FY2017 1st Quarter Financial Results (April 1 – June 30, 2017)

Tokyo Electric Power Company Holdings, Inc.



Regarding Forward-Looking Statements

Certain statements in the following presentation regarding TEPCO Group's business operations may constitute "forward-looking statements." As such, these statements are not historical facts but rather predictions about the future, which inherently involve risks and uncertainties, and these risks and uncertainties could cause TEPCO Group's actual results to differ materially from the forward-looking statements herein.

(Note)

Please note that the following is an accurate and complete translation of the original Japanese version prepared for the convenience of our English-speaking investors. In case of any discrepancy between the translation and the Japanese original, the latter shall prevail.

Overview of FY2017 1st Quarter Financial Results (Released on July 28, 2017)

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< FY2017 1st Quarter Financial Results >

- Although electricity sales revenue decreased due to a decrease in electricity sales volume, ordinary revenue increased due to an increase in grants under Act on Procurement of Renewable Electric Energy etc.
- Ordinary expenses increased due to the rise of fuel prices and increase of purchasing solar power generation.
- Ordinary income achieved profits for the fourth consecutive year. However, time-lag effect* caused by fuel cost adjustments, which made a positive contribution in FY2016 1st Quarter, made a negative contribution in FY2017 1st Quarter, and ordinary income decreased.
- Net income increased due to recording grants-in-aid from Nuclear Damage Compensation and Decommissioning Facilitation Corporation (NDF).

*Difference between such revenue as may be adjusted if fuel prices were reflected immediately and the revenue from actual fuel cost adjustment.

< FY2017 Full-year Financial Forecasts >

There is no revision from the projections released on May 11, 2017.

(Unit: Billion Yen)

	FY2017	FY2016 Comparison		parison
	Apr-Jun (A)	Apr-Jun (B)	(A)-(B)	(A)/(B) (%)
Operating Revenue	1,313.3	1,264.9	48.3	103.8
Operating Income	67.6	143.6	-75.9	47.1
Ordinary Income	55.6	136.7	-81.1	40.7
Extraordinary Income	128.6	-	128.6	-
Extraordinary Loss	36.0	119.9	-83.8	-
Net Income attributable to owners of parent	148.0	1.1	146.9	-

Electricity Sales Volume				(Unit: Billion kWh)
	FY2017	FY2016	Comp	arison
	Apr-Jun (A)	Apr-Jun (B)	(A)-(B)	(A)/(B) (%)
Lighting	17.8	19.0	-1.1	94.1
Power	36.4	37.3	-0.9	97.6
Total	54.3	56.3	-2.0	96.4

* Excluding islands. Including nation-wide sales.

Key Factors Affecting Performance

	FY2017 Apr-Jun (A)	FY2016 Apr-Jun (B)	(A)-(B)
Foreign Exchange Rate (Interbank, yen/dollar)	111.1	108.1	3.0
Crude Oil Prices (All Japan CIF, dollar/barrel)	53.4	41.1	12.3
LNG Prices (All Japan CIF, dollar/barrel)	48.2	34.7	13.5

3. Ordinary Revenue (Consolidated)

			(U	nit: Billion Yen)	
	FY2017	FY2016	Compa	arison	
	Apr-Jun (A)	Apr-Jun (B)	(A)-(B)	(A)/(B) (%)	 Decrease in electricity sales
(Operating Revenue)	1,313.3	1,264.9	48.3	103.8	volume: - 40.0 - Effect of fuel cost
Electricity Sales Revenue	1,035.2	1,064.4	-29.2	97.3	adjustments: + 4.0 • Renewable energy
Lighting	431.2	450.4	-19.1	95.8	Sulcharge. + 19.0
Power	603.9	614.0	-10.0	98.4	Total of TEPCO Holdings and three Core
Power Sold to Other Utilities and Suppliers	45.4	23.7	21.6	191.1	(TEPCO Fuel & Power, TEPCO Power Grid and
Other Revenue	198.6	155.6	43.0	127.7	TEPCO Energy Partner) (after intercompany
(Written again) Grant under Act on Procurement of Renewable Electric Energy	103.2	82.8	20.3	124.6	elimination)
(Written again) Transmission Revenue	44.6	26.1	18.4	170.6	Total of subsidiaries and affiliated
Subsidiaries/ Affiliated Companies	46.4	44.0	2.4	105.6 -	companies excluding three Core Operating Companies (after
Ordinary Revenue	1,325.8	1,287.8	37.9	102.9	intercompany elimination)
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4. Ordinary Expenses (Consolidated)

			(Unit: I	Billion Yen)	
	FY2017	FY2016	Compai	rison	Effect of price fluctuations
	Apr-Jun (A)	Apr-Jun (B)	(A)-(B)	(A)/(B) (%)	of exchange rate, fuel
Personnel Expenses	85.4	88.3	-2.8	96.8	prices (CIF) and others:
Fuel Expenses	277.0	227.8	49.1	121.6	 Decrease in thermal powe
Maintenance Expenses	65.4	69.8	-4.4	93.7	generation: -17.0
Depreciation	135.5	136.9	-1.3	99.0	Increase of purchase
Power Purchasing Costs	277.1	222.4	54.6	124.6	generation and others
Interest Paid	17.1	20.4	-3.3	83.7	
Taxes,etc.	72.3	72.1	0.2	100.3	Total of TEPCO Holdings
Nuclear Back-end Costs	12.2	13.3	-1.1	91.5	 and three Core Operating Companies (after
Other Expenses	286.8	266.6	20.2	107.6	intercompany elimination)
(Written again) Payment under Act on Procurement of Renewable Electric Energy	120.4	100.6	19.8	119.7	Total of subsidiarios and
Subsidiaries/ Affiliated Companies	41.0	33.1	7.9	124.0	affiliated companies
Ordinary Expenses	1,270.2	1,151.1	119.0	110.3	excluding three Core Operating Companies
(Operating Income)	(67.6)	(143.6)	(-75.9)	47.1	(after intercompany
Ordinary Income	55.6	136.7	-81.1	40.7	

5. Extraordinary Income/ Loss (Consolidated)

(Unit: Billion Yen)

	FY2017 Apr-Jun	FY2016 Apr-Jun	Comparison
Extraordinary Income	128.6	—	128.6
Grants-in-aid from NDF*	128.6	_	128.6
Extraordinary Loss	36.0	119.9	-83.8
Expenses for Nuclear Damage Compensation	36.0	119.9	-83.8
Extraordinary Income/ Loss	92.5	-119.9	212.4

* Nuclear Damage Compensation and Decommissioning Facilitation Corporation

<Extraordinary Income> Grants-in-aid from NDF • Application for financial support from NDF in May and June 2017 <Extraordinary Loss> Expenses for Nuclear Damage Compensation • Increase in the estimated amount of compensation for damage to reputation etc., and other factors



6. Consolidated Financial Position

- ➤ Total assets decreased 220.6 billion yen primarily due to a decrease in cash and deposits.
- Total liabilities decreased 342.3 billion yen primarily due to a decrease in provision for nuclear damage compensation.
- ➤ Equity ratio improved by 1.3 points.



(Unit: Billion Yen)

	FY2017 Projections (released on Jul. 28, 2017)	FY2017 Projections (released on May 11, 2017)	FY2016 Results
Operating Revenue	5,750	5,750	5,357.7
Ordinary Income	200	200	227.6
Extraordinary Income/ Loss	98	98	-80.6
Net Income attributable to owners of parent	288	288	132.8

* FY2017 Projections released on July 28 have no change from those released on May 11, 2017.

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8

8. FY2017 Full-Year Financial Forecasts

(Key Factors Affecting Performance/ Financial Impact)

Key Factors Affecting Performance

	FY2017 Projections (released on Jul. 28, 2017)	FY2017 Projections (released on May 11, 2017)	FY2016 Results
Electricity Sales Volume (billion kWh)	235.2	234.9	241.5
Crude Oil Prices (Al Japan CIF; dollars per barrel)	Approx. 54	Approx. 55	47.5
Foreign Exchange Rate (Interbank; yen per dollar)	Approx. 114	Approx. 115	108.4
Flow Rate (%)	Approx. 98	Approx. 100	94.2
Nuclear Power Plant Capacity Utilization Ratio (%)	_	_	_
Financial Impact (Se	ensitivity)	(Unit: Billion Yen)
	FY2017 Projections (released on Jul. 28, 2017)	FY2017 Projections (released on May 11, 2017)	FY2016 Results
<fuel expenses=""> Crude Oil Prices (All Japan CIF; 1 dollar per barrel)</fuel>	Approx. 16	Approx. 16	Approx. 17
Foreign Exchange Rate (Interbank; 1 yen per dollar) Nuclear Power Plant Capacity	Approx. 11	Approx. 11	Approx. 10
Utilization Ratio (1%)			-
<pre><interest paid=""> Interest Rate 1% (Long-term / Short-term)</interest></pre>	Approx. 28	Approx. 28	Approx. 21

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Supplemental Material

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Table of Contents

Financial Results Detailed Information

Consolidated Statements of Income	10
Breakdown of Consolidated Ordinary Revenue	11
Breakdown of Consolidated Ordinary Expenses	12
Year-on-Year Comparison of Consolidated Ordinary Expenses-1	13
Year-on-Year Comparison of Consolidated Ordinary Expenses-2	14
Year-on-Year Comparison of Consolidated Ordinary Expenses-3	15
Increase/ Decrease of Consolidated Business Performance	16
Financial Impact of the Great East Japan Earthquake	17
Consolidated Balance Sheets	18
Segment Information	19
[Ref] Key Factors Affecting Performance and Financial Impact	20
[Ref] Seasonal Breakdown of Electricity Sales Volume and	21
Total Power Generated	
[Ref] Fuel Consumption	22
[Ref] Feed-in Tariff Scheme for Renewable Energy	23
(Purchase Cost Collection Flow)	
[Ref] Schedules for Public Bond Redemption	24

The Current Status of Fukushima Daiichi NPS and Future Initiativ	es
Current Situation and Status of Units 1 through 4	25
Overview of the Mid-to-long Term Roadmap-1	26
Overview of the Mid-to-long Term Roadmap-2	27
Contaminated Water Management	28
The Current Status of Kashiwazaki-Kariwa NPS and Future Initiati	ives
Main Measures to Secure Safety	
Outline	29
Implementation Status	30
Compliance Review under the New Regulatory Requirements-1	31
Compliance Review under the New Regulatory Requirements-2	32
Other Initiatives	
Implementation of the Streamlining Policy	33
Efforts towards Nuclear Reform	
Framework for Nuclear Reform	34
Report on Status of the Nuclear Safety Reform Plan	35
Main Efforts to Increase Corporate Value -1	36
Main Efforts to Increase Corporate Value -2	37
Scope of the Comprehensive Alliance and Post-Integration Initiatives	38
[Ref] Integration Synergy Effects	39

FY2017 1st Quarter Financial Results Detailed Information



	FY2017	FY2016	Comparison		
	Apr-Jun (A)	Apr-Jun (B)	(A)-(B)	(A)/(B) (%)	
Operating Revenue	1,313.3	1,264.9	48.3	103.8	
Operating Expenses	1,245.7	1,121.3	124.3	111.1	
Operating Income	67.6	143.6	-75.9	47.1	
Non-operating Revenue	12.5	22.9	-10.3	54.8	
Investment Gain under the Equity Method	8.4	12.6	-4.1	66.8	
Non-operating Expenses	24.5	29.7	-5.2	82.4	
Ordinary Income	55.6	136.7	-81.1	40.7	
Reserve for preparation of depreciation of nuclear power construction	0.0	0.0	-0.0	57.8	
Extraordinary Income	128.6	_	128.6	_	
Extraordinary Loss	36.0	119.9	-83.8	—	
Income Tax, etc.	-0.0	15.4	-15.5	—	
Net Income attributable to non-controlling interests	0.1	0.1	-0.0	86.7	
Net Income attributable to owners of parent	148.0	1.1	146.9	_	

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(I Init Rillion Von)

		(Uni	<u>t: Billion Yen)</u>
FY2017	FY2016	Compa	arison
Apr-Jun (A)	Apr-Jun (B)	(A)-(B)	(A)/(B) (%)
1,325.8	1,287.8	37.9	102.9
1,313.3	1,264.9	48.3	103.8
1,245.5	1,210.3	35.2	102.9
1,035.2	1,064.4	-29.2	97.3
431.2	450.4	-19.1	95.8
603.9	614.0	-10.0	98.4
9.2	7.4	1.8	124.7
36.1	16.3	19.8	221.4
164.8	122.0	42.7	135.0
22.5	16.5	5.9	135.8
12.5	22.9	-10.3	54.8
	FY2017 Apr-Jun (A) 1,325.8 1,313.3 1,245.5 1,035.2 431.2 603.9 9.2 36.1 164.8 22.5 12.5	FY2017FY2016 Apr-Jun (A)Apr-Jun (A)Apr-Jun (B)1,325.81,287.81,313.31,264.91,245.51,210.31,035.21,064.4431.2450.4603.9614.09.27.436.116.3164.8122.022.516.512.522.9	FY2017FY2016CompaApr-Jun (A)Apr-Jun (B)(A)-(B)1,325.81,287.837.91,313.31,264.948.31,245.51,210.335.21,035.21,064.4-29.2431.2450.4-19.1603.9614.0-10.09.27.41.836.116.319.8164.8122.042.722.516.55.912.522.9-10.3

(Note) Total of TEPCO Holdings and three Core Operating Companies (after intercompany elimination)

Breakdown of Consolidated Ordinary Expenses

			(l	Jnit: Billion Yen)	
	FY2017	FY2016	Compa	arison	
	Apr-Jun (A)	Apr-Jun (B)	(A)-(B)	(A)/(B) (%)	
Ordinary Expenses	1,270.2	1,151.1	119.0	110.3	
Operating Expenses	1,245.7	1,121.3	124.3	111.1	
Operating Expenses for Electric Power Business	1,183.3	1,077.0	106.3	109.9	ר
Personnel	85.4	88.3	-2.8	96.8	
Fuel	277.0	227.8	49.1	121.6	
Maintenance	65.4	69.8	-4.4	93.7	
Depreciation	135.5	136.9	-1.3	99.0	(Noto)
Power Purchasing	277.1	222.4	54.6	124.6	(NOLE)
Taxes, etc.	72.3	72.1	0.2	100.3	
Nuclear Power Back-end	12.2	13.3	-1.1	91.5	
Others	258.1	246.0	12.1	104.9	
Operating Expenses for Incidental Business	21.2	11.2	9.9	188.6	J
Non-operating Expenses	24.5	29.7	-5.2	82.4	
Interest Paid	17.0	20.4	-3.3	83.5	
Other Expenses	7.5	9.3	-1.8	80.1	

(Note) Total of TEPCO Holdings and three Core Operating Companies (after intercompany elimination)

Salary and benefits (¥66.3 billion to ¥6.6 billion) - ¥3.6 billion Retirement benefits (¥4.4 billion to ¥6.6 billion) - ¥3.6 billion Retirement benefits (¥4.4 billion to ¥6.6 billion) - ¥3.6 billion Amortization of actuarial difference + ¥2.4 billion (-¥0.9 billion to ¥1.4 billion) (Unit Billion of Actuarial Difference> (Unit Billion Yen) Expenses FY2016 FY2016 FY2017 Amount Uncharged as of Jun. 30, 2017 In Apr-Jun FY2014 -3.1 - FY2014 -38.1 -12.7 -3.1 - FY2014 -38.1 -12.7 -3.1 - - FY2014 -38.1 -12.7 -3.1 - - - FY2015 26.6 8.8 2.2 6.6 - FY2016 -8.9 <th colsp<="" th=""><th>Personnel expens</th><th>ses (¥88.3 billion</th><th>n to ¥85.4 billior</th><th>1)</th><th></th><th></th><th></th><th>- ¥2.8 billion</th></th>	<th>Personnel expens</th> <th>ses (¥88.3 billion</th> <th>n to ¥85.4 billior</th> <th>1)</th> <th></th> <th></th> <th></th> <th>- ¥2.8 billion</th>	Personnel expens	ses (¥88.3 billion	n to ¥85.4 billior	1)				- ¥2.8 billion
Retirement benefits (¥4.4 billion to ¥6.6 billion) +¥2.1 billion Amortization of actuarial difference + ¥2.4 billion (-¥0.9 billion to ¥1.4 billion) (Unit Billion of Actuarial Difference> (Unit Billion Yen) Expenses / Provisions in Each Period Amount Uncharged Incurred FY2016 FY2017 Amount Uncharged Incurred Charged Of which charged Of which charged as of Jun. 30, 2017 FY2014 -38.1 -12.7 -3.1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	Salary and benefits	(¥66.3 billion to ¥62.	.6 billion)					- ¥3.6 billion	
Expenses / Provisions in Each Period (Unit Billion Yen) Expenses / Provisions in Each Period Amount Uncharged as of Jun. 30, 2017 FY2014 -38.1 -12.7 -3.1 - - - FY2015 26.6 8.8 2.2 8.8 2.2 6.6 FY2016 -8.9 -2.9 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -	Retirement benefits	(¥4.4 billion to ¥6.6	billion)					+¥2.1 billion	
(Unit Billion Yen) Expenses (Unit Billion Yen) Expenses FY2016 FY2017 Amount Uncharged as of Jun. 30, 2017 FY2014 38.1 12.7 3.1 FY2015 26.6 8.8 2.2 8.8 2.2 6.6 FY2016	Amortization of actu	uarial difference + ¥2.	4 billion (-¥0.9 billio	on to ¥1.4 billion)					
Expenses / Provisions in Each PeriodExpensesFY2016FY2017Amount UnchargedincurredChargedOf which chargedOf which chargedin Apr-JunFY2014-38.1-12.7-3.1FY201526.68.82.28.82.2FY2016-8.9-2.92.9-0.7	<amortizat< td=""><td>tion of Actuarial [</td><td>Difference></td><td>· · · · · · · · · · · · · · · · · · ·</td><td></td><td></td><td>(Unit Billion Yen)</td><td></td></amortizat<>	tion of Actuarial [Difference>	· · · · · · · · · · · · · · · · · · ·			(Unit Billion Yen)		
Expenses incurredFY2016 ChargedFY2017 Of which charged 			Expense	es / Provisions in Ea	ch Period				
incurred Charged Of which charged in Apr-Jun Charged Of which charged in Apr-Jun Of which charged in Apr-Jun as of Jun. 30, 2017 FY2014 -38.1 -12.7 -3.1 - - - - - FY2015 26.6 8.8 2.2 8.8 2.2 6.6 FY2016 -8.9 -2.9 - -0.7 -5.2		Expenses	FY2	2016	FY2	2017	Amount Uncharged		
FY2014 -38.1 -12.7 -3.1 - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - - -		incurred	Charged	Of which charged	Charged	Of which charged	as of Jun. 30, 2017		
FY2014 -38.1 -12.7 -3.1 - - - FY2015 26.6 8.8 2.2 8.8 2.2 6.6 FY2016 -8.9 -2.9 - -0.7 -5.2				in Apr-Jun	· · · · ·	in Apr-Jun			
FY2015 26.6 8.8 2.2 8.8 2.2 6.6 FY2016 -8.9 -2.9 -2.9 -2.9 -2.9 -5.2	FY2014	-38.1	-12.7	-3.1		· –	-		
FY2016 -8.9 -2.9 -2.9 -2.9 -2.9 -2.9 -0.7 -5.2	FY2015	26.6	8.8	2.2	8.8	2.2	6.6		
	FY2016	-8.9	-2.9	<u> </u>	-2.9	-0.7	-5.2		
Total -6.7 -0.9 -5.9 1.4 1.4	Total		-6.7	-0.9	-5.9	1.4	1.4		

Note: Actuarial gain and loss are amortized by the straight-line method over three years.

Fuel expenses (¥227.8 billion to ¥277.0 billion)	+¥49.1 billion
Consumption volume	Approx ¥17.0 billion
Decrease in thermal power generation	Approx ¥17.0 billion
Price	Approx. + ¥66.0 billion
Increase due to fluctuations of foreign exchanges	Approx. + ¥8.0 billion
Increase due to fluctuations of CIF crude oil price, and others	Approx. + ¥58.0 billion

Year-on-Year Comparison of Consolidated Ordinary Expenses - 2

14

Maintenance expenses (¥69.8 billion to ¥6	5.4 billion)		- ¥4.4 billion
Generation facilities (¥18.2 billion to ¥22.7 billion)			+¥4.5 billion
Hydroelectric power (¥1.1 billion to ¥1.7 billion)		+¥0.5 billion	
Thermal power (¥10.9 billion to ¥14.4 billion)	Main Factors for Increase/ Decrease	+¥3.5 billion	
Nuclear power (¥6.0 billion to ¥6.6 billion)	Thermal: Increase in expenses for repairs on turbine, and others	+¥0.5 billion	
Renewable energy (¥0.1 billion to ¥0.0 billion)		- ¥0.1 billion	
Distribution facilities (¥51.0 billion to ¥42.0 billion)			- ¥8.9 billion
Transmission (¥4.2 billion to ¥3.3 billion)	Main Factors for Increase/ Decrease	- ¥0.9 billion	
Transformation (¥3.3 billion to ¥2.3 billion)	Distribution : Decrease in expenses for replacement of conventional	- ¥0.9 billion	
Distribution (¥43.4 billion to ¥36.4 billion)	meters with smart meters, Decrease in expenses for	- ¥7.0 billion	
Others (¥0.5 billion to ¥0.5 billion)	repair work of distribution line, and others		- ¥0.0 billion

Depreciation expenses (¥136.9 billion to ¥135.5 billion)

Generation facilities (¥59.6 billion to ¥60.7 billion)	+¥1.0 billion
Hydroelectric power (¥5.7 billion to ¥5.5 billion)	- ¥0.1 billion
Thermal power (¥32.5billion to ¥31.1 billion)	- ¥1.3 billion
Nuclear power (¥21.1 billion to ¥23.7 billion)	+¥2.5 billion
Renewable energy (¥0.3 billion to ¥0.2 billion)	- ¥0.0 billion
Distribution facilities (¥74.9 billion to ¥72.8 billion)	- ¥2.0 billion
Transmission (¥35.2 billion to ¥33.4 billion)	- ¥1.8 billion
Transformation (¥13.5 billion to ¥13.2 billion)	- ¥0.3 billion
Distribution (¥26.0 billion to ¥26.1 billion)	+¥0.0 billion
Others (¥2.3 billion to ¥1.9 billion)	- ¥0.3billion

<Depreciation Breakdown>

	FY2016 Apr-Jun	\rightarrow	FY2017 Apr-Jun
Regular depreciation	¥135.4 billion		¥135.5 billion
Trial operations depreciation	¥1.4 billion		_

Power purchasing costs (¥222.4 billion to ¥277.1 billion)

Power purchased from other utilities (¥6.9 billion to ¥9.2 billion)

Power purchased from other suppliers (¥215.5 billion to ¥267.9 billion)

+¥54.6 billion	
+¥2.3 billion	

+¥52.3 billion

- ¥1.3 billion

Year-on-Year Comparison of Consolidated Ordinary Expenses - 3

Taxes and other public charges (¥72.1 billion to ¥72.3 billion)	+¥0.2 billion
Enterprise tax (¥12.6 billion to ¥12.0 billion)	- ¥0.5 billion
Charge for occupancy of roads (¥6.8 billion to ¥7.2 billion)	+¥0.4 billion
Nuclear power back-end costs (¥13.3 billion to ¥12.2 billion)	- ¥1.1 billion
Expenses for contribution of reprocessing of irradiated nuclear fuel (¥ - billion to ¥7.6 billion)	+¥7.6 billion
Expenses for reprocessing of irradiated nuclear fuel (¥8.0 billion to ¥ - billion)	- ¥8.0 billion
Expenses for preparation of reprocessing of irradiated nuclear fuel (¥0.7 billion to ¥ - billion)	- ¥0.7 billion
Decommissioning costs of nuclear power units (¥4.6 billion to ¥4.6 billion)	- ¥0.0 billion

*Revision of the Accounting Rule for the Electricity Business was enforced on October 1, 2016. Accordingly, account titles of "Expenses for reprocessing of irradiated nuclear fuel" and "Expenses for preparation of reprocessing of irradiated nuclear fuel" was newly-organized.

Other expenses (¥246.0 billion to ¥258.1 billion)		+¥12.1 billion
 Payment on Act of Renewable Electric Energy (¥100.6 billion to ¥120.4 billion) Miscellaneous expenses (¥4.3 billion to ¥5.9 billion) Rental expenses (excluding charge for occupancy of roads) (¥28.0 billion to ¥27. Promotion expenses (¥6.0 billion to ¥1.4 billion) Commission expenses (¥54.1 billion to ¥48.6 billion) Contribution to Nuclear Damage Liability Facilitation Fund (¥14.1 billion to ¥14.1 	.1 billion) Main Factors for Increase/ Decrease Payment on Act of Renewable Electric Energy: Increase in renewable power promotion surcharge Commission expenses: Decrease in commission expenses for receiving claim for nuclear damage compensation, and others billion)	+¥19.8 billion +¥1.6 billion -¥0.8 billion -¥4.5 billion -¥5.5 billion
Incidental business operating expenses (¥11.2 billion to ¥21.2	2 billion)	+¥9.9 billion
Gas supply business (¥9.8 billion to ¥19.9 billion) <u>Main Factors</u>	s for Increase/ Decrease	+¥10.1 billion
Interest paid (¥20.4 billion to ¥17.0 billion)	business : Increase in costs of raw materials due to increase in LNG sales, and others	- ¥3.3 billion
Decrease in average rate during the period (1.26% to 1.14%) [T otal of four compa	nies]	- ¥1.1 billion
Decrease in the amount of interest-bearing debt (¥6,318.6 billion to ¥6,126.7 billio	n) [T otal of four companies]	- ¥2.1 billion
Other non-operating expenses (¥9.3 billion to ¥7.5 billion)		- ¥1.8 billion
Bond issuance cost (¥1.1 billion to ¥0.1 billion)		- ¥0.9 billion



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Financial Impact of the Great East Japan Earthquake

ltem	FY2010 to FY2016	FY2017 Apr-Jun	Cumulative Amount
♦ Grants-in-aid from Nuclear Damage Compensation and Decommissioning Faci	litation Corporation	1	
OGrants-in-aid based on Nuclear Damage Compensation and Decommissioning Facilitation Corporation Act	^{*1} 6,651.3	128.6	^{*2} 6,780.0
Note: Journal Entry: Grants-in-aid receivable from Nuclear Damage Compensation and Decommissioning Facilitation Corporation *1 Numbers above are those after deduction of a governmental indemnity of 188.9 billion yen, and Grants-in-aid corresponding t *2 Numbers above are those after deduction of a governmental indemnity of 188.9 billion yen, and Grants-in-aid corresponding t	is debited on the balance she o decontamination expenses o decontamination expenses	eet. of 1,526.0 billion yen re: of 2,735.7 billion yen re:	spectively. spectively.
◆Loss on Disaster			
Expenses and/ or losses for Fukushima Daiichi Nuclear Power Station Units 1 through 4	1,025.9	-2.0	1,023.8
● Other expenses and/ or losses	387.0	-0.1	386.9
◆Loss on Disaster Sub Total: (A)	1,412.9	-2.1	1,410.8
\diamond Gain on reversal of provision for loss on disaster (Extraordinary Income): (B)			
Difference of the restoration cost caused by re-estimation due to decommissioning of Fukushima Daiichi Nuclear Power Station Units 5 and 6	32.0	-	32.0
Total: (A)-(B)	1,380.9	-2.1	1,378.7
◆Loss on Decommissioning of Fukushima Daiichi Nuclear Power Station Units 5	and 6		
Expenses and/ or losses for decommissioning of Fukushima Daiichi Nuclear Power Station Units 5 and 6	39.8	_	39.8
• Expenses for Nuclear Damage Compensation	· ·		
 Compensation for individual damages Expenses for radiation inspection, Mental distress, Damages caused by voluntary evacuations, and Opportunity losses on salary of workers etc. 	2,141.8	3.5	2,145.3
 Compensation for business damages Opportunity losses on businesses, Damages due to the restriction on shipment, Damages due to groundless rumor, Package compensation and Indirect business damages etc. 	2,847.5	35.4	2,882.9
Other expenses			
 Damages due to decline in value of properties, Housing assurance damages, Decontamination costs and Contribution to the Fukushima Pref. Nuclear Accident Affected People and Child Health Fund etc. 	3,474.8	1,206.7	4,681.5
 Amount of indemnity for nuclear accidents from the Government 	-188.9	—	-188.9
Grants-in-aid corresponding to decontamination expenses	-1,526.0	-1,209.6	-2,735.7

				(Unit: Billion Yen)	<interest-bearin< th=""><th>Jnit: Billion Yen)</th></interest-bearin<>	Jnit: Billion Yen)		
	Jun. 30	Mar. 31	Compa	rison		Jun. 30	Mar. 31	
	2017 (A)	2017 (B)	(A)-(B)	(A)/(B) (%)		2017 (A)	2017 (B)	(A)-(B)
Total Assets	12,056.9	12,277.6	-220.6	98.2	Bonds	3,028	.1 3,205.9	-177.8
Fixed Assets	10,215.8	10,293.8	-78.0	99.2	Long-term Debt	1,896.	.8 1,938.8	-41.9
Current Accests	1 0 1 1 1	4 000 7	110 0	00.0	Short-term Deb	t 1,195.	.1 860.1	335.0
Current Assets	1,841.1	1,983.7	-142.0	92.8	Total	6,120	.1 6,004.9	115.1
Liabilities	9,586.5	9,928.9	-342.3	96.6		.	\$	2
Long-term Liability	5,701.7	6,117.9	-416.2	93.2		FY2017	FY2016	(A) (D)
Current Liability	3 878 1	3 804 3	73.8	101 0		Apr-Jun (A)	Apr-Jun (B)	(A)-(D)
	5,070.1	5,004.5	10.0	101.3	ROA(%)	0.6	1.1	-0.5
Reserves for Preparation of the Depreciation of Nuclear Plants Construction	6.6	6.6	0.0	100.7	ROE(%)	6.2	0.1	6.1
Not Accote	2 /70 3	2 3/8 6	101 7	105.2	EPS(Yen)	92.42	0.71	91.71
Net A35et3	2,470.5	2,340.0	121.1	103.2	ROA: Operating	Income / Average T	otal Assets	
Shareholders' Equity	2,474.2	2,329.0	145.1	106.2	ROE: Net Incom	e (attributable to ow r	ers of parent) / Averaç	ge Equity Capital
Accumulated other comprehensive income	-9.1	14.3	-23.5					
Non-controlling interests	5.3	5.2	0.0	101.8				



				Unit: Billion Yer	
		FY2017	17 FY2016 Comp		rison
		Apr-Jun (A)	Apr-Jun (B)	(A)-(B)	(A)/(B)
Operating Revenue		1,313.3	1,264.9	48.3	103.8
	Holdinge	202.1	231.1	-28.9	87.5
	Holdings	11.4	15.5	-4.1	73.4
	Fuel 9 Dewer	382.3	417.4	-35.0	91.6
	ruel & Power	4.2	7.6	-3.3	56.3
	Dowor Crid	396.8	368.7	28.0	107.6
	Fower Grid	77.0	52.3	24.6	147.1
	En array Darta ar	1,258.0	1,205.8	52.1	104.3
	Ellergy Partiel	1,220.6	1,189.4	31.1	102.6
	Adjustments	-925.9	-958.1	32.1	_
Ord	inary Income	55.6	136.7	-81.1	40.7
	Holdings	146.5	38.6	107.8	379.3
	Fuel & Power	1.6	103.9	-102.2	1.6
	Power Grid	22.1	15.7	6.4	140.8
	Energy Partner	10.4	-22.0	32.5	_
	Adjustments	-125.2	0.4	-125.6	_

Note1: The lower row in Operating Revenue section represents revenue from external customers.

Note2: We set four segments; "Holdings" "Fuel & Power" "Power Grid" and "Energy Partner," according to its business operations.

[Reference] Key Factors Affecting Performance and Financial Impact

n	ſ	١	
۷	l	J	

(Unit Billion Yen)

[Reference]

FY2016 Full-year Actual Performance

Approx. 17

Approx. 10

Approx. 1

Approx. 21

Projections

(As of May 11

Approx. 16

Approx. 11

Approx. 1

Approx. 28

Key Factors Affect	ing Pe	rformanc	e			Financial Impact (Sensitivit	y)	
		FY2017		【Refere	ence】	FY2017			
	Apr-Jun	Full-year F	Projections	FY2016 Actual	Performance		Full-year P	roje	
	Results	(As of Jul. 28)	(As of May 11)	Apr-Jun	Full-year		(As of Jul. 28)	(As	
Electricity Sales Volume (billion kWh)	54.3	235.2	234.9	56.3	241.5				
Crude Oil Prices (All Japan CIF; dollars per barrel)	53.4	Approx. 54	Approx. 55	41.1	47.5	Crude Oil Prices (All Japan CIF; 1 dollar per barrel)	Approx. 16	A	
Foreign Exchange Rate (Interbank; yen per dollar)	111.1	Approx. 114	Approx. 115	108.1	108.4	Foreign Exchange Rate (Interbank; 1 yen per dollar)	Approx. 11	A	
Flow Rate (%)	93.2	Approx. 98	Approx. 100	90.4	94.2	Flow Rate (1%)	Approx. 1		
Nuclear Power Plant Capacity Utilization Ratio (%)		-	-	-	-	Nuclear Power Plant Capacity Utilization Ratio (1%)	-		
						Interest Rate (1%)	Approx. 28	A	
								-	

Note: Crude oil prices, foreign exchange rate, flow rate and nuclear power plant capacity utilization ratio of financial impact reflect the impact on annual fuel expenses. Interest rate reflects the incremental amount of interest.

< Fluctuation of All Japan CIF>



[Reference] Seasonal Breakdown of Electricity Sales Volume and Total Power Generated

21

Electric	ity Sales V	olume		Unit: Billion kWh	
		FY	2017		
	Apr	May	Jun	Apr-Jun	
Lighting	7.17	5.75	4.91	17.83	
Power	12.12	11.80	12.51	36.43	
Total	19.29	17.55	17.42	54.27	
		FY	2016		[Ref.]Year-on-year
	Apr	May	Jun	Apr-Jun	Comparison (Apr-Jun)
Lighting	7.27	6.12	5.56	18.95	94.1%
Power	12.22	11.72	13.39	37.33	97.6%
Total	19.48	17.84	18.96	56.28	96.4%

Total Power	Generate	d	l	Unit: Billion kWh	
		FY2	2017		
	Apr	May	Jun	Apr-Jun	
Hydroelectric	1.02	1.20	1.03	3.25	
Thermal	13.64	12.69	13.15	39.47	
Nuclear	0.00	0.00	0.00	0.00	
Renewable etc.	0.01	0.00	0.01	0.02	
Total	14.67	13.89	14.18	42.73	
		FY2	1 1	[Ref.]Year-on-year	
	Apr	May	Jun	Apr-Jun	Comparison (Apr-Jun)
Hydroelectric	1.00	1.00	0.82	2.82	115.3%
Thermal	13.87	13.72	14.95	42.53	92.8%
Nuclear	0.00	0.00	0.00	0.00	_
Renewable etc.	0.01	0.01	0.01	0.02	89.9%
Total	14.87	14.73	15.77	45.37	94.2%
	-				

[Reference] Fuel Consumption

Fuel Consumption Data

	FY2014 Actual	FY2015 Actual	FY2016 Actual	FY2017 Apr-Jun	【Reference】 FY2016 Apr-Jun
LNG(million tons)	23.49	21.55	21.06	4.20	4.66
Oil (million kl)	3.10	2.48	2.05	0.13	0.51
Coal (million tons)	7.53	8.34	8.14	2.14	1.82

Note: The oil data is total of crude oil and heavy oil, not including gas oil.

Fuel Procurement

Oil				LNG				Coal			
Crude Oil		(Unit	thousand kl)			(Uni	t thousand t)			(Uni	it:thousand t)
	FY2014	FY2015	FY2016		FY2014	FY2015	FY2016		FY2014	FY2015	FY2016
Indonesia	473	464	49	Brunei	2,230	1,940	2,095	Australia	5 903	6 745	5.66
Brunei	-	-	-	Das	4,972	4,986	4,683	Indonesia	1 / 58	1 402	1 02
Vietnam	-	-	-	Malaysia	2,750	3,220	3,086		1,400	1,402	1,92
Australia	90	-	-	Papua New Guinea	403	1,604	1,558	Colombia	-	-	17
Sudan	20	41	-	Australia	297	305	300	USA	38	191	13
Gabon	62	-	-	Qatar	1,142	1,156	1,275	Russia	-	210	
Chad	61	111	-	Darwin	2,129	2,304	2,356	Canada	55	-	
Other	0	0	0	Qalhat	548	428	500	Total imports	7,454	8,548	7,90
Total imports	706	616	49	Sakhalin	2,262	2,010	1,491				
				Indonesia	-	-	57				
Heavy Oil		(Unit	thousand kl)	Spot and short term contract	8,023	4,934	4,965				
	FY2014	FY2015	FY2016	Total imports	24,754	22,887	22,366				
Total imports	2,440	1,540	1,578								-

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5,667 1,920 178 136

7,901

[Reference] Feed-in Tariff Scheme for Renewable Energy (Purchase Cost Collection Flow)



*1 TEPCO Power Grid, Incorporated (islands), TEPCO Energy Partner, Incorporated (excluding islands) *2 Including TEPCO Group Companies

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(FY 2017 Apr.- Jun.)



[Reference] Schedules for Public Bond Redemption



Note: The amount redeemed for Apr.- Jun. of fiscal 2017 totaled 50.0 billion yen.

24

The Current Status of Fukushima Daiichi Nuclear Power Station and Future Initiatives



Current Situation and Status of Units 1 through 4

- At Units 1, 2 and 3, it was evaluated that the comprehensive cold shutdown condition had been maintained, judging from the temperatures of the reactors and spent fuel pools as well as the density of radioactive materials. To facilitate the removal of spent fuel, preparation works are underway.
- To formulate the removal of fuel debris, investigation of the inside of Reactor Pressure Vessel and Primary Containment Vessel was planned and is underway.



Overview of the Mid-to-long Term Roadmap towards the Decommissioning of Fukushima Daiichi Nuclear Power Station - 1

- TEPCO, jointly with the national government, released "Mid-to-long Term Roadmap towards the Decommissioning of Fukushima Daiichi Nuclear Power Station Units 1 through 4" in December, 2011. Based on the continually-revised Roadmap, TEPCO, jointly with the national government, is advancing its efforts to maintain the units' stabilization and to decommission them in safe.
- In June 2015, the third revision was made.
- Decommissioning is expected to complete in 30 to 40 years from completion of Step2 (in December 2011), "Release of radioactive materials is under control and radiation doses are being significantly held down".
- < Main Points of the third revision >
 - 1. Emphasize on risk reduction
 - 2. Make target process (milestone) clear
 - 3. Strengthen trusting relationship with local people and others by thorough disclosure of information
 - 4. Further reduction of the workers' exposure dose level, and to strengthen the management of the workers' safety and health environment
 - 5. Enhancement of the role of Nuclear Damage Compensation and Decommissioning Facilitation Corporation in the strategy of decommissioning technologies
- < Target process of removal of fuel and fuel debris of each unit > Removal of fuel from spent fuel pool

Start at Unit 1	FY2020
Start at Unit 2	FY2020
Start at Unit 3	FY2017

Removal of fuel debris

Decision on policy for each Unit	Around FY2017
Determination of methods for the first Unit	First half of FY2018
Start of the removal at the first Unit	The end of 2021

Source: Cabinet and other meetings concerning decommissioning and contaminated water countermeasures (June 12, 2015) ©Tokyo Electric Power Company Holdings, Inc. All Rights Reserved.

Overview of the Mid-to-long Term Roadmap towards the Decommissioning of Fukushima Daiichi Nuclear Power Station - 2

<Main target process of the Decommissioning>

Aroa	Previous	Future efforts							
Alea	efforts		Phase 2 (until commencement of fuel debris rmoval)					Phase 3 (until decommissioning completed)	
		~FY2015	FY2016 FY2017	FY2018	FY2019 I	FY2020		Completion of Phase 2 (December 2021)	
Contaminated	water measures								
Eliminate	ALPS cleanup of contaminated wa	ter etc	Complete further reductions	s in effective do ons for determin	ose along perimeter bound ing long-term handling o	dary down to 1m of ALPS treated v	nSv/year water		
Isolate	Pump up ground via groundwater I	water vater vater	Complete freezing closure	e of impermeable / into buildings 1	a land-side wall / complete to less than 100m3/day	e facing of over	90% of plar	nned area	
Prevent leakage	Increase tanks et	c	∀ Store all water trea	ated for high-leve	el contamination in welded	d tanks			
Complete of Retained water processing	Surveys of retain in buildings etc	ed water	Lower building water level clean up and remove retain	/ sever from rec ned water	circulating cooling water I ∇ Halve the quantit	line / Co ty of radioactive	omplete trea materials	atment of water retained inside buildings in retained water	
Fuel removal	Removal completed	at Unit 4 (Dec. :	2014)]				Determine	methods for treating and storing the fuel removed	
Unit 1	Building cover di	smantled etc	Remove larg	ge rubbles etc	Install cover etc	c R	emove fue		
	Preparation work		Disassemble and renovate uppe	er part of buildings					
Unit 2	Du of ar	etermine scope disassembly ad renovation	y Select plan	Plan (1) Plan (2)	Install containers etc Install cover etc	Remov Remove	ve fuel fuel		
Unit 3	Remove large rub	oblesetc	Install cover etc	Remove fuel					
uel debris		Determine re	emoval policy 🗸	\bigtriangledown	Finalize removal method	for initial unit	$\overline{\vee}$	Commence removal at initial unit	
Removal	Ascertain status in	side reactor co	ntainment vessel/ review m	ethods for remo	oving fuel debris etc			Remove fuel debris / review treatment and disposal methods etc	
Naste materia	I measures								
•	Store according t	o dose rate	Implement storage ma	nagement in ac	cord with storage	rv			
Storage management	storage managen	nent plan etc	& treatment calcinater	V LICCI		·			
Storage management Processing /	storage managen	nent plan etc	& treatment calcinater	\ Coord	linate basic approach to t	reatment and dis	sposal	Conduct technical revision of treatment and dispos	

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Contaminated Water Management

- In December 2013, the government's Nuclear Disaster Response Headquarters arranged a set of preventative and multi-tiered measures based on the three basic policies for addressing contaminated water issues.
- Based on the result of evaluation of the effect of closure of the land-side impermeable walls, that is one of the measures to "Isolate water from contamination," an application for change in the implementation plan to completely close the land-side impermeable walls was submitted on June 26.

<Main countermeasures>

1. Eliminate contamination sources

- Multi-nuclide removal equipment, etc.
- · Remove contaminated water from the trench

2. Isolate water from contamination

- Pump up groundwater for bypassing
- Pump up groundwater near buildings
- ·Land-side frozen impermeable walls
- Waterproof pavement

3. Prevent leakage of contaminated water

- Enhance soil by adding sodium silicate
- · Sea-side impermeable walls
- Increase the number of (welded-joint) tanks

Subdrain operation	
Groundwater pumped up through wells near reactor building (Subdrain system) are dis dedicated facilities and quality test. (As of July 23, 2017, 3:00pm, the total volume of ground and ground test.)	charged after purification by ndwater discharged is 369,981t) .
Land-side frozen impermeable walls Regarding 7 unfrozen sections at the mountain side, freezing started in two sections from four sections from March 3, 2017, except for one unfrozen section. Variation in the ground remaining single unfrozen section would be closed was evaluated. As the latest status of water volume and groundwater levels showed the effects of measures to improve the sub-	m December 3, 2016, and dwater level when the building inflow, pumped-up drain reliability and closure of
the land-side impermeable walls, water levels was expected to be stably manageable after	r the complete closure.
Sea-side impermeable walls ➢ On Oct. 26, 2015, the seaside impermeable walls was completed to be closed. Removal of contaminated water in trenches ➢ On Dec. 21,2015, the removal of contaminated water in seawater piping trench of Unit completed. As a consequence, the removal of about 10,000t of contaminated water in tre completed. Groundwater	4 and filing up of trench were nches of Unit 2-4 was Sea-side
ter Groundwater levels	impermeable wall O water ng trench O
groundwater Upper permeable layer Low-permeable layer	ea Groundwater ve drain • •••••••••••••••••••••••••••••••••••
S groundwater Lower permeable layer	

The Current Status of Kashiwazaki-Kariwa Nuclear Power Station and Future Initiatives



Main Measures to Secure Safety – 1 [Outline]

We promote the following measures to secure further safety after the Great East Japan Earthquake.



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29

Main Measures to Secure Safety - 2 [Implementation Status]

2	Y	h	
J		J	

TEPCO

	As of July 13, 2017							
ltem	Unit 1 Unit 2 Unit 3 Unit 4 Unit 5				Unit 6	Unit 7		
I . Installation of flooding embankment [banks]	Completed Completed							
${\rm I\!I}$. Countermeasures against inundation into buildings								
(1) Installation of tide embankments (flood barrier panel included)	Completed Completed Completed All closed under					under 15 meters above	nder 15 meters above sea level	
(2) Installation of water tight doors on reactor buildings, etc.	Completed	Under consideration	Under construction	Under consideration	Completed	Completed	Completed	
(3) Countermeasures against inundation into heat exchanger buildings	Completed	Completed	Completed	Completed	Completed	-	-	
(4) Installation of tide barriers for switching stations*1	Completed							
(5) Reliability improvement of inundation countermeasures (countermeasures against flooding inside buildings)	Under construction	Under consideration	Under construction	Under consideration	Under construction	Under construction	Under construction	
${\rm I\!I\!I}$. Further enhancement of heat removal and cooling function								
(1) Installation of water source	Completed							
(2) Installation of storage water barrier	Completed	Under consideration	Under consideration	Under consideration	Completed	Completed	Completed	
(3) Additional installation of air-cooling gas turbine power generation cars	Completed				Under construction			
(4)-1 Installation of high voltage power distribution board for emergency	Completed							
(4)-2 Installation of permanent cables for reactor buildings	Completed	Completed	Completed	Completed	Completed	Completed	Completed	
(5) Installation of alternative submerged pumps and seawater heat exchanging system	Completed	Completed	Completed	Completed	Completed	Completed	Completed	
(6) Installation of alternative high pressure water injection system	Under construction	Under consideration	Under consideration	Under consideration	Under construction	Under construction	Under construction	
(7) Installation of aboveground filter vent	Under	Under consideration	Under consideration	Under consideration	Under	Termination of performance test*2	Termination of performance test*2	
(8) Installation of top venting on reactor buildings*1	Completed	Completed	Completed	Completed	Completed	Completed	Completed	
(9) Installation of hydrogen treatment system in reactor buildings	Completed	Under consideration	Under consideration	Under consideration	Completed	Completed	Completed	
(10) Installation of facilities to fill water up to the top of containment vessels	Completed	Under consideration	Under consideration	Under consideration	Completed	Completed	Completed	
(11) Additional environment monitoring equipment and monitoring cars	Completed							
(12) Installation of warehouses for emergency on high ground*1	Completed							
(13) Improvement of earthquake resistance of pure water tanks on the Ominato side*1	- Completed							
(14) Installation of large-capacity water cannons, etc.	Completed							
(15) Multiplexing and reinforcing access roads	Completed Under construction							
(16) Environmental improvement of the seismic isolated building	Under construction							
(17) Reinforcement of the bases of transmission towers*1 and earthquake resistance of the switchboards*1	Completed							
(18) Installation of tsunami monitoring cameras	Under construction Completed							
(19) Installation of Coriumu Shield	Under consideration	Under consideration	Under consideration	Under consideration	Under consideration	Completed	Completed	

*1 TEPCO's voluntary safety measures *2 Peripheral works are ongoing

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Latest Review Status

- On September 27, 2013, an application was presented requesting verification of compliance with new regulatory requirements for Units 6 and 7.
- After the compliance verification application was presented, an amended application for revision of the reactor installation license, which reflects changes sought in the review meetings held, was submitted to the Nuclear Regulation Authority on June 16, 2017.
 - →Currently, the Secretariat of the Nuclear Regulatory Authority is discussing the amended application that was submitted.

Extended Outlook through Installation License

(Shortest previous case was three months from the amended application until permit issued)

- Secretariat of the Nuclear Regulatory Authority prepares review documents
 - \Rightarrow Public comments solicited (1 month)
 - ⇒ Amended documents based on comments are resubmitted
 - \Rightarrow Permit issued

• Because this is the first BWR unit, it is likely that the Secretariat of the Nuclear Regulatory Authority will require time to respond to the public comments



31

Compliance Review under the New Regulatory Requirements - 2

<Review Process>



Other Initiatives

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<Cost reduction>

- In addition to the cost reductions that has been made under the New Comprehensive Special Business Plan (TEPCO *1 : ¥4.8 trillion/10 years), TEPCO will execute, under the Revised New Comprehensive Special Business Plan, unprecedented and recurrent streamlining of operations that includes "kaizen-centered doubling of productivity" and "use of digitalized technologies for bold technological and operational innovation" to be sure to achieve ¥1 trillion in even deeper cost reductions of over 10 years.
- Our entire group is working together toward achieving the FY2017 cost reduction targets of ¥702.1 billion at TEPCO and ¥61.9 billion at our subsidiaries and affiliates so as to achieve the goals set under the Revised New Comprehensive Special Business Plan.
- <Asset disposal>
- Accumulated grand total of FY2011 to FY2013 regarding disposal of real estate, securities and subsidiaries & affiliated companies, which was the target set in the previous Comprehensive Special Business Plan, was achieved. Maximum efforts will continue to be made aiming most efficient business operation.

	FY2016	FY2017			
	Actual	Plan ^{*3}	Projections		
TEPCO ^{*1}	767.3 billion yen	702.1 billion yen	_		
Subsidiaries & Affiliated Companies	66.6 billion yen	61.9 billion yen	_		

<Streamlining Policy (Cost Reduction)*2>

*1 TEPCO means Tokyo Electric Power Company Holdings, Inc., TEPCO Fuel & Power, Inc., TEPCO Power Grid, Inc. and TEPCO Energy Partner, Inc.

*2 Cost reductions given in the table were calculated using the pre-earthquake plan as the basis (same as the New Comprehensive Special Business Plan).

*3 FY2017 targets reflect deep cost reductions to be achieved through kaizen, technological and operational innovation and other efforts in addition to the New Comprehensive Special Business Plan.

Efforts towards Nuclear Reform - 1

- Framework for Nuclear Reform

- Since April 2013, TEPCO has advanced the Nuclear Safety Reform Plan so that it may realize its determination that "the Fukushima nuclear accident will never be forgotten and we will be a nuclear operator which continues to create unparalleled safety and increase the level of that safety to be greater today than yesterday and still greater tomorrow than today."
- TEPCO reports the state of progress of the Reform Plan to the Nuclear Reform Monitoring Committee, which approved the Reform Plan, on a regular basis. At the Nuclear Reform Monitoring Committee meeting held on January 30, 2017, the Committee pointed out, as a result of the committee's review of TEPCO's self-assessment of the Reform Plan, that alignment of the activities for the organization as a whole and the lack of developed internal communication required for that is a weakness. The Reform Plan is steadily implemented on the basis of the initiatives proposed by the Committee.

<Framework for Nuclear Reform>

		Воа	ard of Dired	ctors		
		Advice	• † s	Suggestion		
	Nuclear Reform Monitoring Committee (Established in September, 2012) Monitoring and supervising efforts of nuclear reform, then reporting and suggesting to the Board of Directors					
	Dale Klein, Chairman (former Chairman of the U.S. Nucle Barbara Judge, Vice Chairman (former Chairman of the U Masafumi Sakurai, committee member (former member o Supervise/N	ar Regulatory I.K. Atomic E f the Nationa Ionitor	y Commission) Inergy Authority) Il Diet of the Jap	an Fukushima Nuclea Report	ar Accident Independent Investigation Commission)	
<u>Nuclear Safety Oversight Office</u> (Established in May, 2013) On April 1,2015, the Nuclear Safety Oversight Office, which reports to the Board of Directors, was reorganized so that it now reports directly to the President. Dealing with nuclear safety through supervising and consulting activities, but from a much closer position to the front line of nuclear plants, and also involving more directly with the decision-making process on nuclear safety.		Nuclear Reform Special Task Force (Established in September, 2012) Implementing nuclear reform under the supervision of the Committee.		cial Task Force tember, 2012) reform under the nmittee.	Social Communication Office (Established in April, 2013) Instilling corporate behaviors sensitive to social standards throughout TEPCO and promoting prom- and appropriate information disclosure through rou- collecting and analyzing information on potential ris	
		Nuclear Power & Plant Siting Division				
An internal ent	Fukushima Daiichi Decontamination & tity established for the purpose of clarifying the re- water	Decommi sponsibilitie	issioning En es allocation a	gineering Comp and focusing sole	any (Established in April, 2014) ly on handling of decommissioning and	
Positioning "C	hief Decommissioning Officer (CDO)" as Compan e experienced executives invited from nuclear po	y Presiden wer manuf	it. acturers to th	e Vice President.	In addition, as of June 30.2015, Yoshikazu Mu	urabe.

Assian a managing director at the Japan Atomic Power Company, was brought in to serve as Senior Vice President and his responsibilities will focus on waste measures, maintaining safety at Units 5 & 6, radiation & chemical management among other duties.

Efforts towards Nuclear Reform – 2 - Report on Status of the Nuclear Safety Reform Plan

The Nuclear Safety Reform Plan consists of 6 measures that compensate for the lack of "safety awareness", "technological capability" and "dialogue-promoting capability" which are the underlying contributors for accidents and aim for improving them. We have been implementing initiatives to strengthen the governance for the organization as a whole which was recognized as a "weakness" as a result of the self-assessment.
Insufficient handling by TEPCO of New Regulatory Requirement compliance reviews at the Kashiwazaki-Kariwa Nuclear Power Station has resulted in a breakdown of trust with society as a whole. TEPCO will ensure that countermeasures are carried out in order to improve the awareness of employees in the Nuclear Power Division and continually confirm that its actions prioritize the local community and consider the perspective of society, while at the same time proactively identifying new issues and engaging in undying efforts to make improvements.

Countermeasures	Recent Principal Activities ([Resource] Nuclear Safety Reform Plan Progress Report released on May. 10, 2017)
Strengthening the Governance	• Clearly state an ideal vision of how individuals should interact with the organization thereby enabling them to engage in their duties while having a common understanding of the final objective and each other's roles.
Reform from Top Management	 Initiatives to repeatedly reflect upon the Fukushima Nuclear Accident (Direct dialogue with the General Manager of the Nuclear Power and Plant Siting Division, lectures by those people that actually handled the accident, group discussions, etc.) Communicating with contractors (Representatives of head office management are visiting power station contractors to exchange opinions.)
Enhancement of Oversight and Support for Management	 Monitoring and assessment by the Nuclear Safety Oversight Office (The Nuclear Safety Oversight Office is focusing on improving risk awareness and introducing basic actions.) Enhancing management observation (MO) (Employees engaging in MO participated in a lecture by overseas experts.)
Enhancement of Ability to Propose Defense-in-Depth	 10 of the 286 submissions for the sixth competition to improve the ability to make safety proposals, which is held to revitalize activities to voluntarily improve safety, were selected as excellent proposals. Important operating experience (OE) study sessions are being held at the Head Office and power stations in order to understand overviews of severe accidents and the lessons learned from the accidents.
Enhancement of Risk Communication Activities	• Promote the disclosure of information and benchmarking concerning safety measures at the Kashiwazaki-Kariwa NPS and the decommissioning of the Fukushima Daiichi NPS. (Field visit to Fukushima Daiichi NPS by members of the Football Association of Japan etc., a "TEPCO Newsletter" is being included in newspapers to convey the efforts of the Niigata Headquarters, the Fukushima-West Cumbria Study, which was started to enable Sellafield Ltd. in the UK and TEPCO to learn from each other about reactor decommissioning, continues.)
Enhancement of the Emergency Response Capability of Power Stations and the Head Office	 Training was held on earthquake-induced simultaneous disasters at the Fukushima Daiichi NPS, Fukushima Daini NPS and Head Office. The effectiveness of mechanisms that enable the Head Office to ascertain and share information on the impact of radiation, and reflect this information in countermeasures, was examined. Training on transferring operations to the Unit 5 TSC at Kashiwazaki-Kariwa was held.
Development of Personnel for Enhancing Nuclear Safety	 Preparations are underway to establish a Nuclear Engineering Center for enhancing the technological capability of the organization, and in particular engineering fields. Training was held to reaffirm the roles and mission of middle management (General Managers/Group Managers class) and accelerate nuclear safety reforms.



<TEPCO Holdings>

- May 17, 2017: Launch of "neighborhood watch using IoT technology" in Tokyo's Shibuya ward (in cooperation with the local government, the program aims to provide a safe and secure living environment for senior citizens and children)
- July 10, 2017: Launch of a direct electric power trading platform together with Innogy, a German energy company (electricity trading business is launched in Germany using cutting-edge information technology)

<TEPCO Fuel & Power>

- June 5, 2017: Greater efficiency achieved at Futtsu Thermal Power Station Group 1 Unit 1 (work completed on replacing the gas turbine and other equipment to reduce fuel costs and CO2 emissions)
- June 8, 2017: Joint-venture agreement concluded with Chubu Electric Power Co., Inc. on integration existing thermal power generation businesses
- June 22, 2017: Hitachinaka Thermal Power Station began to generate power through combustion of mixed fuel using woody biomass fuel (renewable energy introduced to reduce CO2 emissions and fossil fuel consumption)
- July 13, 2017: Joint construction and effectiveness confirmed of high-precision detection model for coal-fired thermal power plants (cooperative partnership to optimize power plant operation with Mitsubishi Hitachi Power Systems, Ltd.)
- July 26, 2017: Greater efficiency achieved at Yokohama Thermal Power Station Group 7 Unit 3 (work completed on replacing the gas turbine and other equipment to reduce fuel costs and CO2 emissions)

<TEPCO Power Grid>

- May 23, 2017: Joint planning and development begun on information distribution and other projects using ground power distribution equipment with TEPCO Town Planning Co., Ltd., Panasonic Corporation, and Panasonic System Solutions Japan Co., Ltd.
- May 23, 2017: Joint verification testing begun with Dai Nippon Printing Co., Ltd. and Asahi Shimbun on "Ueno Vision," a digital signage service utilizing ground power distribution equipment (June 2017-)
- June 20, 2017: Joint verification testing begun with Daiwa Living Management Co., Ltd. on construction of an IoT energy management system for realization of a comfortable living environment in rental housing (August 2017-)
- June 20, 2017: Basic agreement signed with Informetis Co., Ltd. on a business alliance for realizing services utilizing an IoT platform to collect, store and process internal accommodation unit data
- July 3, 2017: Establishment of TEPCO IEC, Inc. (aim is to export infrastructure systems)
- July 6, 2017: Joint verification begun with Tokyo Electric Power Company Holdings, Inc. and Via Science, Inc., a venture company in the United States using AI to analyze big data, on predicting deterioration of transmission equipment
- July 14, 2017: Verification project begun on common infrastructure systems aimed at the construction of virtual power plants with Kansai Electric Power Company, Inc.

July 18, 2017: SITE LOCATOR service commenced with JTOWER, Inc. aimed at expanding transmission tower leasing

<TEPCO Energy Partner>

- May 8, 2017: "Seikatsu Kaketsuke Service (24-hour household emergency support service)" and "Household Equipment and Appliance Repair Service," offering greater peace of mind every day, are launched
- May 9, 2017 : "Toku-Toku Gas Plan," a city gas rate plan for households, began accepting subscription applications
- May 30, 2017: Large-scale social experiment begun to encourage energy-saving behavior among users of household appliances and automobiles (July 2017-) (Deloitte Tohmatsu Consulting Co., Ltd., Central Research Institute of Electric Power Industry (CRIEPI) and Toppan Printing Co., Ltd.)
- June 1, 2017: Sales commenced of "Aqua Energy 100 (first rate plan for households delivering hydroelectric power)"
- July 6, 2017 : Agreement concluded with Fuji City, JFE Engineering Corporation, Shizuoka Gas Co., Ltd. and Tess Engineering Co., Ltd. to draft a business plan for realizing a "regional electricity business utilizing the infrastructure for Gakunan Railway Line"

Scope of the Comprehensive Alliance and Post-Integration Initiatives

On June 8, 2017, TEPCO Fuel & Power, Inc., and Chubu Electric Power Co., Inc. concluded a joint-venture agreement with the aim of integrating their fuel receiving/storage and gas transportation businesses, and existing thermal power generation businesses in Japan into JERA Co., Inc. With the aim of integrating during the 1st half of FY2019, the companies will move forward with discussions and all required procedures in the spirit of fairness and equality.



[Reference] Integration Synergy Effects



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