

# FY2009 1<sup>st</sup> Quarter Financial Results (April 1, 2009 – June 30, 2009) Supplementary Materials

July 31, 2009
The Tokyo Electric Power Company

## Regarding Forward-Looking Statements (Performance Projections)

Certain statements in the following presentation regarding The Tokyo Electric Power Company'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 the Company's actual results to differ materially from the forward-looking statements (performance projections) herein.



# I. Overview of FY2009 1st Quarter Financial Results



# **Key points of Results for FY2009 1st Quarter**

## Overview:

✓ Operating revenues: 【Consolidated】 ¥1,235.1 billion (decrease of 6.4%, year-on-year)

[Non-consolidated] ¥1,187.1 billion (decrease of 5.9%, year-on-year)

Both consolidated and non-consolidated operating revenues decreased mainly caused by decrease in annual electricity sales volume of 5.8%. Factors included a significant drop of 16.2% in demand from large industrial customers due to the recession.

✓ Ordinary income: 【Consolidated】 ¥85.2 billion (Increase of ¥201.5 billion, year-on-year)

[Non-consolidated] ¥71.7 billion (Increase of ¥205.7 billion, year-on-year)

Factors such as the decrease in crude oil prices and yen appreciation resulted in a substantial year-on-year decrease in fuel and purchased power expenses (decrease of ¥201.5 billion, year-on-year).

✓ Quarterly net income: 【Consolidated】 ¥59.1 billion (Increase of ¥135.3 billion, year-on-year)

[Non-consolidated] ¥46.3 billion (Increase of ¥133.5 billion, year-on-year)

Extraordinary income through partial business transfer of TEPCO CABLE TELEVISION Inc raised consolidated net income by ¥9.7 billion.

✓ Free Cash Flow: 【Consolidated】 ¥124.6 billion (Increase of ¥283.1 billion, year-on-year)

[Non-consolidated] ¥115.7 billion (Increase of ¥277.5 billion, year-on-year)

✓ Equity Ratio: [Consolidated] 18.5% (up 1.0 point compared to that at end of the previous term)

(Non-consolidated) 17.1% (up 0.7 point compared to that at end of the previous term)

## Impact of the Shutdown of Kashiwazaki-Kariwa Nuclear Power Station:

The impact on costs such as fuel and purchased power expenses totaled ¥96.0 billion. TEPCO filled up with power generated by thermal and other plants and purchased from other companies.

## Performance Outlook:

Because Unit 1-6 at Kashiwazaki-Kariwa NPS are shut down and Unit 7 is undecided when to restart its commercial operation, we cannot indicate FY2009 performance outlook at this time.



(Upper and lower rows show consolidated and non-consolidated figures, respectively)

(Unit: Billion yen)

		FY2009 (A)	FY2008 (B)	Compa	arison
		1st Quarter	1st Quarter	(A)-(B)	(A)/(B)(%)
Electricity sales volume	(Billion kWh)	64.9	68.9	-4.0	94.2
Operating revenues	(Consolidated)	1,235.1	1,319.4	-84.2	93.6
Operating revenues	(Non-consolidated)	1,187.1	1,261.2	-74.1	94.1
Operating expenses		1,130.5	1,415.0	-284.5	79.9
Operating expenses		1,090.7	1,368.2	-277.4	79.7
Operating income or loss		104.6	-95.6	200.2	-
Operating income or loss		96.4	-106.9	203.3	-
Ordinary revenues		1,256.6	1,340.6	-84.0	93.7
Ordinary revenues		1,197.5	1,273.4	-75.9	94.0
Ordinary expenses		1,171.3	1,456.9	-285.5	80.4
Ordinary expenses		1,125.7	1,407.4	-281.6	80.0
Ordinary income or loss		85.2	-116.2	201.5	-
Ordinary income or 1033		71.7	-134.0	205.7	-
Quarterly net income or loss		59.1	-76.2	135.3	-
Quarterly net income or loss		46.3	-87.2	133.5	-
Free cash flow		124.6	-158.4	283.1	-
Thee cash now		115.7	-161.7	277.5	-
Equity ratio	(%)	18.5	18.6	-0.1	-
Equity ratio	(70)	17.1	17.5	-0.4	-
ROA	(%)	0.8	-0.7	1.5	-
NOA	(70)	0.8	-0.8	1.6	-
EPS	(Yen)	43.84	-56.51	-	-
LIU	(1011)	-	-	-	-



	FY2009 1Q actual performance	【Ref.】FY2007 actual performance	(Unit: Billion yen)  【Ref.】 FY2008  actual performance
Total	96.0	615.0	649.0
Fuel expenses, etc.	96.0	420.0	585.0
Increase in fuel and purchased power expenses <sup>1</sup>	110.0	460.0	635.0
Decrease in nuclear fuel expenses and nuclear power back-end costs	-14.0	-40.0	-50.0
Restoration expenses and others	_	195.0	64.0
Extraordinary loss (Casualty loss from natural disaster and others) <sup>2</sup>	_	192.5	56.5
Others (Expenses for restarting inactive thermal power plants, etc.)	_	2.5	7.5
Decrease in nuclear power genetrated	14.0 billion kWh	40.0 billion kWh	50.0 billion kWh
Nuclear power plant capacity utilization ratio (%)	38.8	44.9	43.8

Notes: 1. "Increase in fuel and purchased power expenses" includes increase in nuclear fuel expenses, etc. due to backup operation of Fukushima Daiich and Fukushima Daini NPSs.

- 2. "Extraordinary Loss" figure is to be reestimated at the end of every quarter based on rational and careful consideration
- 3. 1 billion kWh had been generated by Unit 7 at Kashiwazaki-Kariwa NPS during 1st quarter of fiscal 2009 since it restarted its operation in May 2009.



## Performance Outlook for FY2009-1

## - Electricity Sales Volume, Total Power Generated and Purchased

## **Electricity Sales Volume**

Total electricity sales volume

FY2009 FY2009 Previous projection projection June 1st Quarter full year full year April May 109.80 9.18 7.91 6.83 23.92 110.30 Regulated segment (6.1)(-5.7)(-1.4)(-0.2)(1.7)(2.2)7.07 6.05 21.39 8.27 Lighting (6.6)(-5.4)(-1.0)(0.2)0.64 0.61 1.97 0.73 Low voltage (8.8)(-4.6)(-3.7)(1.9)0.21 0.17 0.56 0.18 Others (2.1)(-6.0)(-2.7)(-2.5)179.90 13.52 13.09 14.34 40.95 181.10 Liberalized segment (-0.6)(-9.2)(-9.5)(-7.9)(-8.8)(0.0)6.30 18.10 6.06 5.74 Commercial use (1.9)(0.1)(1.4)(1.1)7.46 7.35 8.04 22.85 Industrial use and others (-16.6)(-15.8)(-14.0)(-15.4)

21.00

(-8.1)

21.17

(-5.9)

#### [Results for the First Quarter of FY 2009]

OElectricity sales volume decreased 5.8 percent compared with the same period of the previous year mainly due to the substantial period-on-period drop in energy demand from industrial customers because of the decline in their production levels.

○ A shortfall of 1.7 billion kWh for the initial projection

#### [FY 2009 Projection]

O We have revised our initial sales projection downward by 1.7 billion kWh to reflect the shortfall for the original plan in the first quarter.

Note: Figures in parentheses denote percentage change from the previous year. Rounded to the nearest decimal point.

22.70

(-3.6)

## Total Power Generated and Purchased

(Units: Billion kWh, %)

64.87

(-5.8)

289.70

(0.3)

291.40

(8.0)

	FY2009			
	April	May	June	1st Quarter
Total power generated and purchased	22.52	22.80	23.93	69.25
Total power generated and purchased	(-7.4)	(-6.8)	(-4.0)	(-6.1)
Power generated by TEPCO	18.87	19.08	19.45	57.40
Hydroelectric power generation	0.97	1.10	0.93	3.00
Thermal power generation	13.75	12.94	13.04	39.73
Nuclear power generation	4.15	5.04	5.48	14.67
Power purchased from other companies	3.68	3.79	4.54	12.01
Used at pumped storage	-0.03	-0.07	-0.06	-0.16

Note: Figures in parentheses denote percentage change from the previous year.

Average Monthly Temperature

(Units: Billion kWh, %)

(Unit: °c)

	April	May	June
FY2009	15.0	19.5	21.9
Compared with last year	0.9	1.5	1.0
Compared with average year	1.4	1.5	0.7

Note: Average temperature uses temperatures observed at nine weather stations in TEPCO's operating area, weighted to reflect electric power volume of respective branch offices.



## Performance Outlook for FY2009-2

## - Key Factors Affecting Performance and Financial Impact

## **Key Factors Affecting Performance**

		FY2009					
	1st Quarter	1st Half projection full year proje			rojection		
	actual performance	(as of July 31) (as of April 30)		(as of July 31)	(as of April 30)		
Electricity sales volume (billion kWh)	64.9	141.2	142.9	289.7	291.4		
Crude oil prices (All Japan CIF; dollars per barrel)	52.55	approx. 61	approx. 50	approx. 63	approx.50		
Foreign exchange rate (Interbank; yen per dollar)	97.37	approx. 96	approx. 100	approx. 95	approx. 100		
Flow rate (%)	93.2	approx. 97	approx. 100	approx. 98	approx. 100		
Nuclear power plant capacity utilization ratio (%)	38.8	(—)	(-)	(—)	(-)		

#### [Reference]

	FY2008 actual performance				
	1st Quarter	1st Quarter 1st Half			
Electricity sales volume (billion kWh)	68.9	147.9	289.0		
Crude oil prices (All Japan CIF; dollars per barrel)	109.93	119.72	90.52		
Foreign exchange rate (Interbank; yen per dollar)	104.56	106.13	100.72		
Flow rate (%)	101.1	99.9	95.8		
Nuclear power plant capacity utilization ratio (%)	39.8	44.8	43.8		

Financial Impact (sensitivity)

(Unit:billion yen)

	F\	【Ref.】	
	full year	projection	FY2008 full year
	(as of July 31)	(as of April 30)	actual performance
Crude oil prices (All Japan CIF; 1 dollar per barrel)	_		17.0
Foreign exchange rate (Interbank; 1 yen per dollar)	_	_	19.0
Flow rate (1%)	_	_	1.5
Nuclear power plant capacity utilization ratio (1%)	_	_	15.0
Interest rate (1%)	_		14.0

Note: The "Crude oil prices", "Foreign exchange rate", "Flow rate" and "Nuclear power plant capacity utilization ratio reflect the impact on annual Fuel expenses.

The "Interest rate" reflects the incremental amount of interest.



# Performance Outlook for FY2009–3 Full year projection

Comparison with the previous projection

Upper and lower rows show consolidated and non-consolidated figures, respectively)					(Unit: Billion yen)
		Operating revenues	Operating income or loss	Ordinary income or loss	Net income or loss
FY2010	(Consolidated)	5,200.0	-	-	-
projection	(Non-consolidated)	4,990.0	-	-	-
Previous projection		5,130.0	-	-	-
(as of Apr. 30)		4,920.0	-	-	-
Difference		70.0	-	-	-
Dillelelice		70.0	-	_	-

<FY2009 projection for full year: Factors behind variance in operating revenues [Non-consolidated] >

O Operating revenues from electric power business	+¥70.0 billion
Decrease in electricity sales volume	-¥25.0 billion
Uncrease in fuel cost adjustment syetem revenue due to rise in crude oil price	+¥95.0 billion J
Change from the previous projection	¥70.0 billion

Comparison with the previous results

(Upper and lower rows show consolidated and non-consolidated figures, respectively)					(Unit: Billion yen)
		Operating	Operating	Ordinary	Net
		revenues	income or loss	income or loss	income or loss
FY2009	(Consolidated)	5,200.0	-	-	-
projection	(Non-consolidated)	4,990.0	-	-	-
FY2008		5,887.5	66.9	-34.6	-84.5
actual performance		5,643.3	22.7	-90.1	-113.1
Difference	apı	prox690.0	-	-	-
Difference	apı	prox650.0	-	-	-

< FY2009 projection for full year: Factors behind variance in operating revenues [Non-consolidated] >

O Operating revenues from electric power business	-¥615.0 billion
Increase in electricity sales volume Impact of fuel cost adjustment system, etc.	+¥10.0 billion -¥625.0 billion
O Power sold to other utilities and/or suppliers	-¥20.0 billion
Decrease in electricity sales volume of routinely backing up to power producers and suppliers	, etc.
Operating revenues from incidental business	-¥15.0 billion
Gas supply business operating revenues (decline in unit sales price, etc.)	
Decline in operating revenues	-¥650.0 billion



# Performance Outlook for FY2009–4 1st half projection

Comparison with the previous projection

(Upper and lower rows show consolidated and non-consolidated figures, respectively)

(Unit: Billion yen)

		Operating	Operating	Ordinary	Quarterly net
		revenues	income or loss	income or loss	income or loss
FY2010	(Consolidated)	2,545.0	-	-	-
projection	(Non-consolidated)	2,445.0	-	-	-
Previous projection		2,575.0	-	-	-
(as of Apr. 30)		2,475.0	-	-	-
Difference		-30.0	-	-	-
Difference		-30.0	-	-	-

## <FY2009 projection for 1st half: Factors behind variance in operating revenues [Non-consolidated] >

00	Operating revenues from electric power business	-¥20.0 billion
	Decrease in electricity sales volume, etc.	
οР	Power sold to other utilities and/or suppliers	-¥10.0 billion
	Decrease in electricity sales volume of routinely backing up to power producers and suppliers, etc.	
	Change from the previous projection	-¥30.0 billion

Comparison with the previous results

(Upper and lower rows show consolidated and non-consolidated figures, respectively)

(Unit: Billion yen)

		Operating	Operating	Ordinary	Quarterly net
		revenues	income or loss	income or loss	income or loss
FY2009	(Consolidated)	2,545.0	-	-	-
projection	(Non-consolidated)	2,445.0	-	-	-
FY2008		2,870.2	-124.5	-164.4	-109.3
actual performance		2,746.8	-144.0	-196.1	-128.4
Difference	apı	orox325.0	-	-	-
Difference	apı	orox300.0	-	-	-



# II. FY2009 1<sup>st</sup> Quarter Financial Results (Detailed Information)



# Statement of Income (Consolidated)

(Unit: Billion yen)

	FY2009(A)	FY2008 (B)	Compa	arison
	1st quarter	1st quarter	(A)-(B)	(A)/(B) (%)
Operating revenues	1,235.1	1,319.4	-84.2	93.6
Operating expenses	1,130.5	1,415.0	-284.5	79.9
Operating income or loss	104.6	-95.6	200.2	
Non-operating revenues	21.4	21.2	0.2	101.1
Investment gain under the equity method	5.0	5.6	-0.5	89.5
Non-operating expenses	40.8	41.8	-1.0	97.6
Ordinary income or loss	85.2	-116.2	201.5	
(Reversal of) Provision for reserve for fluctuation in water levels	-3.1	1.0	-4.1	_
Extraordinary income	9.7	_	9.7	_
Income taxes	37.6	-42.5	80.2	_
Minority interests	1.4	1.5	-0.1	90.9
Quarterly net income or loss	59.1	-76.2	135.3	

The Japan Atomic Power Company
+¥1.8 billion(-0.1 billion)

Japan Nuclear Fuel Limited
+¥1.2billion(-0.0 billion)

Great Energy Alliance Corporation
+¥1.2 billion(-0.1 billion)

Note: ( ) comparision with the previous fiscal year

Gain from the partial business transfer of TEPCO CABLE TELEVISION Inc.

¥9.7billion(+9.7 billion)

Note: ( ) comparision with the previous fiscal year



# Revenues Breakdown (Non-consolidated)

			(Unit	: Billion yen)
	FY2009(A)	FY2008(B)	Comp	arison
	1st quarter	1st quarter	(A)-(B)	(A)/(B) (%)
Ordinary revenues	1,197.5	1,273.4	-75.9	94.0
Operating revenues	1,187.1	1,261.2	-74.1	94.1
Operating revenues from electric power business	1,169.7	1,244.3	-74.5	94.0
Electricity sales revenues	1,117.5	1,185.6	-68.0	94.3
Lighting	475.3	476.8	-1.5	99.7
Commercial and industrial	642.2	708.7	-66.4	90.6
Power sold to other utilities	26.8	26.4	0.4	101.8
Power sold to other suppliers	2.9	11.3	-8.3	26.4
Other revenues	22.3	20.9	1.3	106.6
Operating revenues from incidental business	17.3	16.9	0.4	102.7
Non-operating revenues	10.3	12.1	-1.7	85.3

Decrease in electricity sales volume

(-4.0 billion kWh) -¥69.0 billion

Rise in unit sales price

(+0.02 yen/kWh) +¥1.0 billion

<Fuel Cost Adjustment>

FY2009/1Q FY2008/1Q

(-52 billion yen) ← (+86 billion yen)

Including decrease in electricity sales volume of routinely backing up power producers and suppliers (PPS).



# Expenses Breakdown (Non-consolidated)

(Unit: Billion yen)

			(01	iit. Billion yen)
	FY2009(A)	FY2008(B)	Compa	arison
	1st quarter	1st quarter	(A)-(B)	(A)/(B) (%)
Ordinary expenses	1,125.7	1,407.4	-281.6	80.0
Operating expenses	1,090.7	1,368.2	-277.4	79.7
Operating expenses for electric power business	1,077.7	1,350.6	-272.8	79.8
Personnel	126.3	119.8	6.5	105.5
Fuel	267.4	510.2	-242.8	52.4
Maintenance	87.5	98.4	-10.8	88.9
Depreciation	180.4	179.5	0.8	100.5
Power purchasing cost	179.6	191.6	-11.9	93.8
Taxes, etc.	91.4	95.1	-3.7	96.1
Nuclear power back-end costs	25.2	33.0	-7.7	76.5
Other expenses	119.5	122.7	-3.1	97.4
Operating expenses for incidental business	12.9	17.5	-4.6	73.5
Non-operating expenses	35.0	39.2	-4.2	89.3
Interest paid	33.1	33.3	-0.1	99.4
Other expenses	1.9	5.9	-4.0	32.5



## **Year-on-Year Comparison of Ordinary Expenses – 1 (Non-consolidated)**

Personnel expenses (¥119.8 billion to ¥126.3 billion)

+¥6.5 billion

Retirement benefits(¥17.1 billion to ¥24.0 billion)

+¥6.8 billion

Increase in amortization of actuarial difference (¥7.2 billion to ¥14.0 billion)

Amortiza	ation of	t actua	l difference>

				Amount expensed (B)					Have not
Reduced return on pension plan ssets due to lower stock prices in FY2007 and FY2008		Expenses		in FY	2007	in FY	2008	in FY2009	been charged
		incurred (A)	in FY2006	DC		(of which in		1st quarter	as of FY2009/1Q
		incurred (11)	111112000	(Extraordinary income posted)	Charged	1st quarter)	Charged	Charged	(A) - (B)
	FY2005	-117.9	-39.3	-2.4	-36.8		_	_	-
	FY2006	-15.4	-5.1	-1.0	-4.8	-1.1	-4.4	\ -	·  -
	FY2007	100.1	_	_	33.3	8.3	33.3	8.3	25.0
	FY2008	68.1	_	_		<b>\</b> -	22.7	5.6	39.7
	Total		-48.5	-3.4	-8.3	7.2	51.6	14.0	64.7

Note:TEPCO amortizes actuarial gain or loss by the straight-line method over a period of three years.

#### Fuel expenses (¥510.2 billion to ¥267.4 billion)

-¥242.8 billion

Consumption volume	-¥61.0 billion
Decrease in hydroelectric generated, etc.(Flow rate:101.1% →93.2%)	+¥6.0 billion
Decrease in nuclear power generated (Nuclear power generated 15.0 billion kWh to 14.7 billion kWh)	+¥3.0 billion
(Nuclear power plant capacity utilization ratio 39.8% to 38.8%)	
Decrease in power generated and purchased (73.7 billion kWh to 69.3 billion kWh)	-¥50.0 billion
Increase in purchased power from other utilities and purchased power from other suppliers	-¥20.0 billion
Price	-¥182.0 billion
Yen appreciation (¥104.56=\$1 to ¥97.37=\$1)	-¥38.0 billion
Decline in CIF price (All Japan CIF crude oil price: \$109.93/barrel to \$52.55/barrel)	-¥144.0 billion



# Year-on-Year Comparison of Ordinary Expenses – 2 (Non-consolidated)

Maintenance expenses (¥98.4 billion to ¥8	7.5 hillion)			-¥10.8 billion
Generation related (¥47.2 billion to ¥38.9 billion)	Factors for Increas	εο/Ποςτορεο		-¥8.3 billion
Hydroelectric power (¥2.6 billion to ¥2.0 billion)		er: Factors including reduction in waterwheel equipment	-¥0.6 billion	
Thermal power (¥28.2 billion to ¥22.2 billion)	repair expenses		-¥5.9 billion	
Nuclear power (¥16.4 billion to ¥14.6 billion)		Decrease in equipment subject to periodical inspections	-¥1.8 billion	
Distribution related (¥49.9 billion to ¥47.6 billion)		actors including decrease in construction expenses riodical inspections		-¥2.3 billion
Transmission (¥6.4 billion to ¥4.6 billion)			-¥1.7 billion	
Transformation (¥4.5 billion to ¥3.9 billion)	Factors for Increas	Decrease in maintenance cost of outsourcing, etc.	-¥0.5 billion	
Distribution (¥38.9 billion to ¥39.0 billion)		Decrease in maintenance expenses of transformer including	+¥0.1 billion	
Others (¥1.1 billion to ¥0.9 billion)	construction work s	such as oil leakage countermeasures		-¥0.2 billion
epreciation expenses (¥179.5 billion to ¥	180.4 billion)			+¥0.8 billior
Generation related (¥75.9 billion to ¥79.7 billion)				+¥3.8 billion
Hydroelectric power (¥11.2 billion to ¥10.6 billion)			-¥0.6 billion	
Thermal power (¥39.8 billion to ¥44.7 billion)			+¥4.8 billion	
Nuclear power (¥24.8 billion to ¥24.4 billion)			-¥0.4 billion	
Distribution related (¥99.2 billion to ¥96.6 billion)				-¥2.6 billion
Transmission (¥45.6 billion to ¥44.2 billion)			-¥1.4 billion	
Transformation (¥19.7 billion to ¥18.9 billion)			-¥0.7 billion	
Distribution (¥33.7 billion to ¥33.3 billion)			-¥0.3 billion	
Others(4.3 billion to ¥4.0 billion)				-¥0.3 billion
Depreciation breakdown				
FY2008	FY 2009			
1st quarter	1st quarter			
Regular depreciation ¥172.4 billion	¥169.3 billion	Factors for Increase/Decrease		
Extraordinary depreciation ¥3.5 billion	¥9.5 billion	Thermal: Thermal power: Increase due to FY2009 (One-time depreciation: Gas turbine of Futtsu Therr		
Trial operations depreciation ¥3.5 billion	¥1.5 billion	(One time depreciation, odd tarbine of ratioal men	nari ower station on	it i group)
ower purchasing sect (V101.4 billion to )	/170 / hillion\	Fac tors for Increase/Decrease  Purchased power from other utilities:		-¥11.9 billior
ower purchasing cost (¥191.6 billion to ¥ Purchased power from other utilities (¥50.2 billion to ¥		Decrease in power exchange for resource	<del></del>	-¥11.9 billion
•	,	shortage		-¥0.8 billion -¥11.1 billion
Purchased power from other suppliers (¥141.3 billion	ιυ ‡13U.2 DIIIION)	Purchased power from other suppliers:		-∓11.1 DIIIIUI1



# Year-on-Year Comparison of Ordinary Expenses – 3 (Non-consolidated)

Taxes and other public charges (¥95.1 billion to ¥9	1.4 billion)	-¥3.7 billion
Enterprise tax	Fac tors for Increase/Decrease	-¥1.1 billion
Electric power development promotion tax	Enterprise tax: Decrease in operating revenues from electric power business, etc	-¥1.5 billion
Property tax	Electric Power development promotion tax: Decrease in electricity sales volume, etc Property tax: Progress of depreciation, etc	-¥0.8 billion
Nuclear power back-end costs (¥33.0 billion to ¥25.	.2 billion)	-¥7.7 billion
Irradiated nuclear fuel reprocessing expenses (¥28.5 billion to ¥20	0.8 billion)	-¥7.6 billion
Expenses for future reprocessing of irradiated nuclear fuel (¥1.3 b	billion to ¥1.3 billion)	-¥0.0 billion
Decommissioning costs of nuclear power units (¥3.1 billion to ¥3.0	Factors for Increase/Decrease Radiated nuclear fuel reprocessing expenses: Period-on-period comparison reflects absence of provision to reserves in connection with	-¥0.0 billion
Other expenses (¥122.7 billion to ¥119.5 billion)	overseas processing contract in the same period of the previous year	-¥3.1 billion
Decrease in rental costs (excluding charge for occupancy of roads	s)	-¥1.1 billion
Incidental business operating expenses (¥17.5 billion Energy facility service business (¥0.4 billion to ¥0.8 billion)	on to ¥12.9 billion)	-¥4.6 billion +¥0.3 billion
Real estate leasing business (¥1.4 billion to ¥1.2 billion)		-¥0.1 billion
Gas supply business (¥15.1 billion to ¥10.3 billion)		-¥4.7 billion
Other incidental business (¥0.6 billion to ¥0.5 billion)		-¥4.7 billion
Interest paid (¥33.3 billion to ¥33.1 billion)		-¥0.1 billion
Lower average interest rate		-¥0.8 billion
Increase in average interest-bearing debt outstanding		+¥0.7 billion
(FY2008/1Q: ¥7,657.8 billion to FY2009/1Q: ¥7,513.2 billion)		
Other non-operating expenses (¥5.9 billion to ¥1.9	billion)	-¥4.0 billion
Exchange loss		-¥2.1 billion
Miscellaneous losses		-¥1.3 billion



# Balance Sheets (Consolidated and Non-consolidated)

(Upper and lower rows show consolidated and r	rows show consolidated and non-consolidated figures, respectively)			(Unit: Billion yen)		
		Jun. 30,	Mar. 31,	Compa	rison	
		2009 (A)	2009 (B)	(A)-(B)	(A)/(B) (%)	
Total assets	(Consolidated)	13,190.3	13,559.3	-368.9	97.3	
Total assets	(Non-consolidated)	12,610.7	12,990.0	-379.3	97.1	
Fixed assets		12,247.3	12,351.2	-103.9	99.2	
Tived assets		11,837.5	11,946.5	-108.9	99.1	
Electricity business		8,086.1	8,159.5	-73.4	99.1	
Incidental business		67.5	68.8	-1.2	98.2	
(*) Non-business		4.4	4.6	-0.2	94.1	
Fixed assests in progress		561.2	590.6	-29.4	95.0	
Nuclear fuel		919.0	917.0	2.0	100.2	
Others		2,199.0	2,205.7	-6.6	99.7	
Current assets		943.0	1,208.0	-264.9	78.1	
Current assets		773.1	1,043.5	-270.3	74.1	
Liabilities		10,712.3	11,139.8	-427.4	96.2	
Liabilities		10,453.2	10,858.9	-405.6	96.3	
Fixed liabilities		9,102.3	9,067.7	34.6	100.4	
		8,877.5	8,841.8	35.6	100.4	
Current liabilities		1,599.6	2,058.5	-458.9	77.7	
Current nabilities		1,565.4	2,003.6	-438.1	78.1	
Reserves for Fluctuation in		10.3	13.5	-3.1	76.5	
Water Level		10.2	13.4	-3.1	76.4	
Net assets		2,478.0	2,419.4	58.5	102.4	
Net assets		2,157.4	2,131.1	26.3	101.2	
Shareholders' equity		2,484.8	2,460.1	24.6	101.0	
		2,161.6	2,155.8	5.8	100.3	
Valuation, translation adjustments		-49.7	-81.5	31.7	61.0	
and others		-4.2	-24.7	20.5	17.0	
Minority interests		42.9 —	40.8	2.0	105.1 —	
(*)Non-consolidated						
Interest-bearing debt outstanding		7,700.6	7,938.0	-237.3	97.0	
		7,513.2	7,748.8	-235.6	97.0	
Equity ratio (%)		18.5	17.5	1.0	-	
Lyuity railo (70)		17.1	16.4	0.7	_	

#### Bond issued in FY2009

Issue date	Issue amount (billion yen)	Period (year)	Coupon rate (% per annum)
05/29/09	30	10	1.608
05/29/09	30	6	1.113
07/16/09	30	12	1.630
07/16/09	30	6	0.923
Toatl	120	-	-

Notes 1 Foreign bonds haven't been issued in FY 2009 2 Issuance of 670 billion in FY2008

## Interest-bearing debt outstanding

(Unit: Billion yen)

(Office Billion 3)					
	Jun. 30, 2009	Mar. 31, 2008			
(Consolidated) Bonds	5,140.7	5,357.4			
(Non-consolidated)	5,138.8	5,354.4			
Long-term debt	2,006.1	1,956.4			
Long-term debt	1,866.4	1,811.4			
Short-term debt	408.8	389.2			
Short-term debt	363.0	348.0			
Commercial paper	145.0	235.0			
Commerciai papei	145.0	235.0			

Note:Upper and lower rows show consolidated and non-consolidated figures, respectively



# **Consolidated Statement of Cash Flows**

			(Unit: Billion yen)
	FY2009(A)	FY2008(B)	Comparison
	1st quarter	1st quarter	(A)-(B)
Cash flow from operating activities	289.5	-8.3	297.9
Quarterly income / loss before income taxes and minority interests	98.1	-117.2	215.4
Depreciation and amortization	192.9	190.7	2.1
Increase / decrease in provision for casualty loss from natural disaster	-6.1	-3.2	-2.9
Interest paid	-36.0	-38.8	2.7
Income taxes paid	-7.1	-7.6	0.4
Others	47.9	-32.1	80.0
Cash flows from investing activities	-153.9	-168.5	14.6
Purchases of property, plant and equipment	-172.9	-161.6	-11.2
Increase in investments	-13.4	-1.5	-11.9
Transfer of business	16.1	_	16.1
Others	16.3	-5.3	21.7
Cash flows from financing activities:	-278.5	163.7	-442.2
Cash dividends paid	-36.3	-35.5	-0.8
Others	-242.1	199.2	-441.4
Effect of exchange rate changes on cash and cash equivalents	1.5	-2.4	3.9
Net decrease in cash and cash equivalents	-141.3	-15.5	-125.7
Cash and cash equivalents at beginning of the year	258.7	125.1	133.5
Cash and cash equivalents at end of the year	117.3	109.5	7.7

Cash flow from operating activities was ¥289.5 billion (¥8.3 billion cash outflow in the same period of the previous fiscal year). Factors such as upturn in quarterly income or loss before income taxes and minority interests.

Cash outflow from financing activities was ¥278.5 billion (¥163.7 billion cash inflow in the same period of the previous fiscal year). There was an decrease in external financing.

Cash outflow from investing activities decreased 8.7% compared with the previous fiscal year to ¥153.9 billion. While capital expenditure increased, there was a partial business transfer in subsidiary.



# Free Cash Flow and its Application (Consolidated and Non-consolidated)

(Upper and	(Unit: Billion yen)			
		FY2009 (A)	FY2008 (B)	Comparison
		1st Quarter	1st Quarter	(A)-(B)
Cach flo	w from apprating activities	289.5	-8.3	297.9
Casii iio	w from operating activities	288.4	-19.8	308.2
Capital	vnondituros (Cash hasis)	-164.8	-150.1	-14.7
Capital expenditures (Cash basis)		-172.6	-141.8	-30.7
Free cash flow		124.6	-158.4	283.1
		115.7	-161.7	277.5
Financias		_	200.3	-200.3
Financin	y	_	177.8	-177.8
	Reduction of	241.7	_	241.7
	interest-bearing debt	235.6	_	235.6
(uc	Dividends	36.3	35.5	0.8
(Application)	Dividends	36.3	35.5	0.8
		-153.4	6.3	-159.8
(A	Investments, etc.	-156.2	-19.4	-136.8
	(of which, investments in	2.2	9.6	-7.3
	diversified businesses)	0.2	1.3	-1.0

<sup>※:</sup> Free cash flow is calculated as net cash provided by operating activities minus capital expenditures in the electric power business.



# **Segment Information**

(Unit: Billion yen)

			(01110)	. Dillion yen
	FY2009 (A)	FY2008 (B)	Compa	arison
	1st Quarter	1st Quarter	(A)-(B)	(A)/(B) (%)
Operating revenues	1,235.1	1,319.4	-84.2	93.6
Electric Power	1,169.7	1,244.3	-74.5	94.0
Electric Powel	1,169.7	1,244.2	-74.4	94.0
Information and Telecommunications	19.3	20.2	-0.8	95.6
iniornation and releconfindincations	9.8	10.0	-0.2	97.2
Energy and Environment	78.1	96.1	-18.0	81.2
Energy and Environment	37.6	45.8	-8.2	82.0
Living Environment and Lifestyle-related	33.4	33.2	0.2	100.8
Living Environment and Eliestyle-related	14.8	14.1	0.6	104.3
Overseas	3.4	5.3	-1.8	65.8
Overseas	3.1	5.0	-1.9	62.3
Operating income	104.6	-95.6	200.2	-
Electric Power	91.9	-106.1	198.1	-
Information and Telecommunications	0.2	0.0	0.2	753.4
<b>Energy and Environment</b>	7.6	5.6	2.0	136.1
Living Environment and Lifestyle-related	4.0	3.1	0.9	129.1
Overseas	0.0	1.6	-1.6	2.2

Note: Numbers in the lower row of operating revenues represents revenues from external customers.

#### Major subsidiaries in each segment

(Unit: Billion yen)

	Operating	Operating revenues		g income
		Increase or decrease		Increase or decrease
Information and Telecommunications		ueciease		uecrease
TEPCO SYSTEMS CORPORATION	7.6	-0.5	-0.7	-0.1
TEPCO CABLE TELEVISION Inc.	0.8	-3.1	-0.2	-0.0
Energy and Environment				
Gas Business Company	14.4	0.6	4.0	5.4
Toden Kogyo Co., Ltd.	12.1	-4.2	0.6	-0.5
TEPSTAR	3.4	-5.4	0.0	-0.0
Tokyo Timor Sea Resources Inc. (US)	5.2	-1.9	3.5	-1.8
Living Environment and Lifestyle-related				
Toden Real Estate Co., Inc.	11.1	2.6	2.8	1.4
TOSHIN BUILDING Co., Ltd.	_	-3.2	_	-0.7
Toden Kokoku Co., Ltd.	5.4	-0.0	0.0	-0.1
Tokyo Living Service Co.,Ltd	3.6	-0.3	0.1	-0.0
Overseas				
Eurus Energy Holdings Corporation	2.5	0.4	-0.0	-0.2
TM Energy (Australia) Pty Ltd.	0.7	-2.0	0.1	-1.5
Overseas Consulting Business	0.1	-0.2	0.0	-0.0

Note:Toden Real Estate Co., Inc. and TOSHIN BUILDING Co., Ltd. merged on April 1, 2009, with Toden Real Estate Co., Inc. as the surviving company.



# **Gas Supply Business**

1st quarter Results

			\-	2
	FY2009 1Q	FY2008 1Q	Compa	arison
	actual performance	actual performance	(A)-(B)	(A)/(B) (%)
Operating revenues	14.4	13.7	0.6	104.6
Operating expenses	10.3	15.1	-4.7	68.4
Operating income or los	ss 4.0	-1.3	5.4	_
Gas Sales volume**	approx. 230 thousand tons	approx. 220 thousand tons	_	_

Note: **※**;LNG equivalent

Operating revenues: Increased because of sales volume increase (+ ¥0.6 billion)

Operating expenses: Decreased due to the significant drop in raw material prices (- ¥4.7 billion)

Operating Income: Reached as high as ¥4 billion. The sliding time lag in the raw material cost adjustment system delayed

reflection of the downward swing in LNG prices.

(Unit: Billion yen)

(Unit: Billion ven)

FY2009 Projection

	FY2009	FY2008	Comparison
	projection	actual performance	(A)-(B)
Operating revenues	64.0	76.1	-12.1
Operating expenses	62.0	76.8	-14.8
Operating income or loss	2.0	-0.7	2.7
Gas Sales volume*	_	approx. 1,080 thousand tons	_

<sup>\* :</sup>Outlook for gas sales volume is undisclosed.

**Full-year earnings outlook:** The business performance could be greatly affected by fuel prices fluctuation. TEPCO has revised our initial revenue projection upward by ¥6 billion to ¥64 billion because we basically believe that LNG prices will gradually rise in accordance with increasing crude oil prices. We are working hard to achieve our operating income target of ¥2 billion.

(%)



# [Reference] Recent demand trend of Large-scale Industries

◆ Reflecting the decline in production levels, electricity sales volume for large-scale industrial customers decreased a substantial **16.2 percent** compared with the same period of the previous year.

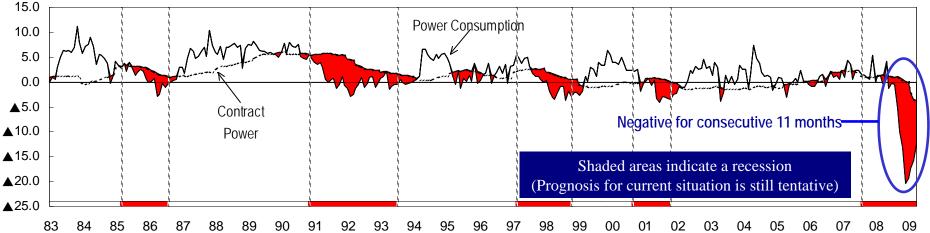
[Year-on-year Electricity Sales Growth in Large Industrial Customer Segment]

			FY2008				FY20	009	,,,,,
	1st quarter	2nd quarter	3rd quarter	4th quarter	Full-year	Apr.	May	Jun.	1st quarter
Paper & pulp	-4.3	-7.3	-7.5	-20.8	-9.8	-15.2	-13.1	-13.9	-14.0
Chemicals	4.6	9.1	-3.3	-31.6	-5.5	-22.2	-17.7	-16.1	-18.7
Ceramics & stone	-0.3	1.5	2.0	-16.6	-3.3	-18.9	-14.5	-17.5	-17.0
Ferrous metals	6.4	4.2	-5.5	-31.3	-6.5	-34.7	-36.6	-35.8	-35.7
Non-ferrous metals	1.2	0.0	-9.1	-30.6	-9.7	-24.6	-21.6	-15.5	-20.5
Machinery	-0.2	-1.4	-11.0	-28.9	-10.2	-27.0	-25.6	-21.8	-24.7
Other industries	0.7	1.1	-1.3	-6.7	-1.5	-6.5	-6.6	-5.3	-6.1
Total for Large Industrial Customers	1.3	1.3	-4.7	-19.4	-5.2	-17.5	-16.5	-14.7	-16.2
[Ref.] 10-company total	-	-	-	-	-5.9	-20.5	-19.4	-17.0	-

Note: Preliminary figures for a total of 10 companies in Jun. 2009.

◆ The Electric Curve of Large Industries as Diffusion Index shows that the growth rate of power consumption in this category has been lower than that of contract power for 11 consecutive months since August 2008.

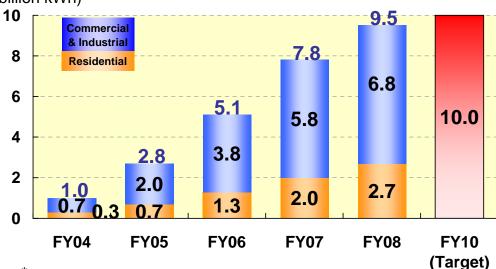






## [Reference] TEPCO's Marketing and Sales Activities

# [Cumulative Expansion of New Electricity Sales Volume]



<sup>\*:</sup> Numbers over each bar represent totals of cumulative expansion in each year.

- ➤ In fiscal 2008, we successfully generated an additional 1.7 billion kWh in new sales volume through marketing efforts such as sales promotions that contributed to a year-on-year increase of 140,000 in the number of all-electric homes.
- ➤ As of March 31, 2009, the cumulative expansion of new electricity sales volume since fiscal 2004 was 9.5 billion kWh, and we expect to achieve our target during fiscal 2009, one year ahead of the original plan.
- ➤ In addition to reinforcement of our sales organization, we actively utilize our hands-on showrooms for residential, commercial and industrial customers in order to more effectively communicate the advantages of state-of-the-art electrical equipment in terms of reliability, comfort and economy.

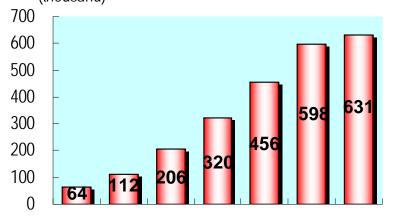
## (Hands-on Showrooms)

#### Residential Commercial Industrial TEPCO Electrified Factory | 2 **Switch! Station showrooms** Switch! Station Pro. ARIAKE (Tokyo) (Kawasaki) (19 showrooms in TEPCO area) We have begun opening Switch! Station hands-on show-We make comprehensive proposals for creating ideal Getting attention to using electricity to create heat, the rooms around the three core concepts of providing overall primary energy type used in production processes, we kitchens to all customers associated with kitchens and food understanding of all-electric housing, offering a place for suggest next-generation production systems through by allowing them to see, touch, experience and understand state-of-the-art commercial electric kitchen systems. manufacturing process builders and other sub-users innovation using the to show their customers the latest induction benefits of all-electric housing. heating and heat and allowing customers to try pump technology. electrical equipment rather than just look at it.



## **Reference** Promotion of All-Electric homes

◆ Cumulative Number of All-Electric Homes ◆ Incremental number of Electric Water Heaters & IH Cooktops (thousand)

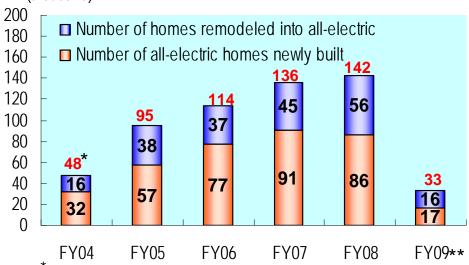


FY03 FY04 FY05 FY06 FY07 FY08 FY09\*
\*: As of June 30, 2009

		FY2004	FY2005	FY2006	FY2007	FY2008	FY2009 1Q
Electric Water	Number of units introduced	39	77	103	125	141	36
Heater *	Cumulative number	636	711	815	940	1,081	1,117
"Eco Cute"	Number of units introduced	35	65	94	117	135	32
LCO Guie	Cumulative number	58	123	217	334	469	501
	ktops** ne nationwide)	612	731	823	854	885	196

<sup>\*:</sup> Numbers of Electric Water Heater includes those of Eco Cute

Incremental number of All-Electric homes by year (Source: Japan Electric Machine Industry Association) (thousand)



- All-electric housing has received continued support from a wide range of customers because the use of highly efficient heat pump equipment such as Eco Cute makes it environmentally friendly and economical.
- ➤ While the incremental number of all-electric homes decreased slightly in fiscal 2008 due to the recession, we've recorded steady increase in that of homes remodeled into all-electric through our aggressive promotions in this market.

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<sup>\*\*:</sup> Numbers in TEPCO area can be estimated 20% of the shipped volume nationwide

<sup>\*:</sup> Numbers over each bar represent totals of All-Electric homes introduced in each year.
\*\*: As of June 30, 2009



# [Reference] Fuel Consumption and projection

## Fuel consumption data and projection

	FY2006	FY2007	FY2008	FY2009 projection <sup>1</sup>	FY2008 1Q actual performance	FY2009 1Q actual performance
LNG (million tons)	16.80	19.87	18.97	17.40	4.54	4.45
Oil (million kl)	4.04	9.99	8.63	10.80	2.50	1.60
Coal (million tons)	3.18	3.46	3.10	3.90	0.64	0.55

Notes: 1. Based on FY2009 supply plan

2. Monthly data for fuel consumption are available on the TEPCO website.

URL: http://www.tepco.co.jp/en/news/presen/full-e.html

## **Quantity Procured by Country and Project**

· · · ·							
Crude Oil	(Unit:thousand kl)						
	FY2006	FY2007	FY2008				
Indonesia	1,081	1,846	1,642				
Brunei	63	142	0				
China	0	0	0				
Vietnam	60	123	157				
Australia	140	335	227				
Sudan	118	744	569				
Other	96	108	139				
Total imports	1,558	3,298	2,734				
Heavy Oil	(Unit: thousand kl)						
	FY2006	FY2007	FY2008				

2,931

Total imports

	М	$\sim$
L	N	G

FY2006	FY2007	FY2008
846	582	523
4,180	4,440	4,074
4,899	5,119	4,942
4,386	4,690	4,091
56	161	107
503	484	964
58	120	118
1,816	2,061	2,217
248	754	685
478	2,006	2,342
17,470	20,417	20,063
	846 4,180 4,899 4,386 56 503 58 1,816 248 478	846     582       4,180     4,440       4,899     5,119       4,386     4,690       56     161       503     484       58     120       1,816     2,061       248     754       478     2,006

#### Coal

(Unit: thousand t)

(Unit: thousand t)

	FY2006	FY2007	FY2008
Australia	2,964	3,498	3,054
USA	_	_	_
South Africa	_	_	_
China	_	_	35
Canada	73	83	45
Indonesia	212	_	_
Russia	_	_	_
Total imports	3,249	3,581	3,134

5,975

6,718

(as of July 31, 2009)



## [Reference] Countermeasures against Global Warming

## **(Countermeasures against Global Warming)**

#### Supply-side Initiatives

Safety and stably operate nuclear power stations
Improve thermal power efficiency
Expand use of renewable energy

#### International cooperation initiatives

Take advantage of Kyoto Mechanisms

Promote Sectoral Approaches through APP Activities

#### Initiatives with customers

Promote highly efficient electrical appliances and systems

Accelerate the introduction of electric vehicles (EV)

Encourage environmentally-friendly lifestyles



## [Take advantage of Kyoto Mechanisms]

- ◆ Prototype Carbon Fund (PCF)
- ◆BioCarbon Fund (BioCF)
- ◆ Japan GHG Reduction Fund (JGRF)
- ◆ Methane Recovery CDM Project, Chile
- ◆Tuoli Wind Power CDM Project in Xinjiang Uygur AR., China
- ◆Hydro Power CDM Project in Guizhou Prov., China
- ◆Biomass Cogeneration CDM Project, Honduras
- ◆Co-Purchases with Japan Carbon Facility
- ◆Manasi Hydro Power CDM Project in Xinjiang Uygur AR., China
- ◆Wind Power CDM Project in Guangdong Prov., China
- ◆Wulabo Wind Power CDM Project in Xinjiang Uygur AR., China
- ◆Hydro Power CDM Project in Gansu Prov., China
- ◆Biomass Power Generation Project, Chile
- ◆Hydro Power CDM Project , Vietnam

## Investments Approx. 0.2 million t-CO<sub>2+</sub> lpha

**Funds** 

Total \$US 20.5 million

**Projects** 

(Credit purchase contracts)

Approx.8.6 million t-CO<sub>2</sub>

- ◆Biogas Supply Project, Thailand
- ◆Forestation project in New South Wales, Australia

\* Only publicly announced projects are listed above.

## [CO2 emissions, CO2 emission intensity (TEPCO)]

	FY1990	FY1995	FY2000	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	FY2008*
CO <sub>2</sub> emissions (Million t-CO <sub>2</sub> )	83.60	91.00	92.20	107.40	127 20	100 20	106.10	97.60	126 50	95.90
	03.00	91.00	92.20	107.40	127.20	103.20	100.10	91.00	120.50	(120.70)
CO <sub>2</sub> emission intensity (kg-CO <sub>2</sub> /kWh)	0.380	0.358	0.328	0.381	0.461	0.381	0.368	0.339	0.425	0.332
	0.500	0.55	0.520	0.501	0.701	0.501	0.500	0.55	0.423	(0.418)
(Reference: Electricity sales volume (Billion kWh)	219.9	254.4	280.7	281.9	276.0	286.7	288.7	287.6	297.4	289.0

<sup>\*</sup>Each number on this table shows adjusted emission intensity that reflects carbon credits based on the "Law Concerning the Promotion of the Measures to Cope with Global Warming" \*\*Number in ( ) shows actual emission intensity without carbon credits

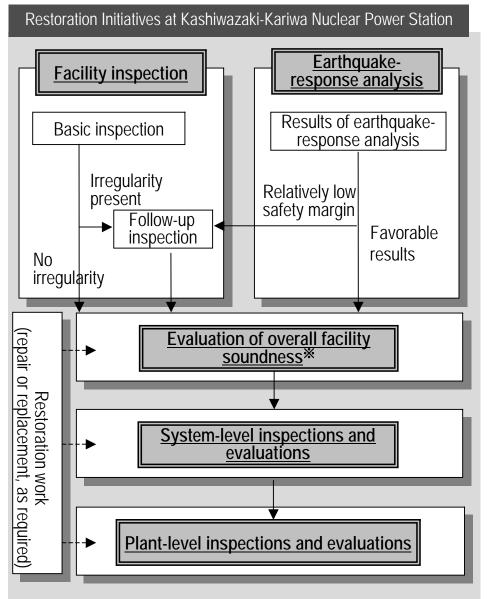


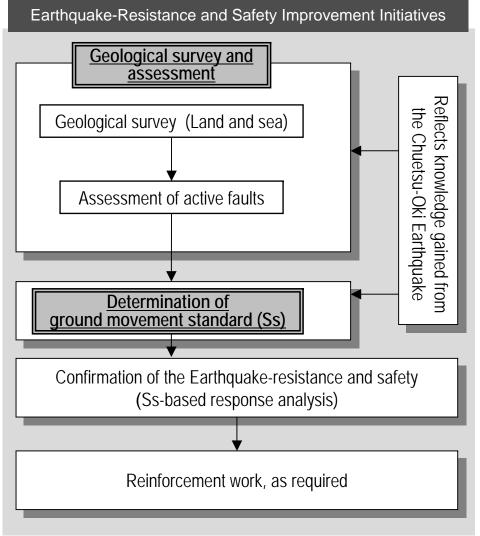
## [Reference]

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



## Construct Safe, Secure, Disaster-Resistant Nuclear Power Stations





<sup>\*\*</sup> Evaluation of overall facility soundness: Evaluation of individual facilities at the equipment level.



# **Overview of Status of Initiatives**

		Item	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
luation	Build- inks	inks (Initial submission date) (Jul. 18, 2008) (S		Submitted (Sep. 18, 2008)	Submitted (Jul. 18, 2008)	Submitted (Sep. 18, 2008)	Submitted (Sep. 18, 2008)	Submitted (May 20, 2008)	Submitted (Feb. 25, 2008)
Facility Soundness Evaluation	and Struct ures	Inspection & Evaluation	In progress	In progress	In progress	In progress	In progress	Report submitted (Dec.25, 2008)	Report submitted (Sep.1, 2008)
cility Soun		Submission of inspection and evaluation plan (Initial submission date)  Submitted (Feb. 6, 200		Submitted (May 16, 2008)	Submitted (Apr. 14, 2008)	Submitted (May 16, 2008)	Submitted (Apr. 14, 2008) <sup>1</sup>	Submitted (Mar. 7, 2008)	Submitted (Nov. 27, 2007)
	Faciliti es	Inspection and evaluation of each piece of equipment	In progress	In progress	In progress	In progress	In progress	Report submitted (Jan. 28, 2009) <sup>2</sup> (Jun. 23, 2009)	Report submitted (Sep. 19, 2008) <sup>2</sup> (Feb. 12, 2009)
it Initiative		Inspection and evaluation of each system  Inspection and evaluation of the plant as a whole						Report submitted (Jun. 23, 2009)	Report submitted (Feb. 12, 2009)
sistance orovemen								(Plan submitted) (Jun. 23, 2009)	Report submitted (Jun. 23, 2009)
Earthquake-Resistance and Safety Improvement Initiatives	Confirmation of the Earthquake-resistance and Safety initiatives		In progress	In progress	In progress	In progress	In progress	Report submitted (May 19, 2009)	Report submitted (Dec. 3, 2008)
Eartho and S	Work t	to strengthen earthquake resistance	In progress from Jan. 2009	In progress from Jun. 2009	In progress from Nov. 2008	In progress from May 2009	In progress from Jan. 2009	Completed (Jul. 2008 to Jan.2009)	Completed (Jun. to Nov. 2008)

Notes: 1. A plan for equipment shared with other units was submitted on March 7,2008, and a revised plan covering equipment other than that shared with other units was submitted on April 14, 2008.

2. Reports that have been submitted to date exclude the following inspections that were not possible.

Operation, leakage and other checks with fuel actually loaded in the reactors

Operation, leakage and other checks that cannot be executed until main turbines have been restored



## Progress to Date at Units 6 and 7 (Procedure for restarting operations)

#### Status of Unit 7

## [Up to the start of testing of overall plant functions (to May 8, 2009)]

- Feb. 12, 2009: Report on system-level inspections and evaluations submitted to national authority (Nuclear and Industrial Safety Agency (NISA))
  - → Received the evaluation reports saying restart would pose no safety problems from NISA on February 13 and from the Nuclear Safety Commission (NSC) on February 18.
- Feb. 19: Requests for permission to restart operations submitted to local governments of Niigata Prefecture, Kashiwazaki City and Kariwa Village.
- Apr. 7: The chairman of the Niigata Prefecture Nuclear Power Station Safety Administration Technical Committee (the Technical Committee)
  expressed the opinion that the evaluation of facility soundness and seismic safety was appropriate.
- May 8: Governor Izumida of Niigata Prefecture, Mayor Aida of Kashiwazaki City and Mayor Shinada of Kariwa Village approved restart of the operations.
- May 8: Examination of overall plant functions began (ended on June 19 -> Please refer to the next page for details on the testing process.

## [From the completion of examining overall plant functions to the present (June 19 to July 31)]

- Jun. 23: Report on testing and evaluation of overall plant functions submitted to the national authority (NISA).
  - → Received the evaluation reports mentioning no major safety problems in future operations from NISA on June 29, and from NSC on July 2.
- Jul. 7: The Technical Committee stated its opinion that the transition to commercial operations would pose no safety problems.
- Jul. 22: Governor Izumida of Niigata Prefecture, Mayor Aida of Kashiwazaki City and Mayor Shinada of Kariwa Village approved restart of the commercial operations.
- Jul. 23: Confirmed a slight upward trend in the readings from the high-sensitivity off-gas monitor of the waste gas treatment system. Delayed the planned test of overall performance under load. 

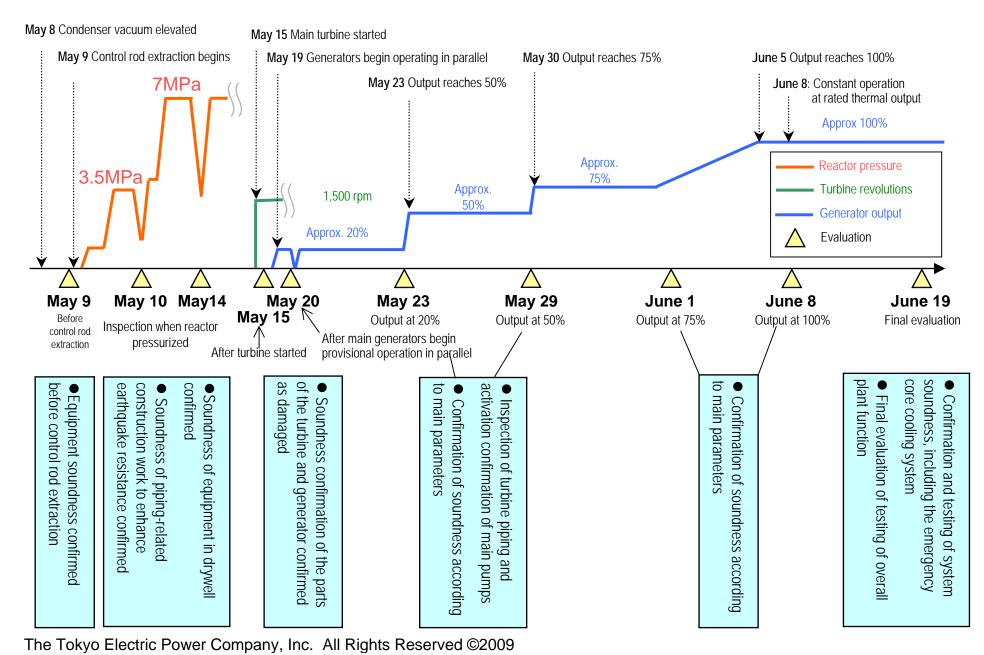
  Please refer to page 30 for details of current status.

#### ◆Status of Unit 6

- May 19: Report on confirmation of seismic safety submitted to the national authority (NISA). Revised version submitted on June 16.
- Jun. 23: Report on system-level inspections and evaluations submitted to the national authority (NISA).
  - → Received the evaluation that restart will pose no safety problems from NISA on June 29, and from NSC on July 2.
- Jul. 3: Reguests for permission to restart operations submitted to local governments of Niigata Prefecture, Kashiwazaki City and Kariwa Village.



# Testing of Overall Plant Functions at Unit 7



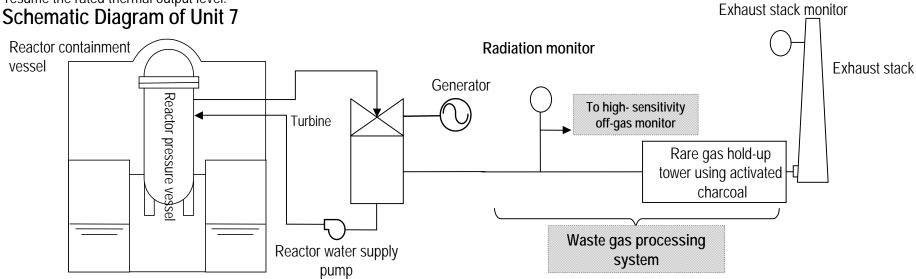


#### The Event and Current Status

- Jul. 23: A slight upward trend in the readings from the high-sensitivity off-gas monitor<sup>1</sup> of the waste gas treatment system<sup>2</sup> was confirmed. The planned test of overall performance under load was delayed.
  - → Subsequently, the readings from the monitor returned to normal levels.
- Jul. 24: The readings from the high-sensitivity off-gas monitor again trended upward. TEPCO affirmed that gaseous radioactive matter was leaking into the reactor cooling water through minute holes in the fuel rod cladding tubes.
- Jul. 24-29: Reduced plant output to approx. 800 thousand kW. After careful inspections, TEPCO detected a range of the fuel assemblies from which radioactive material had possibly leaked.
- Jul. 29: Restrained leakage of radioactive material from the detected fuel assemblies by completely inserting five of the closest control rods around the assemblies.
  - Note 1: A supplementary system installed to quickly detect the occurrence of leakage of extremely small amounts of gaseous radioactive material into the reactor cooling water through minute holes in the fuel rod cladding tubes. Monitoring by the usual waste gas treatment system did not confirm abnormal readings through separately installed equipment to monitor radiation.
  - Note 2: In order to maintain a vacuum in the condenser, we created a system for extracting and attenuating radioactive gas that could not condense in the condenser and discharging it through the exhaust stack.

## Our following procedures

• We keep strict control over the suspected fuel assemblies while paying attention to the indicators of the high-sensitivity off-gas monitor and then will plan to resume the rated thermal output level.

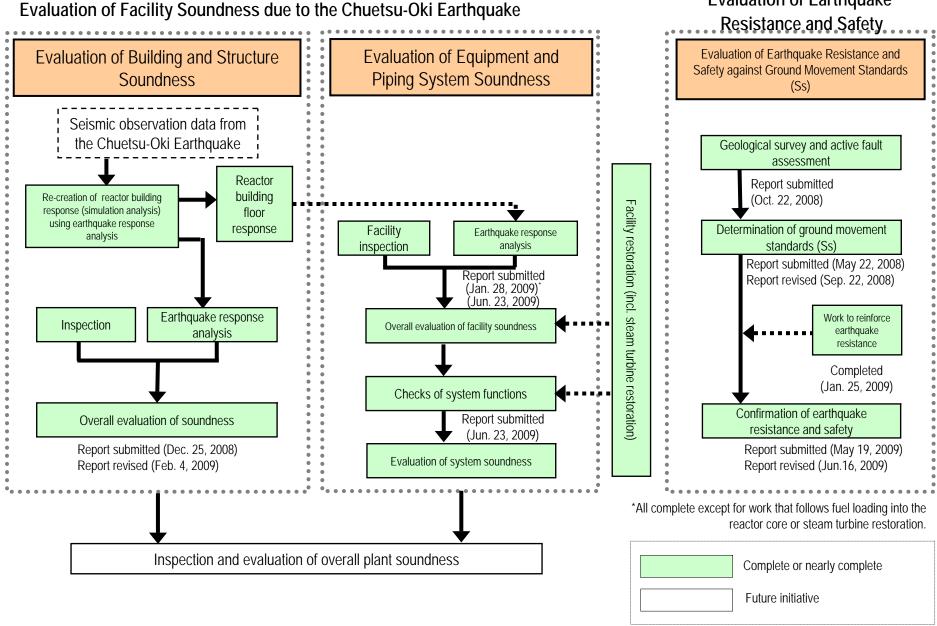


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**Evaluation of Earthquake** 



# Flow and Progress of Inspection and Analysis at Unit 6





## [Facility Soundness Evaluation]

# Status of Progress at Each Unit

- ◆ Status of Progress of Basic Inspections (Equipment-Level Inspection and Evaluation)
  - —Confirm the impact of an earthquake through testing, inspection and other means according to the particular features of each facility.

    As of July 15, 2009

		Equipment inspections completed/Equipment scheduled for inspection  [equipment scheduled for inspection is estimated] (Percentage completed [%])											
		Unit 1			Unit 5	Unit 6	Unit 7						
	Visual inspection	1,860/2,000	1,230/1,540	340/1,680	1,440/1,950	1,538/1,538	1,362/1,362						
Basic Ins	S Visual inspection (	(93%)	(80%)	(20%)	(74%)	(Completed)	(Completed)						
-	Operation testing 1,220/1,470 890/1,11		890/1,110	170/1,300	840/1,490	1,144/1,144	1,001/1,001						
Equipment pections	Function testing	(83%)	(81%)	(13%)	(56%)	(Completed)	(Completed)						
nent S	Lookogo tooting	540/1,020	260/700	20/650	290/820	719/719	616/616						
	Leakage testing	(53%)	(37%)	(3%)	(35%)	(Completed)	(Completed)						

- -TEPCO is executing the basic inspections discussed above based on the inspection and evaluation plan submitted to the national authority.
- -Previously, TEPCO confirmed that Unit 2 had no abnormalities as a result of visual inspection of the interior of reactors and other critical equipment at all units.

Visual inspection: visual confirmation of damage

Operation testing: includes confirmation of damage to pump performance related to flow rate, vibration and temperature Function testing: includes confirmation of the electrical properties and operation of meters and gauges

Leakage testing: includes checking for leakage by putting prescribed pressure in piping and valves



# Reinforcement Work

- ◆ TEPCO is conducting work as needed to reinforce the earthquake resistance of key facilities.
- Current schedule of work planned and in progress

Note: Excludes preparatory work

		2008						2009								
		Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.
Unit 1	Supports for piping and related equipment															$\Rightarrow$
	Reactor building roof trusses									:		:	:	:		
	Exhaust stack (shared with Unit 2)															<b>□</b> }}
	Fuel handling machine								[	: :	:		:	:	: :	<del></del>
	Emergency intake channel										:	:	:	:	:	<del>-</del> }}
Unit 2	Reactor building roof trusses															$\Rightarrow$
Unit 3	Reactor building roof trusses							:	:	:		:	:	:		
	Exhaust stack															<del>-</del> {}
Unit 4	Reactor building roof trusses													:	:	$\Rightarrow$
	Exhaust stack															<del></del>
Unit 5	Supports for piping and related equipment												:	:	:	<b>**</b>
	Reactor building roof trusses									:		;	:			
	Exhaust stack	[													:	<b>-</b> \$}
	Reactor building ceiling crane													:	:	<del>-</del> \$}
	Fuel handling machine												:	:	:	<del>-</del> \$}
Unit 6	Supports for piping and related equipment						:									
Unit 7	Reactor building roof trusses				<u>'</u>	Jnit 6										
(Completed)	Exhaust stack															
	Reactor building ceiling crane		Unit 7													
	Fuel handling machine															

◆ TEPCO is also conducting earthquake resistance and safety evaluations for facilities not listed above and will execute work as needed.

Geological survey and evaluation



# Governmental Inspection and Investigation System

