Investors Meeting 2nd Quarter FY2016

November, 2016



INDEX

01	Outline of Financial Results		03	Management Situation: Specific efforts toward	
	for Six-Months ended September 30, 2016		I	the achievement of "What We Aim For"	
	Summary of Financial Results	••••01		Development of high efficiency Thermal Power Plants	••••14
	Electricity Sales Volume	••••04		JERA<1> : Establishment of JERA Co., Inc. and "What We Aim For"	'••••15
	Generated and Received Power	••••05		JERA<2> : Business Area of JERA	••••16
	(Reference) Impact of accrued income			Sales strategy for further expansion of	
	incurred by fuel cost adjustment system (Result)	••••06		electricity and gas market share Hamaoka Nuclear Power Station :	••••17
	Dividends	••••07		Further effort for Safety Enhancement Measures	••••18
	Summary of Forecast for FY2016	••••08		(Reference) Measures for risk reduction	••••19
	(Reference) Impact of accrued income incurred				
	by fuel cost adjustment system in FY2016 (Forecast)	••••10			
			04	Reference Data(1) : Financial Results •••	•20~28
02	Management Situation : "What We Aim For"				
	Management Vision	••••11	05	Reference Data(2) :	
	Mid-term target toward the achievement of			Management Information •••	•29~46
	"What We Aim For" (Initiatives for management issue	s) • • • • 12			
	Launch of the Internal Company System	••••13			

01

Outline of Financial Results for Six-Months ended September 30, 2016

Note: The Company's fiscal year (FY) is from April 1 to March 31 of the following year. FY2016 represents the fiscal year begun in April 1, 2016, and ended in March 31, 2017. 2nd Quarter(2Q) represents six months period ended September 30, 2016.

01 | Summary of Financial Results <1>



- Operating revenues (Consolidated and Non-consolidated) decreased for two consecutive years since 2015/2Q,
- Ordinary income (Consolidated and Non-consolidated) decreased following 2013/2Q, for the first time in 3 years. (We posted a deficit in 2013/2Q.)
- [Consolidated] We recorded decreased sales and profit following 2005/2Q for the first time in 11 years.
- [Non-consolidated)We recorded decreased sales and profit following 2011/2Q, for the first time in 5 years. (We posted a deficit in 2011/2Q.)

[Consolidated]			Rounded down to nearest 100 million yen.		(Billion yen,%)
[Consolidated]		2016/2Q	2015/2Q	Change	9
		(A)	(B)	(A-B)	(A-B)/B
Operating revenues		1,306.8	1,481.8	(174.9)	(11.8)
Operating income		172.2	227.6	(55.4)	(24.3)
Ordinary income		163.7	210.4	(46.6)	(22.2)
Net income attributable to ow	Attributable to owners of parent 146.7 149.9 (3.1)		(2.1)		
*The number of consolidated subsi	diaries	[change from the	same period of the pre	vious year in parenthesis]	
2016/2Q: 29 subsidiaries (-23 cc	ompanies) , 24 affi	liates accounted for u	under the equity metho	d (-25 companies)	
[Non-Consolidated]			Rounded down to ne	ear <mark>est 100 million yen.</mark>	(Billion yen,%)
		2016/2Q	2015/2Q Change		2
		(A)	(B)	(A-B)	(A-B)/B
Operating revenues		1,213.9	1,385.1	(171.2)	(12.4)
Operating income		164.0	220.2	(56.1)	(25.5)
Ordinary income		157.8	202.6	(44.8)	(22.1)
Net income		115.0	146.0	(31.0)	(21.2)
		2016/20	2015/20	Change	
[Principal Figures]		(A)	(B)	(A-B)	
Electricity sales volume	(TWh)	60.4	61.0	(0.6)	
CIF price: crude oil	(\$/b)	43.9	58.8	(14.9)	
FX rate (interbank)	(yen/\$)	105.2	121.8	(16.6)	
Nuclear power utilization rate	(%)	-	-	-	
* CIF crude oil price for 2Q of FY 20	16 is tentative.				

02 Summary of Financial Results <2>



(Consolidated operating revenues)

Operating revenues decreased by 174.9 billion yen compared with 2015/2Q, mainly due to a decrease in electricity sales revenues resulting from a decrease of electricity sales volume and a decrease of fuel cost adjustment charge.

[Factors contributing to change in Consolidated operating revenues]



03 Summary of Financial Results <3>



(Consolidated ordinary income)

Consolidated ordinary income decreased by 46.6 billion yen compared with 2015/2Q, mainly due to a reduction of accrued income incurred by fuel cost adjustment system and a decrease in fuel cost, affected by the fall of fuel price.

[Factors contributing to change in Consolidated ordinary income]

(Billion yen)





 $(T) \Lambda / h 0/)$

< Electricity Sales Volume>

- Dropped by 1.0% to 60.4TWh, compared with 2015/2Q, mainly due to a rebound of an increase in electricity sales
 volume in the previous fiscal year accompanied by a decrease in operation of private power generation, in spite of an
 increase of production in the automobile and semiconductor industry.
- Low voltage : Amounted to 18.0TWh, almost the same as in 2015/2Q, mainly due to customer's power saving effect, in spite of an increase of meter-reading days.
- High voltage Extra-high voltage : Dropped by 1.3% to 42.4TWh, mainly due to a rebound of an increase in electricity sales volume in the previous fiscal year accompanied by a decrease in operation of private power generation, in spite of an increase of production in the automobile and semiconductor industry.

					(1 VV11,70)
		2016/2Q	2015/2Q	Chang	е
		(A)	(B)	(A-B)	(A-B)/B
Flectricity	Low voltage	18.0	18.0	(0.0)	(0.3)
Sales	High voltage • Extra-high voltage	42.4	43.0	(0.6)	(1.3)
Volume	Total	60.4	61.0	(0.6)	(1.0)



<Generated and Received Power>

- Hydro : Due to lower water flow, hydro power output decreased by 0.8TWh. (flow rate for 2016/2Q: 92.3%, 2015/2Q: 114.3%)
- Interchanged, purchased Power : Decreased by 1.0TWh, mainly due to an increase in electricity sales volume to power exchange.
- **Thermal** : As a result above, thermal power output **increased by 1.6TWh**.

						(TWh,%)
			2016/2Q	2015/2Q	Chan	ge
			(A)	(B)	(A-B)	(A-B)/B
		Hydro	4.8	5.6	(0.8)	(14.1)
		<flow rate=""></flow>	<92.3>	<114.3>	<(22.0)>	
	Internally generated	Thermal	53.1	51.5	1.6	3.2
Generated and		Nuclear	(0.1)	(0.1)	0.0	(10.7)
Received		<utilization rate=""></utilization>	<->	<>	<->	
Power(*1)		Renewable energy	0.0	0.0	(0.0)	(35.6)
	Interchange	ed, Purchased power(*2)	5.4	6.4	(1.0)	(15.0)
	Power used	l for pumped storage	(0.5)	(0.4)	(0.1)	42.3
	•	Total	62.7	63.0	(0.3)	(0.4)

*1 From FY2016, the amount of power at the sending end has been mentioned as the amount of internally generated power. Change in the amount of power is calculated by converting the figure from the previous year to the sending end value.

*2 Interchanged, Purchased power represent power output that we grasp at the end of the 2016/2Q.







<The Policy on Shareholder Return>

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.

<Dividends>

The Board of Directors has determined that the interim dividend per share is 15 yen per share on 28 October, 2016.

	Dividend per share (yen)					
	Interim Year-end Total in annual					
FY 2016	15	<15>	<30>			
FY 2015	10	15	25			

- *1 Forecast in < >.
- *2 We have not changed the forecast of the dividend since the last time (July, 29 2016).



(Forecast) Revised Forecasts of Financial Results previously announced on July 29, 2016.

- Operating revenues (consolidated and non-consolidated) will decrease mainly due to a decrease in electricity sales volume and fuel cost adjustment charge.
- Ordinary income (consolidated and non-consolidated) will increase mainly due to further improvement of our management efficiency.

[Consolidated]

(Features of consolidated financial results)

- Operating revenues will decrease for 2 consecutive years since FY2015.
- Ordinary income will decrease following FY2013, for the first time in 3 years. [declining income]

				(Billion yen,%)
	Current July 29 Char		Chang	ge
	(A)	(B)	(A-B)	(A-B)/B
Operating revenues	2,590.0	2,610.0	(20.0)	(0.8)
Operating income	145.0	135.0	10.0	7.4
Ordinary income	125.0	115.0	10.0	8.7
Net income attributable to owners of parent	115.0	115.0	-	-

[Non-Consolidated]

(Features of non-consolidated financial results)

- Operating revenues will decrease for 2 consecutive years since FY2015.
- Ordinary income will decrease following FY2013, for the first time in 3 years. [declining income]

				(Dimon yen, 70)
	Current	July 29	Cha	inge
	(A)	(B)	(A-B)	(A-B)/B
Operating revenues	2,360.0	2,380.0	(20.0)	(0.8)
Operating income	125.0	115.0	10.0	8.7
Ordinary income	105.0	95.0	10.0	10.5
Net income	75.0	70.0	5.0	7.1



[Principal Figures]

				(TWh,%)
(Electricity sales volume)	Current	July 29	Chan	ge
(Electricity sales volume)	(A)	(B)	(A-B)	(A-B)/B
Low voltage	38.5	38.0	0.5	1.3
High voltage •Extra-high voltage	82.9	84.2	(1.3)	(1.5)
Total	121.4	122.2	(0.8)	(0.7)

(Other principal figures)		Current	July 29
CIF price: crude oil	(\$/b)	approx. 47	approx. 48
FX rate	(yen/\$)	approx. 105	approx. 105
Nuclear power utilization rate	(%)	-	-

			(Billion yen)	
(Income sensitivity)		Current	July 29	
CIF price: crude oil	(1\$/b)	8.0	8.0	*1,2
FX rate	(1yen/\$)	4.5	4.5	*1
Flow rate	(1%)	0.5	0.5	
Interest rate	(1%)	5.0	5.0	

*1 These figures represent income sensitivity for fuel expenses. Fluctuation of CIF price (crude oil) and FX rate will be reflected in sales revenue, in cases where average fuel price fluctuates and fuel cost adjustment system will be applied.

*2 The impact value of crude oil price includes the impact of LNG price because LNG price is subject to crude oil price.





02 Management Situation : "What We Aim For"

11 | Management Vision



We will aim to become a "total energy service corporate group that is one step ahead."

Chubu Electric Power Group : "What We Aim For"

As a leading company that provides services that exceed expectations to customers ahead of our competitors, we will aim to become a **"total energy service corporate group that is one step ahead."**

New specific policies

- We will provide environmentally friendly and high-quality energy in a safe, reasonable and stable form.
- We will pursue optimal energy use together with customers and create new and attractive products and services ahead of our competitors.
- We will expand our business domain both in Japan and abroad, and generate new value by utilizing the managerial resources and know-how that we have accumulated.
- We will brush up our top-class technological skills, service capabilities and management skills that exceed our competitors in Japan and abroad.



Through **the development of new business model** that go beyond the conventional framework, we will strive to maximize the value we offer customers and society, and achieve sustainable growth.





Chubu electric Power Group "What We Aim For"	- As a leading company that provides services that exceed expectations to customers ahead of our competitors, we will aim to become a "total energy service corporate group that is one step ahead."
	To achieve "What We Aim For," we will implement four priority measures
	Measures to increase the safety of the Hamaoka Nuclear Power Station Measures to accelerate growth
	Measures to ensure stable power supply for new era Measures to construct a business framework to make swift responses
Ouantitative mid-term	target toward the achievement of "What We Aim For"

Chubu electric Power Group Mid-term target We will aim to achieve "consolidated ordinary income of over 150 billion yen" in FY2018.

13 | Launch of the Internal Company System



- We established a "Power Generation Company," "Power Network Company," and a "Customer Service & Sales Company" to make swift and flexible responses to changes in the business environment in April 2016.
- We selected Company Presidents, delegated executive authority over operations, and work to achieve independent business operations.
- We will swiftly construct a new business model that copes with changes in the business environment, harnessing this to create new values and thereby outperform others in the ever-intensifying competition.

Power Generation Company (existing thermal power generation business•renewable energy business)

- Pursue one of Japan's largest business scales and achieve globally top-class technological skills in order to survive in the global market.
- Stable supply of internationally competitive energy to customers
- Expand business by securing power sources and gas sources outside the Chubu region
- Increase the use of renewable energy

Power Network Company (power transmission/distribution business)

- Respond to the trust and high expectations of our customers and support the development of the region by providing topclass network services.
- Stable supply of high quality electricity in a safe and reasonable form
- Realize an advanced electricity network service
- Contribute to efficient use of energy and offer new energy businesses

Customer Service & Sales Company (electricity retail business•gas retail business)

- Continue to be chosen by customers by providing total energy services centered on gas and electric power.
- Provide the best services that further enhance customer satisfaction
- Engage in new initiatives ahead of competitors

OB Management Situation :Specific efforts toward the achievement of "What We Aim For"

14 Development of high efficiency Thermal Power Plants





[Change of Total Thermal efficiency(LHV basis)]





(Note)"10 EPCos Total" values are based on " Environmental Action Plan by the Japanese Electric Utility Industry" published by The Federation of Electric Power Companies of Japan (FEPC) (Reference) Composition of Power Sources in Longterm Energy Supply and Demand Outlook



Source: Materials published by Subcommittee on Long-term Energy Supply-demand Outlook



Tokyo Electric Power Company, Incorporated (hereinafter, "TEPCO") and Chubu Electric established "JERA Co., Inc." effective from April 30, 2015, as a new company that implements "a comprehensive alliance covering the entire energy supply chain, from upstream fuel and procurement through power generation."

(Chubu Electric: 50%; TEPCO: 50%)

Roadmap of the Comprehensive Alliance Spring 2017 (target) [completed] [completed] [completed] April 30, 2015 July 1, 2016 October 1, 2015 -Decision regarding -Integration of existing fuel integration of existing -Established "JERA" -Integrated fuel businesses(upstream/procurement) -Established a single point transportation business domestic thermal power and existing overseas power and fuel trading of contact for new generation business to generation/energy infrastructure business development business to JERA JERA (target) business to JERA

Vision for JERA

※excluding existing thermal power generation business

- We will achieve fuel procurement capable of adapting to fluctuations in fuel markets developing optimized portfolio by world top-class offtake volume and trading.
- Bring together the knowledge and technology of both companies to establish and replace thermal power stations, and thereby seek a balance between achieving improved competitiveness and addressing global warming issues.
- Roll out overseas power generation and energy infrastructure businesses to gain new revenue sources, while assisting emerging nations achieve economic growth and reduce environmental impact.





- In the power generation field, we will seek to supply internationally competitive energy and improve corporate value by expanding our business scale, target areas and target countries, as well as strengthening our value chain, through JERA, our joint venture with TEPCO.
- At the same time, we will provide environmentally friendly and high-quality energy in a safe and stable form by further advancing our operations through the use of high technical skills and know-how that our Group possesses.



*Integration of assets related to existing thermal power generation business with JERA will be determined around the spring of 2017(target) upon confirming JERA's business achievements, etc.

17 | Sales strategy for further expansion of electricity and gas market share



- In response to full liberalization of the electricity and gas retail markets, we will continue to deploy "New services for customers using the company's electricity," "Business expansion in the Tokyo metropolitan area," and "Entry into gas sales for household use (gas & power)," as the three pillars of its sales strategy. Based on the strategy, we will aim for minimizing the risk of a change by our current customers in their power supplier from Chubu Electric to another supplier in Chubu region (retaining the current customers) and creating new revenue sources.
- We will develop into a leading company in total energy services centered on gas & electric power, through the expansion of products/services and supply areas and the creation of appeal value.

[Further effort for increasing customer satisfaction (Retaining the current customers)]

"New services for customers using the company's electricity"

 We will provide new and high-value added tariff menus that tailored to the needs of customers, centered on "New Value," "Region," "Helpful".

[New effort for expanding business domains

(Create new revenue sources)]

"Business expansion in the Tokyo metropolitan area"

- We will increase electricity sales mainly in the Tokyo metropolitan area through stable procurement of competitive power sources and aggressive cultivation of contact points with new customers.

Sales target in FY2030 <u>20TWh</u>

"Entry into gas sales for household use (Gas & Power)"

-We will aim to gain significant gas market share in the Chubu region and expand market share in regions other than Chubu, mainly the Kanto region, through aggressive use of competitive LNG of JERA.

Sales target in FY2030 <u>3MTPA</u>



18

Hamaoka Nuclear Power Station : Further effort for Safety Enhancement Measures



Chubu Electric Power is now under review by the Nuclear Regulation Authority to ensure compliance with the new regulatory standards, and we will make united efforts to swiftly gain confirmation that our reactors are complying with the standards. We sill also steadily implement equipment measures in view of new regulatory standards, and maintain our initiatives geared towards enhancing nuclear disaster measures.





Minimize risk related to Nuclear Power Generation by taking measures for Safety Enhancements and Emergency Preparedness
 Ceaseless efforts for risk reduction at all times are necessary and this is Operator's Mission



04 Reference Data(1): Financial Results



	(Rounded down to nearest 100 million yen.) (Billion yer				
	2016/2Q	2015/2Q	Cha	nge	
	(A)	(B)	(A-B)	(A-B)/B	
Operating revenues	1,306.8	1,481.8	(174.9)	(11.8)	
Non-operating revenues	7.7	7.5	0.2	2.7	
Ordinary revenues	1,314.6	1,489.3	(174.7)	(11.7)	
Operating expenses	1,134.6	1,254.1	(119.5)	(9.5)	
Non-operating expenses	16.2	24.7	(8.5)	(34.5)	
Ordinary expenses	1,150.8	1,278.9	(128.0)	(10.0)	
<operating income=""></operating>	<172.2>	<227.6>	<(55.4)>	<(24.3)>	
Ordinary income	163.7	210.4	(46.6)	(22.2)	
Reserve for fluctuation in water levels	(1.2)	7.5	(8.8)	-	
Extraordinary income(*)	30.2	10.8	19.4	180.2	
Income taxes	47.7	62.4	(14.6)	(23.5)	
Net income attributable to non-controlling interests	0.8	1.3	(0.5)	(38.6)	
Net income attributable to owners of parent	146.7	149.9	(3.1)	(2.1)	

* 2016/2Q : Gain on change in equity 2015/2Q : Reversal of provision for loss in conjunction with discontinued operations of nuclear power plants

21 | Non-consolidated Statements of Income <1>: Operating revenues



	(Roun					
		2016/2Q (A)	2015/2Q (B)	Chai (A-B)	nge (A-B)/B	[Major factors for Change]
	Electricity sales revenue	1,025.5	1,225.8	(200.3)	(16.3)	 A decrease in electricity sales volume : -11.5 A decrease in fuel cost
	Sold power to other electric utilities, and transmission revenue, etc. *	37.2	33.2	3.9	11.9	 adjustment charge : -217.5 An increase in surcharge for promoting renewable energy sourced electricity : +36.0
	Grant under act on purchase of renewable energy sourced electricity	113.7	75.7	38.0	50.2	
	Other	11.9	12.6	(0.6)	(5.5)	 An increase in purchase of renewable energy sourced electricity
Electric utility operating revenues		1,188.5	1,347.5	(159.0)	(11.8)	
Incidental businesses operating revenues		25.4	37.5	(12.1)	(32.4)	 A decrease in gas supply business
Total operating revenues		1,213.9	1,385.1	(171.2)	(12.4)	

* Sold power to other utilities, Sold power to other suppliers, Transmission revenue and Settlement revenue among utilities

Non-consolidated Statements of Income <2>: Operating expenses

22



	(Rounde	ed down to nea	arest 100 millioi	n yen.) (Bill	ion yen,%)	
		2016/2Q (A)	2015/2Q (B)	Chai (A-B)	nge (A-B)/B	[Major factors for Change]
	Salaries and employee benefits	89.1	90.7	(1.5)	(1.7)	
	Fuel	264.6	405.7	(141.0)	(34.8)	- A docrosso in fuel price
	Nuclear back-end expenses *1	7.0	7.3	(0.3)	(4.6)	- A decrease in ider price
	Purchased power, and transmission charges, etc. *2	193.9	169.9	24.0	14.1 -	- An increase in purchase of
	Maintenance	91.7	91.2	0.5	0.6	electricity
	Depreciation	113.3	119.7	(6.4)	(5.4)	
	Taxes other than income taxes	62.9	63.6	(0.6)	(1.0)	
	Levy under act on purchase of renewable energy sourced electricity	112.9	76.8	36.0	46.9	
	Other	94.9	108.7	(13.7)	(12.7)	
electric utility operating expenses		1,030.8	1,134.0	(103.2)	(9.1)	
ncidental business operating expenses		19.0	30.8	(11.8)	(38.3)	- A decrease in gas supply
otal operating expenses		1,049.8	1,164.8	(115.0)	(9.9)	business

*1 Reprocessing of irradiated nuclear fuel, Preparation of reprocessing of irradiated nuclear fuel, Designated radioactive waste disposal expenses, Decommissioning nuclear power plants

*2 Sold power to other utilities, Sold power to other suppliers, Portion of the existing power generation expenses such as spent fuel reprocessing for which contracts have been signed, consignment charges, supply connection consignment charges, Settlement revenue among utilities

23 Non-consolidated Statements of Income <3>: Net income



(Rounded down to nearest 100 million yen.) (Billion yen,%)					
	2016/2Q (A)	2015/2Q (B)	Cha (A-B)	nge (A-B)/B	【Major factors for Change】
Operating income	164.0	220.2	(56.1)	(25.5)	- Electricity business : -55.8
Non-operating revenues	8.9	7.3	1.5	21.1	- Incidental business : -0.3
Non-operating expenses	15.2	25.0	(9.8)	(39.2)	
Ordinary revenues	1,222.8	1,392.5	(169.6)	(12.2)	
Ordinary expenses	1,065.0	1,189.9	(124.8)	(10.5)	
Ordinary income	157.8	202.6	(44.8)	(22.1)	
Reserve for fluctuation in water levels	(1.2)	7.5	(8.8)	-	
Extraordinary income	-	10.8	(10.8)	-	- 2015/2Q : Reversal of provision for loss in
Income taxes	44.0	59.8	(15.8)	(26.4)	conjunction with discontinued operations of nuclear power
Net income	115.0	146.0	(31.0)	(21.2)	plants



	(Rounded down to ne	earest 100 million yen.)	(Billion yen)
	2016.9	2016.3	Change
	(A)	(B)	(A-B)
Acceta	5,510.1	5,538.9	(28.7)
Assets	<5,091.8>	<5,065.5>	<26.2>
	3,764.5	3,901.8	(137.2)
Liabilities	<3,619.1>	<3,697.3>	<(78.1)>
Neterate	1,745.6	1,637.1	108.5
	<1,472.6>	<1,368.2>	<104.3>
	31.0	28.9	2.1
Shareholders' equity ratio	<28.9>	<27.0>	<1.9>
Outstanding interest has view dated	2,627.2	2,625.4	1.7
Outstanding interest-bearing debt	<2,625.1>	<2,629.8>	<(4.6)>

Non-consolidated figures in <>.

25 | Electric utility operating expenses (Non-Consolidated)









27 | Fund Raising



- We raised total approximately 1,500 billion yen in long-term funding for 3 years since the shutdown of Hamaoka Nuclear Power Station.
- We raised 130 billion yen in long-term funding in FY2015.
 - We plan to raise approximately 400 billion yen in long-term funding in FY2016.







	· · · · · · · · · · · · · · · · · · ·	
Moody's	R&I	JCR
A3	A+	AA

05 Reference Data (2) : Management Information



[Schedule of the Electricity System Reform**]**

	Schedule for implementing the measures	Schedule for Enacted the bill
1 st phase: Establishing the Organization for Nationwide Coordination of Transmission Operators	Established on April 1, 2015	Enacted on November 13, 2013
2 nd phase: Fully liberalizing the electricity retail market into which retail entities are able to enter	In April 1, 2016	Enacted on June 11, 2014
3 rd phase: Further securing the neutrality of the power transmission/distribution sector through legal unbundling; Fully liberalizing electricity rates	In April 2020	Enacted on June 17, 2015

[Revision of the Gas Business Act]

	Scheduled for implementing the measures	Scheduled for enacted the bill
Full liberalization of the gas retail market	In April 1, 2017	Freedon lune 17 2015
Legal unbundling of the gas pipeline business (Tokyo Gas Co., Ltd., Osaka Gas Co., Ltd., and Toho Gas Co., Ltd)	In April 2022	Enacted on June 17, 2015

30 Strengthen Mutual Support among Power Companies





Note: The figures for the operating capacity during the day time (8 a.m. to 8 p.m.) in January are derived from data of the Organization for Cross-regional Coordination of Transmission Operators.

31 Composition of Power Sources and Electric Power Output (FY2015)







*2 Figures in Others represent output from purchased power of which we cannot specify the power source.

32 | JERA <1> : Initiatives of JERA



- JERA will expand business based on investment profits from each business and profits generated from the optimization of the value chain.
- We will divide the value chain from the securing of interests of energy resources to procurement, transportation, gas supply and power generation (domestic and abroad) for each business, and aim to increase the investment returns of each business domain.
- At the same time, on the operation side we will establish a system that can control profits and risks by optimizing the allocation of managerial resources and operations, in view of the activities of the entire value chain. As a competitive and innovative supplier, we intend to survive the competition both in the Japanese and global markets.



33 | JERA <2> : Management Objectives in FY2030





[Assumptions for FY2030] JCC:155USD/bbl, HH:8.3USD/MMBTU, Exchange rate:JPY120/USD

* Earning of affiliates are included for a reference on an equity basis

		FY2016 (At the time of the succession in July)	FY2030
	Contracted LNG Volume	Approx. 40 MTPA	30~40 MTPA
Eucl Rusiness	Contracted Coal Volume	Approx. 20 MTPA	20~30 MTPA
ruei busiriess	Investment Projects	6 Projects	Approx. 12 Projects
	LNG vessels in fleet	16 vessels	Approx. 30 vessels
Domestic Power Generation Business (New Construction / Replacement)	Power generation capacity	650 MW	Approx. 12,000 MW
Overseas Power Generation Business	Power generation capacity (equity)	6,000 MW	Approx. 20,000 MW



(Reference) Overseas IPP and Fuel projects of JERA Group (As of the end of October 2016)







- After the suspension of all the units of Hamaoka Nuclear Power Station, the Company has increased the utilization of thermal power plants, mostly LNG, to compensate for the loss of power output by nuclear plants.
- The Company considers that it needs to procure approximately 13.00 million tons of LNG in FY2016 at about the same level as the previous year, though the LNG volume it needs to procure will fluctuate depending on the electricity supply-demand situation. The Company is proceeding to procure the necessary volume.



(Reference) LNG procurement results



We will create attractive and competitive services, deliver valuable services worth more than the price (including safe, stable, and affordable energy services) to meet the needs of customers, and also meet customers' expectations and gain their trust.

Menu		Allocate KatEne	Privi		
		point to the bill We are the first In the electric power industry	Fixed discount (100 or 150 yen/month)	Merits of high consumption	Discount rate*
	Point Plan (10-30A)	0	_		Be equal to 1%
Customers for residential use	Otoku Plan (40-60A, 6kVA)	0	0	_	Be equal to 3%
	Toku-Toku Plan (7kVA or more)	0	0	0	Be equal to 4% (at most 5%)
Customers for industrial use	Biji-Toku Plan		_	0	Be equal to 5% (at most 7%)
Customers for time plan use *	Smart Life Plan	0	Advantages acco	ording to the state of u	se of each time zone

* We developed new tariff menu "Smart Life Plan for Smart Airs" with TOYOTA HOUSING CORPORATION and the sales will begin in April 2017. (We discount 3 yen per kWh from Day-Time charge of Smart Life Plan.)

[Set menu of electricity charges and services which is useful in life and business]

Menu	Service contents	Combination menu
Kurashi-Support Set	Package deal with services to support problems at home such as water leaks in the kitchen	Point Plan
Shukyaku-Otetsudai Set Package deal with a service that allows advertisement transmission easily and for a good price		Otoku Plan
Kaikei- Otetsudai set	Package deal with cloud accounting software that improves the efficiency of accounting work	Toku-Toku Plan

*Menu for Chubu region is compared with our existing menu.

37 Sales Strategy <2> : Sales in the Tokyo metropolitan area <New KatEne Plan> 🌾 CHUBU Electric Power



In the Tokyo metropolitan area, we will aggressively expand our business since the area has a large market size and is an extremely attractive market with high growth and we will aim to achieve 100 thousand contracts at the earliest. We redesigned "KatEne Plan" so as many customers to use electricity beneficially and started New acceptance on August 1, 2016. **KatEne Plan** The target of "New KatEne Plan" is customer whose contract capacity is more than 3KVA in TEPCO's existing menu. (expansion of the target) **1** Top-class low price > We reduced the level of electricity retail price largely compared with "Old KatEne Plan." Discount rate is 5-10% (KatEne point included) compared with TEPCO's existing menu. **Features 2** Benefit arising for all customer in various consumption > By adopting a 3-stage fee system, the unit price of the basic charge and energy charge is reduced respectively. \succ The more the quantity used by the customers, larger are the merits.

(Reference) Comparison with "New KatEne Plan" and "Old KatEne Plan"

				Me	rits	
	Menu	Contract capacity	Allocate KatEne point to the bill We are the first in the electric	Low consumption	High consumption	Discount rate*
Lighting	New KatEne Plan	3 KVA \sim	power industry	0	0	Be equal to 5-10%
Lighting	Old KatEne Plan	5 kVA \sim	0	_	0	Be equal to 2-5%

* Comparison with TEPCO's existing menu in the model case at the announcement.



Partners

-

We are unfolding electricity sales through partner companies which have customers in Tokyo metropolitan.

	Procurement	Sales channels	Overview
		Chubu Electric	Sales of New KatEne plan in our website
		EDION	Introduce the New KatEne Plan to customers who visit EDION
Н		BIGLOBE	Introduce and sell a joint development menu that bundle the New KatEne Plan and Internet service.
ousehold	Chubu Electric	Shizuoka Bank	Provide a joint development menu to customers who use home loan of the Shizuoka Bank in the Tokyo metropolitan area, principally eastern Shizuoka prefecture and Kanagawa prefecture.
		Chubu Telecommunications (ctc)	Introduce and sell a joint development menu that bundle the New KatEne Plan and "Commufa HIKARI" by ctc for ctc's customers in eastern Shizuoka prefecture.
	Diamond Power	12 city gas companies (As of the end of October 2016)	We provides electricity through Diamond Power to city gas companies. Each city gas company sells tariff menus that suit each customer.
	Business	Continuously, Chubu El	ectric, Diamond Power and C Energy sell electricity to their customer directly.

[Securing power sources]

Power sources	Output	Fuel	Operation commences
Suzukawa Energy Center Co., Inc. (Fuji-shi, Shizuoka)	100MW	Coal	September 2016
Hitachinaka Generation Co/, Inc. (Tokai-mura, Naka-gun, Ibaraki)	650MW	Coal	FY2020

Sales Strategy <4> : Gas sales business



- In 2001, Chubu Electric Power launched a natural gas sales operation geared towards large factories, harnessing its own pipelines. The company has since then been taking incremental steps to strengthen and expand its gas business.
- Toward full liberalization of the gas retail market that commenced on April, 2017, we made an application for the gas retail business on September 13, 2016.
- Collaborating with C Energy fully acquired, the Chubu Electric Group continues to offer energy services that combine gas, LNG and on-site energy to business customers. We support their goals to build a highly reliable energy supply system while cutting energy consumption, CO2 emissions and operating costs.





As to Unit No.4, the application form for Change in reactor establishment permission that we submitted has been reviewed by the Nuclear Regulation Authority in two separate categories (matters related to earthquakes/tsunami, etc., and the plant).

As of the end of October

Matters subject	Matters related to earthquakes/tsunami, etc.	Matters related to the plant		
Number of examination	14 times	56 times		
meetings to be held	Joint meetings: 2 times			
Main item subject	Earthquakes/tsunami/Volcanoes	Design basis measures Severe accidents, etc.		
Main topics of discussion in recent examination meetings	Assessment of seismic motion -Explanation pertaining to the interplate earthquakes that have dominant effects on the seismic ground motion at the premises and oceanic intraplate earthquakes Assessment of geological features and geological structure around the premises -Explanation pertaining to the impact of the fold zone (A-17 fault, etc.) identified around the premises, on the evaluation of activity / seismic motion	Spent fuel dry storage facility -Explanation pertaining to the method of evaluating fires caused due to crashing of airplanes, tornados, thunderbolts with respect to the spent fuel dry storage facility Effectiveness assessment of severe accidents -Answers about selection of the accident sequence, and effectiveness assessment of prevention of core damage		
Future schedule	-Tsunami assessment, stability of foundation ground etc.	 Probabilistic risk assessment Tornados impact assessment, etc. 		



Hamaoka Nuclear Power Station <2> : Measures for improving responses to nuclear disaster ~ Plan of bringing the accident under control (onsite)



- We will amplify field response and equipment measures geared towards enhancing safety, and work to prevent any offsite influence.
- To prepare against various situations developing from major accidents despite steps being taken, we will responsibly engage in activities to bring the accident under control. This will include installing various materials/equipment and improving the competence of our personnel with drills, and at the same time amplifying our system/organization and strengthening response capabilities spanning from the initial response to recovery processes.
- Chubu Electric Power is now undergoing reviews to ensure compliance with the new regulatory standards. We will continue to confirm and improve our response capabilities in view of the review.



among operators



Hamaoka Nuclear Power Station <3>:Measures for improving responses to nuclear disaster ~ Plan of responses to nuclear disaster (offsite)



Chubu Electric Power will continue to prevent accidents. We will also achieve stronger partnership with related organizations and both national and local governments, continue to work toward enhancing and strengthening nuclear disaster emergency measures or responses in local communities around the power station, and thereby steadfastly fulfill our responsibility as a nuclear operator.





Hamaoka Nuclear Power Station <4> : Activities to take part in dialogue with local residents



- On the Hamaoka Nuclear Power Station, we have been steadily promoting further safety measures including facilities measures and disaster prevention measures together with gaining public understanding as a package.
- The Company will endeavor more than ever to focus on interactive communication with local residents and our stakeholders by transmitting information including risks in an easy-to-understand manner and with respect, listening with sincerity to customers' voices on uncertainty and doubts, concerns and questions them respectfully.

[Activities to take part in dialogue for 4 cities concerned]

Tour of the Hamaoka	We provide opportunities to confirm the safety measures at the Hamaoka Nuclear Power Station on the spot directly for local residents. In addition, we are making efforts to communicate with local residents by setting up opportunities to engage in dialogue with employees who works in Hamaoka Nuclear Power Station actually.		
Nuclear Power Station	Visitors : 32 thousand people in a year(Average for FY2012-FY2015) Displaying a movable water pumper		
Caravan activities	About once or twice each month the caravan team visits shopping centers and other facilities in the vicinity of the Hamaoka Nuclear Power Station to communicate the progress of the safety measures to locals and to directly ask for their opinions. FY2016 (End of September 2016) : 9 places for 10 days and 888 persons listened to our explanations.		
Visit and dialogue	We visit people living in the vicinity of the Hamaoka Nuclear Power Station to engage in dialogue with them and we introduce our measures to as many people as possible and to solicit the opinions of local residents. Visiting targets : Approx. 82 thousand households *And we implement second round of visit and dialogue from November 2015. (Progress rate : Approx. 77% end of September 2016)		
Opinion-exchange	We plan and hold opinion-exchange meetings with local government and woman's organizations and participate in the meeting held by the governments in order to exchange opinions with various organization continuously, thereby increasing the opportunities to engage in dialogue with people living in the vicinity "Shaberi-ba" > "Shaberi-ba" > "Shaberi-ba" > "Shaberi-ba" > "We hold "Shaberi-ba" that is opinion-exchange meeting with women's organizations in the vicinity of the Hamaoka Nuclear Power Station by group work in order to share concerns and questions about nuclear power.		
meetings	FY2016 : 24 times planned <participating by="" government="" held="" in="" meetings="" opinion-exchange="" the=""> Opinion-exchange meetings held by Omaezaki city and Makinohara city. Opinion-exchange meetings held by Omaezaki city and Makinohara city. Opinion-exchange meeting held by Omaezaki city (FY2015 : 2 times) Opinion-exchange meeting held by Makinohara city (FY2016 : 4 times planned <2 times held>)</participating>		

44

Hamaoka Nuclear Power Station <5> : Seawater inflow via damaged tubes in the main condenser for Hamaoka Reactor No.5



[Fact]

- On May 14, 2011, when preparing for cold shutdown after reactor No. 5 was suspended, a portion of the tubes in the main condenser, through which seawater flowed to cool steam, was damaged. 400 tons of seawater flowed into the main condenser and 5 tons of sea water into the reactor.

[Inspection results]

D Reactor Pressure Vessels and Structure in the Reactor

 We found parts of lined portions in the nuclear pressure vessels and in some equipment were corroded.
 However, the evaluation results showed that the control rods and neutron detectors needed to be replaced but that other devices could continue to be used.

Other Reactor and Turbine Equipment

- We found corrosion in some equipment. However, We assessed that we would be able to maintain the functions of each equipment by repairing or replacing the defective parts.

[Future plan]

- We plan to consider restoration plans such as examining the necessary specific measures toward individual devices.
- As for Reactor No.5, we will summarize the total plan, which is not only the restoration plan in the event of seawater inflow but also such as anti-tsunami measures that conform to the new regulations.
- Our total plan will be evaluated at the Nuclear Regulation Authority.



45 | Responses to Global Warming



- The Company has been making efforts to reduce CO2 emission through comprehensive initiatives including the development of high efficiency thermal power generators and renewable energy to achieve a balanced power source composition.
- We intend to participate in the voluntary framework established by the entire electric power industry, and make various efforts toward achieving targets in terms of the CO2 discharge rate for FY2030.

[Specific efforts]

To further reduce the CO2 emission intensity of the Company as a whole, we will continue to make efforts including continuing to use nuclear power, which generates electricity without emitting CO2 and therefore is an effective measure for combating global warming; increasing the use of renewable energy; installing the world's highest efficiency LNG-fired generator at the Nishi-Nagoya Thermal Power Station Unit No. 7 (currently under construction); and installing leading-edge coal-thermal power generation facilities at the Taketoyo Thermal Power Station Unit No. 5 (currently in the planning stage).

Participation in the "Electric Power Council for a Low Carbon Society" (ELCS)

- Established for consistent promotion of efforts toward achieving the "Action Plan for the Electricity Business for Achieving a Low-Carbon Society," in which 10 member companies of the Federation of Electric Power Companies of Japan, including Chubu Electric Power, Electric Power Development Co., Ltd., The Japan Atomic Power Company and voluntary power producers & suppliers participate.
- ELCS and participating companies will turn the PDCA cycle in order to achieve the target.

Target emission intensity (FY2030)

Approx. 0.37kg-CO₂/kWh*

*Your figures per 1kWh of use



46 Renewable Energy : Our efforts toward Promotion



208

2014.3

202

2013.3

212

2015.3

238

2016.3

_			(As of	the end of September, 2016)	(Reference1) Development locations of hydroelectric power station		
			Chubu Electric	(Reference)Chubu Electric Group	 Conventional hydro Generation with minimum water level Parentheses denote the commercial operation start year 		
Hydro		operating	197Site:5,450MW	Akigami : 0.29MW(FY2016)	Nyuukawa		
	plan	Shin-Okuizumi : 0.29MW(FY2017) Seinaiji : 5.6MW(FY2022) 2Site:9.2MW	Sakore : 0.37MW(FY2018)	[C-Tech Corporation] Akigami (operation started in May 2016) 0.29MW [C-Tech Corporation] Sakore (FY2022) 5 6MW			
Wind	Operating	Omaezaki : 22MW	114MW	0.37MW			
	Wind	Plan		Shin-Aoyama Kogen 2: 44MW(FY2016)	Shin-Okuizumi (FY2017) 0.29MW		
	Solar	Operating	Mega Solar Iida : 1MW Mega Solar Shimizu : 8MW Mega Solar Taketoyo : 7.5MW (Transfer to Kawagoe in FY 2017,and change the name to "Mega Solar Kawagoe")	227MW	*We plan to develop at the 2 other locations (MW) (Reference2) Contract demand (Solar, Wind) 6,000 Wind 5,000 4,000 4,000		
		plan	—	Approx. 100MW	2 000		
Biomass	Biomass	operating	Mixture of wooden chip Mixture of fuel from carbonized sewage sludge	Taki bio power: 6.7MW(FY2016)	2,000 237.0 5,048 2,000 3,668 2,206		
		plan			1,000		
*1 Jc	1 Joint businesses are recorded in their entire amount instead of by equity interest.						

*2 Up to FY2020 concerning Group company (Deference) "Commerce of electric neuron company

(Reference) "Summary of electric power supply plan" announced in June 29, 2016.

Copyright © CHUBU Electric Power Co., Inc. All Right Reserved.

0

202

2012.3



DISCLAIMER

This presentation contains assumptions and forward-looking statements with respect to the financial conditions, and forecasts of the company, which are based on information currently available.

These assumptions involve certain risks and uncertainties, and may cause actual results materially differ from them, by changes in the managerial environment such as economic activities and market trends.

Though great care is exercised in the preparation of such literature, Chubu Electric Power Co., Inc. shall not be liable in any manner for any loss whatever incurred as a result of erroneous information contained therein or in this presentation.

