additionally, we make agreements and coordinate with outside organizations concerned, continue to exchange information during normal time, and strengthen collaboration through various drills.







Basic Approach to Investment, etc.



Necessary investment in electric power safety and stable supply

We will quickly and steadily implement measures to further increase safety at our facilities, including the Hamaoka Nuclear Power Plant. We will also keep investing steadily in equipment needed for stable supply while continuing to streamline. When making investments, we will thoroughly ensure efficiency.

Strategic investment for business growth and development

In order to ensure sustainable growth over the long-term, we will steadily make strategic investments for business growth and development after taking appropriate risk management.

Shareholder return

Chubu Electric Power has adhered to the following Policy on Shareholder Return since July 30, 2012.

The company will work to maintain stable dividends after taking account of financial condition and other factors, while continuously investing in building and operating facilities that are essential for a safe and stable supply of electricity.

We issued an interim dividend of 15 yen per share in fiscal 2017. Based on our commitment to keep improving management efficiency as much as possible in the future, we plan to issue a year-end dividend of 20 yen per share, taking comprehensive account of our medium- to long-term financial condition, management environment and other factors.



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1 Higashi-shincho, Higashi-ku, Nagoya, Aichi 461-8680, Japan TEL: 052-951-8211 (switchboard) www.chuden.co.jp The future plans and forecasts described in this document are based on information the company possesses at the present time and involve potential risks and uncertainty. Therefore, actual performance or business developments in the future may differ from those described. Examples of potential risks or uncertainty include changes in the economic or competitive circumstances affecting a business sector, fluctuations in fuel prices, or modification of laws or regulations.