

# FY2011 1<sup>st</sup> Quarter Earnings Results (April 1, 2011 – June 30, 2011) Presentation Material

# Masaru Takei Executive Vice President & Representative Director

August 9, 2011

# Regarding Forward-Looking Statements

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 herein.

(Note)

Please note that the following to be 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.



# I. Overview of FY2011 1<sup>st</sup> Quarter Earnings Results



## Overview

- ✓ Both consolidated and non-consolidated operating revenues decreased. While unit sales prices rose year on year due to fuel price adjustments, electricity sales volume significantly dropped throughout the period.
- Ordinary income recorded a loss on each of consolidated and non-consolidated basis. A decrease in personnel and maintenance expenses was more than offset by significantly higher fuel expenses.
- ✓ TEPCO's quarterly net income showed a loss of ¥ 571.7 billion and ¥ 573.8 billion on consolidated and nonconsolidated basis, respectively. Factors include extraordinary loss on disposal and restoration of fixed assets damaged by the Great East Japan Earthquake and on foreseeable portion of future nuclear damage compensation.

• Operating Revenues:	【Consolidated】 【Non-consolidated】	<b>¥1,133.1 billion</b> (7.2% decrease, year-on-year) <b>¥1,077.9 billion</b> (7.8% decrease, year-on-year)
<ul> <li>Ordinary Income:</li> </ul>	【Consolidated】 【Non-consolidated】	-¥62.7 billion (¥112.2 billion decrease, year-on-year) -¥71.7 billion (¥103.0 billion decrease, year-on-year)
• Net Income:	【Consolidated】 【Non-consolidated	-¥571.7 billion (¥566.3 billion decrease, year-on-year) -¥573.8 billion (¥556.4 billion decrease, year-on-year)
<ul> <li>Equity Ratio:</li> </ul>	[Consolidated] [Non-consolidated]	7.1% (down 3.4 percentage points year-on-year) 5.2% (down 3.7 percentage points year-on-year)

# Full-year Performance Outlook

- ✓ For fiscal 2011, TEPCO cannot indicate its performance outlook for operating revenues, ordinary income/loss or net income/loss at this point as we see great difficulty in projecting annual power supply and demand to be greatly impacted by Great East Japan Earthquake.
- ✓ TEPCO will update the information as soon as the numbers are ready to be disclosed.



(Upper and lower rows show consolidated	d and non-consolidated	figures, respective	<u>,</u>		(Unit: Billion Yen)
		FY2011 (A)	FY2010 (B)		arison
		1st Quarter	1st Quarter	(A)-(B)	(A)/(B)(%)
Electricity Sales Volume	(billion kWh)	60.2	68.4	-8.3	87.9
Operating Revenues	consolidated	1,133.1	1,221.6	-88.5	92.8
	non-consolidated	1,077.9	1,169.0	-91.0	92.2
Operating Expenses		1,185.1	1,158.7	26.4	102.3
		1,140.0	1,116.7	23.3	102.1
Operating Income		-52.0	62.8	-114.9	-
		-62.0	52.2	-114.3	-
Ordinary Revenues		1,159.0	1,251.1	-92.0	92.6
		1,102.9	1,189.0	-86.1	92.8
Ordinary Expenses		1,221.8	1,201.6	20.1	101.7
		1,174.6	1,157.8	16.8	101.5
Ordinary Income		-62.7	49.4	-112.2	-
		-71.7	31.2	-103.0	-
Extraordinary Loss		503.2	57.1	446.0	-
Extraordinary Loss		503.0	56.6	446.3	-
Net Income		-571.7	-5.4	-566.3	-
Net Income		-573.8	-17.4	-556.4	-
Equity Datia	(0/)	7.1	18.0	-10.9	-
Equity Ratio	(%)	5.2	16.3	-11.1	-
Doturn on Accot	(0/)	-0.4	0.5	-0.9	-
Return on Asset	(%)	-0.4	0.4	-0.8	-
Forpings por Chara		-356.79	-4.04	-352.75	-
Earnings per Share	(Yen)	-357.77	-12.94	-344.83	-



- Electricity Sales Volume, Total Power Generated and Purchased

(Unite Dillion I/Mh 0/)

#### **Electricity Sales Volume**

		(Units: Billion kWh, %)					
		FY2011					
	April	Мау	June	1st Quarter			
Regulated segment	8.90 (-10.7)	7.50 (-12.2)	6.46 (-6.6)	22.86 (-10.1)			
Lighting	8.05 (-10.6)	6.72 (-12.2)	5.74 (-6.2)	20.51 (-10.0)			
Low voltage	0.68 (-13.4)	0.59 (-13.9)	0.55 (-10.3)	1.82 (-12.7)			
Others	0.16 (-7.1)	0.20 (-6.1)	0.16 (-5.3)	0.52 (-6.2)			
iberalized segment	12.06 (-15.9)	12.13 (-11.7)	13.15 <mark>(-12.1)</mark>	37.34 <mark>(-13.2)</mark>			
Commercial use	4.86 (-20.4)	4.65 (-18.8)	5.10 (-18.1)	14.62 (-19.1)			
Industrial use and others	7.19 (-12.5)	7.48 (-6.6)	8.05 (-7.9)	22.72 (-9.0)			
Fotal electricity sales volume	20.96 (-13.8)	19.63 (-11.9)	19.61 (-10.4)	60.19 (-12.1)			

[1st Quarter of FY 2011 Results]

O Total electricity sales volume significantly decreased year on year. In addition to our customers' cooperation for energy-saving, a considerable drop in industrial production level due to the Great East Japan Earthquake resulted in 12.1-percent overall sales volume decrease.

\*Outlook of FY2011 sales volume has not been yet estimated at this point.

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

#### **Total Power Generated and Purchased**

		(Units: Billion kWh, %)				
		FY2011				
	April	May	June	1st Quarter		
Grand Total	20.66	21.10	22.39	64.15		
	(-15.8)	(-9.2)	(-11.7)	(-12.3)		
Power generated by TEPCO	17.36	18.61	19.56	55.53		
Hydroelectric power generation	0.84	1.09	1.07	3.00		
Thermal power generation	12.90	13.78	14.88	41.56		
Nuclear power generation	3.62	3.74	3.61	10.97		
Power purchased from other companies	3.31	2.52	2.93	8.76		
Used at pumped storage	-0.01	-0.03	-0.10	-0.14		

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

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Average Monthly Temperate	(Unit: ° <b>c</b> )				
	Apr. May				
FY2011	13.8	18.1	22.5		
Change from the previous year	2.0	-0.2	-0.5		
Gap with average year	0.0	-0.1	1.1		

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.



	FY2011 1Q Actual (A)		FY2010 1Q Actual (B)		Comparis	son <mark>(A)-(B)</mark>
	Consolidated	Non-consolidated	Consolidated	Non-consolidated	Consolidated	Non-consolidated
<b>Operating Revenues</b>	1,133.1	1,077.9	1,221.6	1,169.0	-88.5	-91.0
Operating Income	-52.0	-62.0	62.8	52.2	-114.9	-114.3
Ordinary Income	-62.7	-71.7	49.4	31.2	-112.2	-103.0
Net Income	-571.7	-573.8	-5.4	-17.4	-566.3	-556.4

## <Factors behind variance between FY2011 1Q and FY2010 1Q results (Non-consolidated)>

ease in revenues from others in ordinary revenues rease in personnel expenses rease in maintenance expenses	Decrease in operating revenues <pre>             </pre> <pre></pre>	88 6 86 86 90
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in ordinary revenues rease in personnel expenses rease in maintenance expenses	Decrease in electricity sales volume to other utilities/suppliers	8 -86 15 -90
in ordinary revenues rease in personnel expenses rease in maintenance expenses		86 86 15 -90
in ordinary revenues rease in personnel expenses rease in maintenance expenses	Increase in fuel expenses	80 1! -90
rease in personnel expenses rease in maintenance expenses	Increase in fuel expenses	-9
rease in maintenance expenses	Increase in fuel expenses	-9
•	Increase in fuel expenses	
•		
toaco in donreciation ovnoncoc		3
rease in depreciation expenses		
	Increase in purchased power from other utilities/suppliers	_
	Increase in interest paid	-
rease in taxes and other public charges		
rease in nuclear power back-end costs		
rease in other expenses		1
n ordinary expenses		-1
rdinary Income		-10
vance for fluctuation in water level		
	Provision for depreciation of nuclear plants construction	-
		-44
		-1
		-55
Jä	ance for fluctuation in water level	Ance for fluctuation in water level

Note: Please see Page 16-18 for details of ordinary expenses.



	FY2011							
Key Factors Affecting Performance	1st Quarter	1st Half Projection		Full Year				
	Actual	As of Aug. 9 As of May 20		As of Aug. 9	As of May 20			
Electricity sales volume (billion kWh)	60.2	-	-	-	-			
Crude oil prices (All Japan CIF; dollars per barrel)	114.99	-	-	-	_			
Foreign exchange rate (Interbank; yen per dollar)	81.72	-	-	-	_			
Flow rate (%)	98.3	-	-	-	_			
Nuclear power plant capacity utilization ratio (%)	29.0	_	-	-	-			

[Reference]
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		FY2010 Actual	Performance
	1st Quarter	1st Half	Full Year
Electricity sales volume (billion kWh)	68.4	150.7	293.4
Crude oil prices (All Japan CIF; dollars per barrel)	81.31	78.38	84.16
Foreign exchange rate (Interbank; yen per dollar)	92.02	88.92	85.74
Flow rate (%)	102.8	100.2	101.3
Nuclear power plant capacity utilization ratio (%)	54.8	56.2	55.3

		(	Unit: Billion yen)
Financial Impact (sensitivity)	FY Full Year	【Reference】 FY2010 Full-Year	
	As of Aug. 9	As of May 20	Actual Performance
Crude oil prices (All Japan CIF; 1 dollar per barrel)	-	-	15.0
Foreign exchange rate (Interbank; 1 yen per dollar)	-	-	16.0
Flow rate (1%)	-	-	1.5
Nuclear power plant capacity utilization ratio (1%)	-	-	11.0
Interest rate (1%)	-	_	11.0

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.



- Financial Impact of March 11 Great East Japan Earthquake

## Extraordinary Loss from Natural Disaster

(Unit: billion yen)

Items	FY2010 Actual	FY2011 1st Quarter	Amount to Date
<ul> <li>O Expenses and/or losses for scrap and safety restoration at Fukushima Daiichi &amp; Daini NPSs</li> <li>Expenses and/or losses for securing safety through cooling reactors and avoiding further radiation proliferation</li> <li>Expenses and/or losses for scrapping Fukushima Daiichi Nuclear Power Station Units 1 through 4</li> </ul>	633.3	69.3	702.7
<ul> <li>O Other expenses and/or losses</li> <li>Expenses and/or losses for maintaining the status of "cold shutdown" at Fukushima Daiichi Units 5 and 6 and Fukushima Daini Units 1 through 4</li> <li>Losses on cancelation of Fukushima Daiichi Units 7 and 8 construction plan</li> <li>Expenses and/or losses for restoring damaged thermal power plants</li> <li>Other expenses and/or losses for restoration of transmission and distribution facilities and for transportation of machinery implements and materials</li> </ul>	384.2	35.9	420.1
Total	1,017.5	105.3	1,122.8

# Expenses for Nuclear Damage Compensation (Estimated Amount at this point)

(Unit: billion yen)

		(Onit.	billion yen)
Items	FY2010	FY2011	Amount
	Actual	al 1st Quarter 88.2 309.4	to Date
<ul> <li>Compensation for mental blow</li> <li>• Evacuees' mental blow until the end of emergency</li> </ul>	-	88.2	88.2
<ul> <li>Compensation for pecuniary damages and expenses caused by the evacuations</li> <li>Opportunity losses of workers living in and/or working in evacuation zones</li> <li>Opportunity losses of agriculture, forestry and fisheries business and small and mid-size businesses</li> </ul>	-	309.4	309.4
caused by Governmental evacuation instructions		397.7	397.7



## Fuel Consumption Results

	FY2007 Actual	FY2008 Actual	FY2009 Actual	FY2010 Actual	FY2011 1st Quarter	【Reference】 FY2010 1st Quarter
LNG (million tons)	19.87	18.97	18.51	19.46	5.29	4.38
Oil (million kl)	9.99	8.63	4.37	4.75	0.76	0.68
Coal (million tons)	3.46	3.10	3.54	3.02	0.22	0.70

Note 1. FY2011 projection has not been disclosed as it is quite difficult to foresee fuel consumption level in FY2011 at this point.

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

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

#### SPOT LNG of approx. 1.2 million ton included

## **Fuel Procurement**

Oil					LNG
Crude Oil			(Unit	: thousand kl)	
	FY2007	FY2008	FY2009	FY2010	
Indonesia	1,846	1,642	901	1,259	Alaska
Brunei	142	—	Ι	95	Brunei
China	—	_	_	-	Abu Dhabi
Vietnam	123	157	45	—	Malaysia
Australia	335	227	141	151	Indonesia
Sudan	744	569	157	70	Australia
Other	108	139	79	38	Qatar
Total imports	3,298	2,734	1,323	1,613	Darwin
Heavy Oil			(Unit : 1	housand kl)	Qalhat
	FY2007	FY2008	FY2009	FY2010	Sakhalin
Total imports	6,718	5,975	3,055	3,002	Spot contract
-					<b>T 1 1</b>

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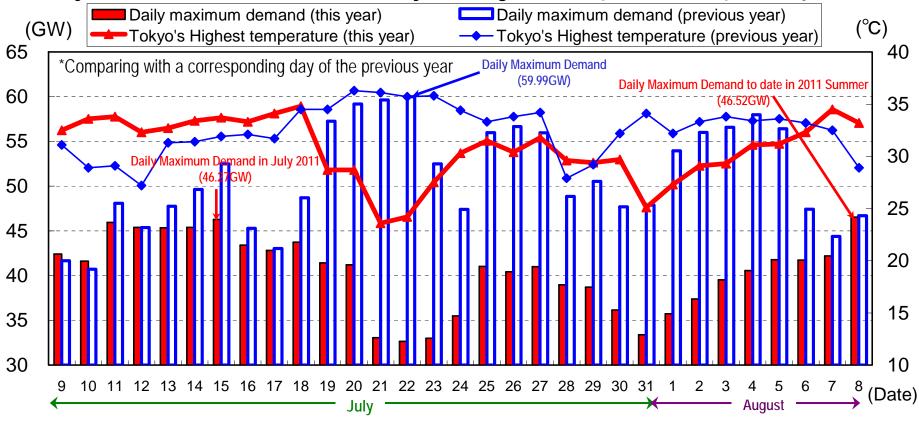
LNO				
			(Uni	t:thousand t)
	FY2007	FY2008	FY2009	FY2010
Alaska	582	523	422	418
Brunei	4,440	4,074	4,122	4,122
Abu Dhabi	5,119	4,942	4,870	4,761
Malaysia	4,690	4,091	3,862	3,874
Indonesia	161	107	109	166
Australia	484	964	281	352
Qatar	120	118	238	292
Darwin	2,061	2,217	2,388	2,131
Qalhat	754	685	757	561
Sakhalin	—	—	1,807	2,069
Spot contract	2,006	2,342	723	2,042
Total imports	20,417	20,063	19,579	20,788

#### Coal

	(Unit: thousand t								
	FY2007	FY2008	FY2009	FY2010					
Australia	3,498	3,054	3,384	2,915					
USA	—	_	40	_					
South Africa	—	_	_	_					
China	—	35	_	_					
Canada	83	45	-	87					
Indonesia	—	_	-	48					
Russia	—	—	—	—					
Total imports	3,581	3,134	3,424	3,050					



- ✓ As of August 8, the highest daily maximum power demand to date in this summer is <u>46.52GW</u>, recorded at 3PM on Monday, August 8. (Highest temperature in Tokyo area on the day: 33.2°C)
- A maximum demand in each day between the end of July and the beginning of August seems approximately 9 to 10GW lower than that on its corresponding day of the previous year. Most of the gap is thought to come from our customers' power-saving efforts.
- TEPCO is committed to avoiding rolling blackouts in this summer with every possible demand- and supply-side countermeasure.
- ☆ Daily Maximum Power Demand from July 9 to August 8 (compared with the previous year)



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# Progress status of Fukushima Daiichi Nuclear Power Station -1

# - Key Points of Progress Status in the "Roadmap towards Restoration from the Accidents"

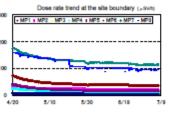
- On July 19, TEPCO updated the roadmap for immediate actions at Fukushima Daiichi Nuclear Power Station initially released about 3 months earlier. Regarding STEP 1 on the roadmap, we successfully achieved its goal: "radiation level steadily decreasing."
- No change has been made in the timeline of STEP 2 where we aim to achieve the target: "emissions of radioactive substances are fully under control and consequently radiation level is kept quite low."

#### 1. Basic policy (no change)

By bringing the reactors and spent fuel pools to a stable cooling condition and mitigating the release of radioactive materials, we will make every effort to enable evacuees to return to their homes and for all citizens to be able to secure a sound life.

#### Summary of Step 1

Radiation dose indicated by monitoring posts, etc. has been declining during the period of Step1 (see right 200 figure). TEPCO has evaluated current release of radioactive materials. Based on the evaluation of 100 exposure dose at the site boundary, it has been confirmed that the provisional dose is approximately 0 1.7mSV/year at the most (Cs134, 137), showing



sufficient decrease compared to that during the initial phase of the accident (see Reference 2). Therefore, accomplishment of the Step1 target "Radiation dose is in steady decline" has been confirmed.

#### 1. [Issue (1) Reactors]: Achieved "stable cooling"

- The target of "stable cooling" is considered to be achieved based on the following status:
- Temperature at the bottom of RPV does not show an upward trend and the heat generated in the reactor (decay heat) is being steadily removed.
- Water processing facility is in operation and water is injected without increasing the volume of accumulated water (circulating injection cooling).
- Reliability of water injection (countermeasures against abnormal condition, multiple water injection measures, etc.) is secured
- Hydrogen explosion is avoided by injecting nitrogen gas into the PCV.

#### 2. [Issue (2) Spent fuel pools]: Achieved "stable cooling" (particularly as for Units 2 and 3, the

#### target for Step 2, "more stable cooling," have been achieved)

- Water injection using existing line has begun in Unit 1 (May 29). In Unit 4, an external injection facility
  was installed (June 17) as an alternative to existing line and has achieved "stable cooling."
- Circulating cooling using heat exchanger has begun in Units 2 and 3, thus achieving the target for Step 2, "more stable cooling" (May 31 for Unit 2 and June 30 for Unit 3.)

#### 3. [Issue (3) Accumulated water]: Secured storage and began operation of processing facility

- Processing facility is in operation. By processing the accumulated water in the buildings, the risk of unintentional leakage to the environment has been mitigated.
- The number of tanks for storage is being increased gradually.
- Sludge waste with high radioactivity derived from the process is properly stored.

#### Issue (4) Groundwater]

- · Radiation analysis and water volume control of the subdrainage are implemented.
- In accordance with the decrease in accumulated water in the buildings, pumps will be restored

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gradually in order to discharge the subdrainage.

#### 5. [Issue (5) Atmosphere/Soil]

Main installation work of Unit 1 reactor building cover is underway.

#### 6. [Issue (6) Measurement, Reduction, Announcement]

- Monitoring scope/ the number of sampling have been expanded, measured and announced.
- Values such as radiation dose indicated by monitoring posts, etc. as well as radioactivity concentration in the seawater, etc. are in a declining trend.
- On the other hand, since the radioactivity concentration in the seawater in the plant port is still high, decontamination is being conducted utilizing circulation-type seawater processing apparatus.

#### 7. [Issue (7) Tsunami, Reinforcement, etc.]

- As a countermeasure against earthquakes, installation work of support structure in the spent fuel pool of Unit 4 is underway.
- As a countermeasure against tsunamis, temporary fide walls have been installed (June 30).

#### 8. [Issue (8) Life/work environment]

 On-site rest stations and temporary dormitories are being installed. Living conditions such as showers and meals have been improved.

#### 9. [Issue (9) Radiation control/Medical care]

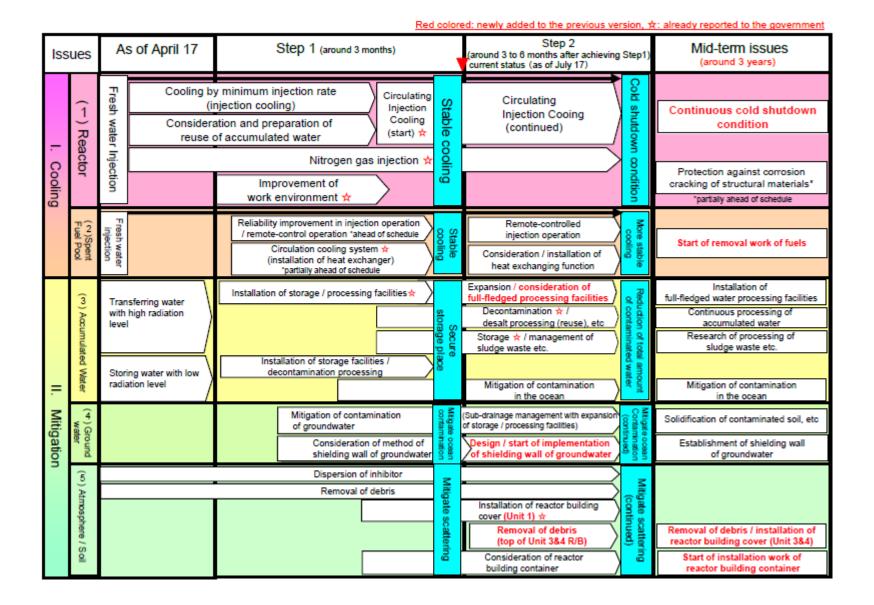
- Measurement and evaluation of external/internal exposure of workers are being conducted. The number of whole-body counter is increasing.
- Doctors with expertise in emergency exposure treatment, etc. are stationed at the site on a 24h-basis (more than one doctor is stationed) and an emergency medical treatment facility was opened (on July 1, in the service building of Units 5/6.)
- Experts on tragedy-induced stress have been deployed from the Ministry of Defense/National Defense Medical College. Countermeasures against mental health are being implemented (July 10.)
- Preventions against heat stroke are being implemented.

#### . Targets and achievement date for STEP2

- There is no change in the target of "Release of radioactive materials is under control and radiation dose is being significantly held down" and the target achievement date (3~6 months hereafter.)
- [Issue (1) Reactors]: Continue with the circulating injection cooling and properly monitor the RPV temperature, etc., thus bringing the reactors to a "cold shutdown condition."
- [Issue (2) Spent fuel pools]: Proceed with the installation works of circulating cooling system in Units 1
  and 4, and target for achieving circulating cooling similar to that in Units 2 and 3.
- [Issue (3) Accumulated water]: Strive hard for a stable operation of the processing facility, aiming to decrease the total volume of accumulated water.
- As for Issues 4~8, actions taken in Step1 will continue, and together with reduction of radiation, improvement of workers' life and work environment as well as health care will be enhanced.
- [Issue (9) Radiation control/Medical care]: Radiation control will be enhanced by implementing the
  following: increase in the number of whole body counters; monthly measurement of internal
  exposure; automatic recording of personal dose; enhancement of safety training for workers;
  consideration for long-term health care such as establishing a database. Industrial hygiene
  programs such as speedy transportation of urgent patients and preventive health care will be
  established.
- [Action towards mid-term issues]: The government will draft a mid-term safety policy and TEPCO will develop a plan based on the policy.



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## Progress status of Fukushima Daiichi Nuclear Power Station -2 - "Roadmap towards Restoration from the Accidents at Fukushima Daiichi Nuclear Power Station" (Cont'd)

#### Step 2 As of April 17 Step 1 (around 3 months) Mid-term issues Issues (around 3 to 6 months after achieving Step1) (around 3 years) current status (as of July 17) 6 ) Measurement, Reduction and Announcement III. Monitoring/ Decontamination 8 Continuous environmental Expansion, enhancement and announcement of radiation dose monitoring in and out of the power station contamination monitoring Start of full-fledged decontamination Continuous decontamination (~) Tsunami, Reinforcement, etc IV. Countermeasures against aftershocks, etc Mitigate Enhancement of countermeasures against aftershocks and tsunami, Continue various countermeasures preparation for various countermeasures for radiation shielding for radiation shielding disasters (Unit 4 spent fuel pool) Consideration / implementation of Reinforcement work of each Unit Installation of supporting structure 🛊 reinforcement work of each Unit (∞) Life/work environment in p Miron < ŝ Improvement of workers' life / Improvement of workers' life / work environment work environment Environment nent (c) Radiation con Medical care F improvement ₽ anno Improvement of radiation control / Improvement of radiation control / medical system medical system control are ă 9 Government's concept Measures of securing safety Response based on the plant or Mid-terr operation plan issues Establishing plant operation plan based on the safety concept

Red colored: newly added to the previous version, \*: already reported to the government



- At Units 1 through 3, we continually conduct pouring fresh water by temporary motor pumps into pressure vessels in order to cool down nuclear fuels.
- ✓ We have established a continuous circulatory water-cooling system and started its operations for Spent Fuel Pools of Units 2 through 4 to cool down spent nuclear fuels there.
- Highly contaminated water was found in each of Units 1 through 3 turbine building basements. We are currently discharging the water into the Central Radioactive Waste Disposal Facility.
- ✓ We continue injecting nitrogen, which is inert gas, into Units 1through 3 reactor containment vessels in order to greatly mitigate the risk of possible hydrogen explosions.
- ✓ TEPCO confirmed status of "cold shutdown" at Units 5 and 6 on March 20.

			Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6
0	"Shutdo	own"	0	0	0	_		-
Current Sit	"Cooling"	Reactor	$\Delta$ Circulatory Water- cooling/ N <sub>2</sub> Injection	$\Delta$ Circulatory Water- cooling/ N <sub>2</sub> Injection	$\Delta$ Circulatory Water- cooling/ N <sub>2</sub> Injection	— No Fuel in the Reactor	O Cold Shutdown	O Cold Shutdown
Situation an	Cooling	SFP	△ Freshwater Injection via Regular Lines	O Circulatory Cooling System	O Circulatory Cooling System	O Circulatory Cooling System	0	0
d Status	"Containn	nent"*	△ Disposing Operations of Highly Contaminated Water started	△ Disposing Operations of Highly Contaminated Water started	△ Disposing Operations of Highly Contaminated Water started	Δ	0	0

\* Top of the Units 1, 3 and 4 Reactor Buildings have severely damaged. At Unit 2, the containing function of the pressure suppression chamber is unlikely to be maintained. Moreover, we made holes in the walls of Units 5 and 6 reactor buildings to prevent hydrogen accumulation.

\* Provisional analyses on Units 1 through 3 incidents concluded that nuclear fuel pellets have melted, falling to the bottom of each of the reactor pressure vessels. The temperature in the reactor pressure vessels, however, are at the range of 100°C and 130°C. The vessels have been steadily cooled down by continual freshwater injection.



# Ⅱ. FY2011 1<sup>st</sup> Quarter Earnings Results (Detailed Information)



			(Unit:	Billion yen)	
	FY2011 (A)	FY2010 (B)	Comp	arison	
	1st Quarter	1st Quarter	(A)-(B)	(A)/(B) (%)	
Operating Revenues	1,133.1	1,221.6	-88.5	92.8	
Operating Expenses	1,185.1	1,158.7	26.4	102.3	
Operating Income	-52.0	62.8	-114.9		
Non-operating Revenues	25.9	29.5	-3.5	88.0	➤¥ 5.5 billion unusual profits for negative
Investment Gain under the Equity Method	10.4	13.6	-3.1	76.9	goodwill along with acquisition of Tokyo Energy & Systems Inc.'s stock was recorded
Non-operating Expenses	36.6	42.9	-6.2	85.4	in the same period of the previous year.
Ordinary Income	-62.7	49.4	-112.2	_	
(Reversal of or Provision for) Reserve for Fluctuation in Water Levels	-1.1	3.4	-4.6	_	<ul> <li>Extraordinary Loss from Natural Disaster</li> <li>: <u>¥105.5 billion</u></li> <li>Expanses for Nuclear Damage Componentian</li> </ul>
(Reversal of or Provision for) Reserve for Depreciation of Nuclear Plants Construction	0.2	_	0.2	_	Expenses for Nuclear Damage Compensation : <u>¥397.7 billion</u>
Extraordinary Loss	503.2	57.1	446.0	—	
Income Tax and etc.	5.9	-6.3	12.2	—	>¥57.1 billion extraordinary loss in compliance
Minority Interests	0.7	0.5	0.1	132.1	with Accounting Standards for Asset Retirement Obligations was recorded in the same period
Net Income	-571.7	-5.4	-566.3	_	of the previous year.



(Unit: Billion yen)

			(0111	
	FY2011 (A) FY2010 (B)		Comp	arison
	1st Quarter	1st Quarter	(A)-(B)	(A)/(B) (%)
Ordinary Revenues	1,102.9	1,189.0	-86.1	92.8
Operating Revenues	1,077.9	1,169.0	-91.0	92.2
Operating Revenues from Electric Power Business	1,057.3	1,152.1	-94.8	91.8
Electricity Sales Revenues	1,006.2	1,094.5	-88.2	91.9
Lighting	430.5	474.6	-44.0	90.7
Power	575.7	619.9	-44.2	92.9
Power Sold to Other Utilities	18.7	29.3	-10.6	63.8
Power Sold to Other Suppliers	8.6	4.4	4.2	195.8
Other Revenues	23.6	23.8	-0.1	99.2
Operating Revenues from Incidental Business	20.6	16.8	3.8	122.6
Non-operating Revenues	24.9	20.0	4.8	124.4



(Unit: Billion yen)

			(01	III. DIIIIOH YEH
	FY2011 (A)	Compa	arison	
	1st Quarter	1st Quarter	(A)-(B)	(A)/(B) (%)
rdinary Expenses	1,174.6	1,157.8	16.8	101.5
Operating Expenses	1,140.0	1,116.7	23.3	102.1
Operating Expenses for ElectricPower Business	1,119.6	1,100.9	18.7	101.7
Personnel	99.8	115.4	-15.5	86.5
Fuel	404.7	314.3	90.3	128.7
Maintenance	62.1	93.7	-31.5	66.3
Depreciation	157.5	166.7	-9.2	94.
Power Purchasing	177.1	167.3	9.7	105.8
Taxes, etc.	86.4	92.9	-6.4	93.
Nuclear Power Back-end	26.6	30.1	-3.5	88.
Other	105.3	120.2	-14.9	87.0
Operating Expenses for Incidental Business	20.3	15.8	4.5	128.9
Non-operating Expenses	34.6	41.0	-6.4	84.
Interest Paid	32.6	31.6	1.0	103.
Other Expenses	1.9	9.3	-7.4	20.

# Year-on-Year Comparison of Ordinary Expenses – 1 (Non-consolidated) 16

Personnel expenses (¥115.4 billion to ¥99.8 billion)								-¥15.5 billion	
Salary and	d benefits (¥8	0.5 billion to ¥7	3.2 billion)						-¥7.3 billion
Retiremer	nt benefits (¥1	1.3 billion to ¥6	o.0 billion)						-¥5.3 billion
Decreas	se in amortizati	ion of actuarial di	fference (¥2.7 b	illion to - <mark>¥2.5 bi</mark> l	llion)				
	<amortiza< td=""><td>ation of Actua</td><td>rial Difference</td><td></td><td>_</td><td></td><td></td><td></td><td></td></amortiza<>	ation of Actua	rial Difference		_				
				Expenses/P	rovisions in Each	Period (B)			
Reduced return o	European Company		FY2008	FY2009	FY20	10	FY2011	Amount Uncharged	
pension plan assu		incurred (A)					1st Quarter	as of Jun. 30, 2011	
lower stock prices in FY2007 and FY2008		incurred (A)	Charged	Charged	Of which charged in 1st Quarter	Charged	Charged	(A)—(B)	
	FY2007	100.1	33.3	33.3	—		_	—	
	FY2008	68.1	22.7	22.7	5.6	22.7	—	—	
	FY2009	-35.0	—	-11.6	-2.9	-11.6	-2.9	-8.7	
	FY2010	4.5	—	—		1.5	0.3	2.6	
	Total		51.6	44.4	2.7	12.5	-2.5	-6.1	

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

## Fuel expenses (¥314.3 billion to ¥404.7 billion)

### +¥90.3 billion

Consumption volume	
Decrease in nuclear power generated (Nuclear power generated 20.7 billion kWh to 11.0 billion kWh)	+¥87.0 billion
(Nuclear power plant capacity utilization ratio 54.8% to 29.0%)	
Decrease in power purchased from other utilities/suppliers	+¥42.0 billion
Decrease in hydroelectric generated and purchased, etc.(Flow rate:102.8% $\rightarrow$ 98.3%)	+¥4.0 billion
Decrease in total power generated and purchased (73.1 billion kWh to 64.1 billion kWh)	-¥86.0 billion
Price	
Rise in fuel prices (ex. All Japan CIF crude oil price: \$81.31/barrel to \$114.99/barrel)	+¥84.0 billion
Yen appreciation (¥92.02=\$1 to ¥81.72=\$1)	-¥41.0 billion

#### Year-on-Year Comparison of Ordinary Expenses – 2 (Non-consolidated) 17

Maintenance expenses (¥93.7 billion to	¥62.1 billion)		-¥31.5 billion
Generation facilities (¥41.1 billion to ¥23.7 billion)			-¥17.4 billion
Hydroelectric power (¥3.0 billion to ¥2.2 billion)		-¥0.7 billion	
Thermal power (¥19.9 billion to ¥17.2 billion)	Factors for Increase/Decrease	-¥2.7 billion	
Nuclear power (¥17.9 billion to ¥4.0 billion)	Nuclear Power: Decrease in expense for periodic inspection-related works	-¥13.8 billion	
Renewable energy (¥0.2 billion to ¥0.1 billion)		-¥0.0 billion	
Distribution facilities (¥51.4 billion to ¥37.5 billion)			-¥13.9 billion
Transmission (¥5.6 billion to ¥2.7 billion)		-¥2.8 billion	
Transformation (¥4.4 billion to ¥1.7 billion)	Factors for Increase/Decrease	-¥2.6 billion	
Distribution (¥41.3 billion to ¥33.0 billion)	Distribution: Decrease in expense for replacement work of transformers, safety fuses and etc.	-¥8.3 billion	
Others (¥1.0 billion to ¥0.9 billion)			-¥0.1 billion

### Depreciation expenses (¥166.7 billion to ¥157.5 billion)

Depreciation expenses (¥166.7 billion to ¥157.5 billion)		-¥9.2 billion
Generation facilities (¥69.2 billion to ¥62.5 billion)		-¥6.7 billion
Hydroelectric power (¥10.1 billion to ¥9.5 billion)	-¥0.5 billion	
Thermal power (¥32.4 billion to ¥29.2 billion)	-¥3.2 billion	
Nuclear power (¥26.6 billion to ¥23.6 billion)	-¥2.9 billion	
Renewable energy (¥0 billion to ¥0 billion)	+¥0.0 billion	
Distribution facilities (¥93.7 billion to ¥91.2 billion)		-¥2.4 billion
Transmission (¥43.1 billion to ¥42.2 billion)	-¥0.8 billion	
Transformation (¥18.4 billion to ¥17.7 billion)	-¥0.7 billion	
Distribution (¥32.1 billion to ¥31.3 billion)	-¥0.8 billion	
Others(3.7 billion to ¥3.7 billion)		-¥0.0 billion

#### <Depreciation Breakdown>

	FY2010_1Q	FY2011_1Q
Regular depreciation	¥165.1 billion	¥156.8 billion
Extraordinary depreciation	¥0.4 billion	¥0.6 billion
Trial operations depreciation	¥1.0 billion	¥0.0 billion

# Year-on-Year Comparison of Ordinary Expenses – 3 (Non-consolidated) 18

Power purchasing cost (¥167.3 billion to ¥177.1 billion)			+¥9.7 billion
Power purchased from other utilities (¥43.2 billion to ¥56.4 billion) Power purchased from other suppliers (¥124.1 billion to ¥120.6 billion)		m other utilities: Increase due to emergency supply from other utilities m other suppliers: Decrease due to shutdown of suppliers' plants after	+¥13.1 billion -¥3.4 billion
Taxes and other public charges (¥92.9 billion to ¥86.4 bill	ion)		-¥6.4 billion
Electric power development promotion tax (¥26.7 billion to ¥23.6 billion) Enterprise tax (¥12.8 billion to ¥11.4 billion)		e/Decrease elopment promotion tax: Decrease in electricity sales volume, etc. crease in operating revenues	-¥3.1 billion -¥1.3 billion
Nuclear power back-end costs (¥30.1 billion to ¥26.6 billion	on)		-¥3.5 billion
Irradiated nuclear fuel reprocessing expenses (¥23.3 billion to ¥23.6 billion) Expenses for future reprocessing of irradiated nuclear fuel (¥2.1 billion to ¥ Decommissioning costs of nuclear power units (¥4.6 billion to ¥2.4 billion)		Factors for Increase/Decrease Expenses for future reprocessing of irradiated nuclear fuel : Decrease in reserve fund due to a decrease in the amount of nuclear power generated	+¥0.2 billion -¥1.6 billion -¥2.2 billion
Other expenses (¥120.2 billion to ¥105.3 billion)			-¥14.9 billion
Expense for disposal of fixed assets (¥13.2 billion to ¥8.6 billion) Expense for sales and promotion (¥5.7 billion to ¥2.7 billion)			-¥4.5 billion -¥3.0 billion
Incidental business operating expenses (¥15.8 billion to	¥20.3 billion)		+¥4.5 billion
Energy facility service business (¥0.4 billion to ¥0.3 billion) Real estate leasing business (¥1.1 billion to ¥1.0 billion) Gas supply business (¥13.5 billion to ¥18.1 billion) Other incidental business (¥0.6 billion to ¥0.7 billion)	Factors for Increas Gas supply busine	e/Decrease ss: Increase in both sales volume and raw material price	-¥0.0 billion -¥0.0 billion +¥4.5 billion +¥0.1 billion
Interest paid (¥31.6 billion to ¥32.6 billion)			+¥1.0 billion
Lower average interest rate (1.71% in FY2010/1Q to 1.47% in FY2011/1Q)		· · · · · · · · · · · · · · · · · · ·	-¥1.8 billion
Increase in the amount of interest-bearing debt (¥7,465.9 billion in the end of FY2	010/1Q to ¥8,647.1 I	illion in the end of FY2011/1Q)	+¥2.9 billion
Other non-operating expenses (¥9.3 billion to ¥1.9 billion	)		-¥7.4 billion
Paper loss, etc.			-¥6.9 billion
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# Balance Sheets (Consolidated and Non-consolidated)

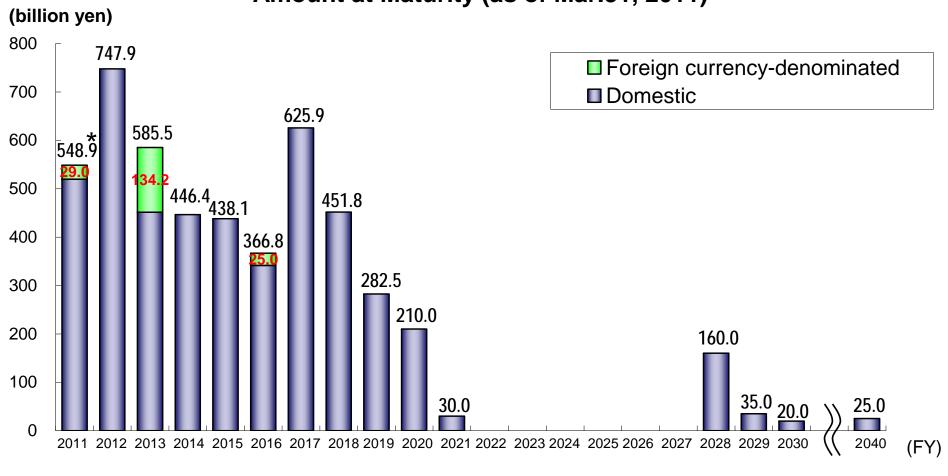
Upper and lower rows show consolidated and	Jpper and lower rows show consolidated and non-consolidated figures, respectively)         Jun. 30,         Mar. 31,											
		2011 (A)	2011 (B)	<u>Compa</u> (A)-(B)	(A)/(B) (%)							
	(Consolidated)	14,294.0	14,790.3	-496.3	96.6							
Fotal Assets	(Non-consolidated)	13,752.7	14,255.9	-503.2	96.5							
Fixed Assets		11,833.3	11,875.6	-42.2	99.6							
Fixed Assels		11,447.8	11,530.3	-82.4	99.3							
Electricity Business		7,593.7	7,673.2	-79.5	99.0							
Incidental Business		59.8	60.8	-1.0	98.3							
(*) Non-Business		6.2	5.5	0.7	113.4							
Construction in Progress		711.0	700.2	10.7	101.5							
Nuclear Fuel		867.3	870.4	-3.0	99.6							
Others		2,209.6	2,219.8	-10.2	99.5							
Current Assets		2,460.6	2,914.7	-454.0	84.4							
Current Assets		2,304.8	2,725.6	-420.8	84.6							
Liabilities		13,243.0	13,187.8	55.1	100.4							
Liabilities		13,042.5	12,991.1	51.3	100.4							
Long-term Liability		11,504.9	11,301.7	203.2	101.8							
		11,293.6	11,088.7	204.9	101.8							
Current Liability		1,727.8	1,874.9	-147.1	92.2							
		1,738.5	1,891.2	-152.6	91.9							
Reserves for Fluctuation in		7.7	8.8	-1.1	86.8							
Water Level		7.7	8.8	-1.1	86.8							
Reserves for Depreciation of Nuclea	r	2.5	2.2	0.2	111.7							
Plants Construction		2.5	2.2	0.2	111.7							
let assets		1,050.9	1,602.4	-551.4	65.6							
vel assels		710.2	1,264.8	-554.6	56.2							
Shareholders' Equity		1,058.5	1,630.3	-571.7	64.9							
Shareholders Equity		712.3	1,286.2	-573.9	55.4							
Valuation, Translation Adjustments		-49.1	-72.1	23.0	68.0							
and Others		-2.1	-21.4	19.2	10.0							
Equity Warrant		0.0	0.0	0.0	100.0							
		—	—	_								
Minority Interests		41.5	44.3	-2.8	93.7							
		_	_	_								
* )Non-consolidated												
nterest-bearing Debt Outstanding		8,770.4	9,024.1	-253.6	97.2							
		8,647.1	8,904.0	-256.8	97.1							
Equity Ratio (%)		7.1	10.5	-3.4	_							
		5.2	8.9	-3.7	_							

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	<b>5</b> (I	Jnit: Billion yen)
	Jun. 30,	Mar. 31,
	2011	2011
Bonds	4,724.6	4,974.5
DUIIUS	4,724.0	4,974.0
Long-term debt	3,637.6	3,643.2
	3,519.1	3,525.9
Short-term debt	408.1	406.2
	404.0	404.0
Commercial paper	-	-
	-	-
	-	-

Interest-bearing debt outstanding

Note:Upper and lower rows show consolidated and non-consolidated figures, respectively [Reference] **Schedules for Corporate Bond Redemption** 



# Amount at Maturity (as of Mar.31, 2011)

\*The amount redeemed in the 1<sup>st</sup> quarter of FY2011 totaled ¥250 billion.



## Seasonal Breakdown of Electricity Sales - Sales Volume, Total Power Generated and Purchased

(Units: Billion kWh, %)

_											(onits) billion ktvi					
					FY2	2010					FY	2011				
	Electricity Sales Volume	April	May	June	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Full Year	April	Мау	June	1st Quarter			
Re	egulated segment	9.97	8.54	6.91	25.42	31.59	25.06	33.53	115.60	8.90	7.50	6.46	22.86			
INC.	guiated segment	(8.7)	(8.0)	(1.1)	(6.3)	(18.3)	(2.3)	(3.6)	(7.5)	(-10.7)	(-12.2)	(-6.6)	(-10.1)			
		9.00	7.65	6.13	22.78	27.59	22.63	30.42	103.42	8.05	6.72	5.74	20.51			
	Lighting	(8.9)	(8.3)	(1.2)	(6.5)	(18.2)	(2.5)	(3.9)	(7.6)	(-10.6)	(-12.2)	(-6.2)	(-10.0)			
	Low voltage	0.79	0.68	0.61	2.09	3.55	2.05	2.61	10.30	0.68	0.59	0.55	1.82			
	LUW VUILAYE	(8.7)	(7.0)	(0.9)	(5.7)	(21.8)	(2.2)	(1.4)	(8.8)	(-13.4)	(-13.9)	(-10.3)	(-12.7)			
	Others	0.18	0.21	0.17	0.56	0.45	0.37	0.51	1.88	0.16	0.20	0.16	0.52			
	UTIEIS	(-0.4)	(0.4)	(-0.7)	(-0.2)	(-2.0)	(-5.6)	(-2.9)	(-2.5)	(-7.1)	(-6.1)	(-5.3)	(-6.2)			
1 ik	peralized segment	14.33	13.73	14.96	43.02	50.63	43.00	41.13	177.79	12.06	12.13	13.15	37.34			
	Jeralizeu seyment	(6.0)	(4.9)	(4.4)	(5.1)	(8.4)	(1.3)	(-3.3)	(3.0)	(-15.9)	(-11.7)	(-12.1)	(-13.2)			
	Commercial use	6.11	5.73	6.23	18.06	23.08	17.99	18.22	77.36	4.86	4.65	5.10	14.62			
	Commercial use	(0.8)	(-0.1)	(-1.2)	(-0.2)	(7.2)	(-0.6)	(-3.2)	(1.1)	(-20.4)	(-18.8)	(-18.1)	(-19.1)			
	Industrial use and others	8.22	8.00	8.73	24.96	27.54	25.02	22.91	100.43	7.19	7.48	8.05	22.72			
	industrial use and others	(10.2)	(8.8)	(8.7)	(9.2)	(9.3)	(2.7)	(-3.5)	(4.5)	(-12.5)	(-6.6)	(-7.9)	(-9.0)			
То	tal electricity sales volume	24.30	22.27	21.87	68.45	82.21	68.06	74.67	293.39	20.96	19.63	19.61	60.19			
10	dai electricity sales volume	(7.1)	(6.1)	(3.3)	(5.5)	(12.0)	(1.7)	(-0.4)	(4.7)	(-13.8)	(-11.9)	(-10.4)	(-12.1)			
NI	ata Electron la constitución de contra constitución		1	D L	1.1.1.11	1 1	- 1									

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

(Units: Billion kWh, %)

					FY2	2010					FY20	)11	
	Total Power Generated and Purchased	April	May	June	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Full Year	April	Мау	June	1st Quarter
Total power generated and purchased		24.55	23.24	25.34	73.13	88.93	75.27	79.32	316.65	20.66	21.10	22.39	64.15
1018	Total power generated and purchased		(1.9)	(5.9)	(5.6)	(12.4)	(0.1)	(-2.0)	(4.0)	(-15.8)	(-9.2)	(-11.7)	(-12.3)
Power generated by TEPCO		20.58	18.94	20.94	60.46	75.96	61.58	66.07	264.07	17.36	18.61	19.56	55.53
I	Hydroelectric power generation	1.09	1.27	1.19	3.55	3.51	2.18	2.03	11.27	0.84	1.09	1.07	3.00
l	Thermal power generation	12.39	10.92	12.87	36.18	50.45	38.41	43.91	168.95	12.90	13.78	14.88	41.56
_	Nuclear power generation	7.10	6.75	6.88	20.73	22.00	20.99	20.13	83.85	3.62	3.74	3.61	10.97
F	Power purchased from other companies	4.08	4.52	4.61	13.21	14.38	14.00	13.67	55.26	3.31	2.52	2.93	8.76
Used at pumped storage		-0.11	-0.22	-0.21	-0.54	-1.41	-0.31	-0.42	-2.68	-0.01	-0.03	-0.10	-0.14

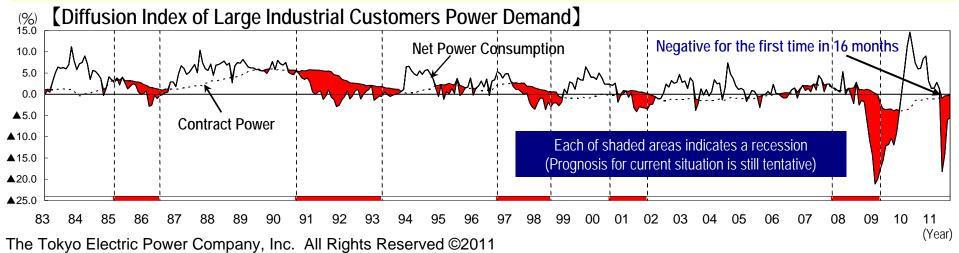
Note: Figures in parentheses denote percentage change from the previous year. Rounded to the nearest decimal point.

Quarterly electricity sales volume to large-scale industrial customers shrank 8.5% year on year due to a significant drop in industrial production level caused by the Great East Japan Earthquake and customers' energy-saving efforts.

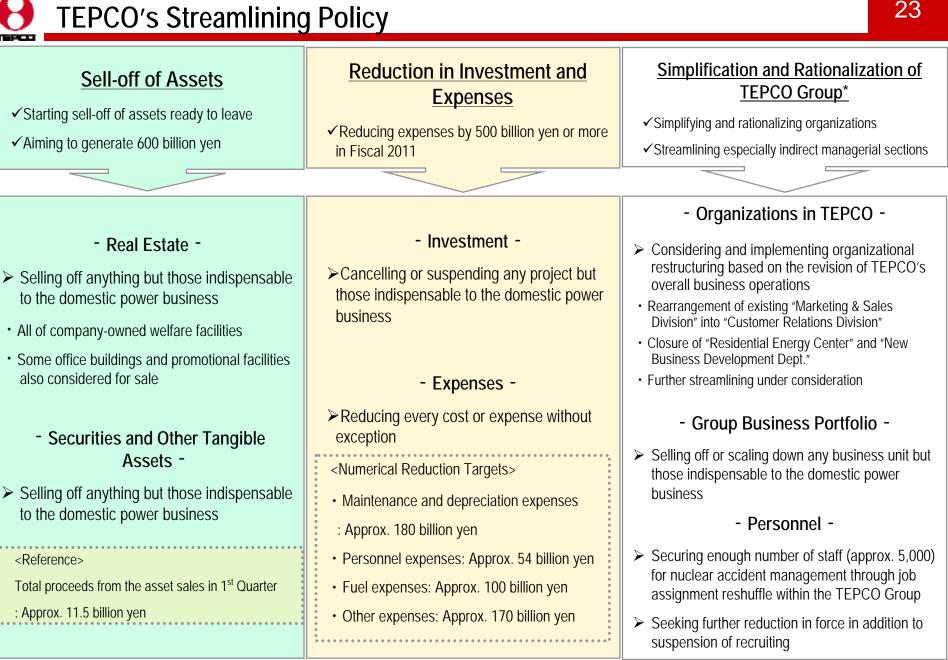
(Year-on-year Elec	tricity S	Sales Gr	owth i	n Large	Industr	rial Cust	tomer Se	egment】			(	(Unit:: %)
			·	FY:	2010					FY20	J11	
	April	May	June	1stQuarter	2ndQuarter	r 3rdQuarter	4thQuarter	Full Year	Apr.	Мау	Jun.	1stQuarter
Paper & pulp	9.6	-0.0	6.3	5.2	7.0	6.3	3.5	5.6	0.9	1.2	-3.7	-0.6
Chemicals	9.6	16.2	10.3	12.0	12.2	2.6	-4.2	5.5	-15.2	-3.0	0.6	-5.7
Ceramics & stone	8.5	3.9	7.4	6.6	2.3	-1.5	-5.5	0.3	-10.0	-2.7	-3.5	-5.4
Ferrous metals	37.2	37.5	35.5	36.7	13.2	17.5	10.4	18.9	2.6	13.0	-5.3	3.2
Non-ferrous metals	20.8	11.4	6.4	12.5	9.3	3.9	-6.3	4.7	-15.5	-3.8	-4.5	-7.9
Machinery	19.1	13.4	13.4	15.2	14.7	4.0	-6.2	6.7	-16.7	-9.2	-10.0	-12.0
Other industries	2.9	2.4	3.4	2.9	6.1	0.1	-5.1	1.2	-13.4	-9.8	-9.7	-10.9
Total for Large Industrial Customers	10.8	9.3	9.2	9.8	9.3	3.1	-3.7	4.6	-12.4	-5.7	-7.5	-8.5
[Ref.] 10-company total	15.2	12.4	<b>12.0</b>		10.7	5.3	1.2	7.5	-6.2	-3.3	-2.8	-4.1

\*Preliminary figures for "10-company total" June and 1st Quarter.

Due to the March 11 earthquake, March's net power consumption by large-scale industrial customers significantly decreased. As a result, in March, its monthly year-on-year growth rate fell below the corresponding rate of contract power for the first time in 16 months since November 2009. Since then, the gap remains negative for four consecutive months.







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\*Detailed plan will be disclosed by the end of this year.



## Members of the Committee

Ms. Mami Indo, Senior Managing Director, Daiwa Institute of Research Ltd.

- Mr. Yoshiyuki Kasai, Chairman, Central Japan Railway Company
- Mr. Kazuhiko Shimokobe, Attorney = Chair of the Committee
- Mr. Toshihiro Matsumura, Professor, Institute of Social Science, Univ. of Tokyo
- Mr. Hirokazu Yoshikawa, Chairman, DOWA Holdings Co., Ltd.

(Source) Press Release from Cabinet Secretariat of Japan on June 16, 2011

## Key Issues and Schedule

## ✓ August through September

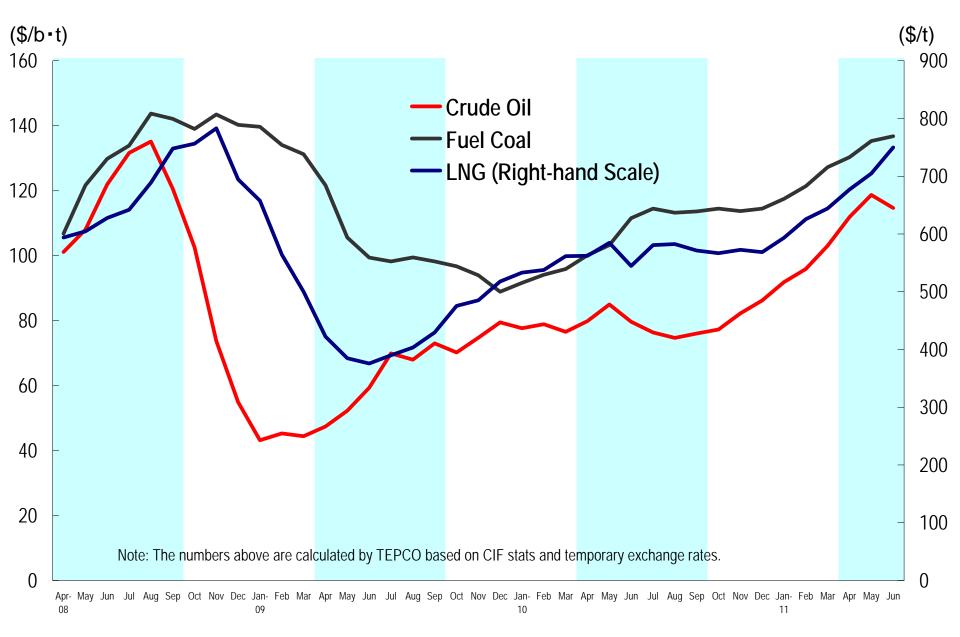
- > Examining key issues and defining directions
  - Issue #1. Rigorous assessment of the company's assets and identification of the ones for sale
  - Issue #2. Scrutiny on the company's capital investment and procurement, improvement of the company's inefficient cost structure
  - Issue #3. Verification and improvement of the appropriateness of current electricity rate settlement procedures
  - Issue #4. Discussion on importance of more competitive power wholesale market and on appropriate capital investment in "Smart Grid"
  - Issue #5. Desirable future management of TEPCO from a long-term perspective
- Receiving reports about key and related issues from the task force team and instructing the team to conduct additional investigations, based on the progress of due diligence on TEPCO
- > Exchanging opinions unofficially other than in official committee meetings

## ✓ <u>Mid-to-late September</u>

➤ Compiling committee's final reports

(Source) Press Release from Cabinet Secretariat of Japan on July 28, 2011





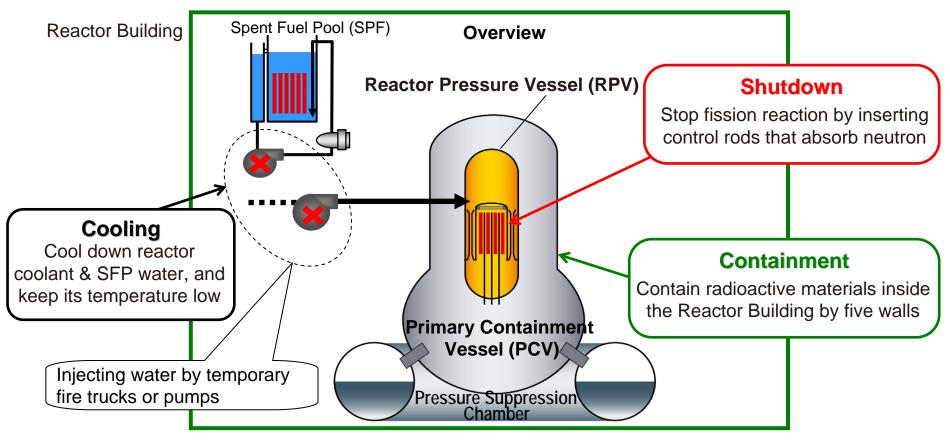
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# [Reference] The Current Status of Fukushima Daiichi & Daini Nuclear Power Stations and Compensation-related Issues

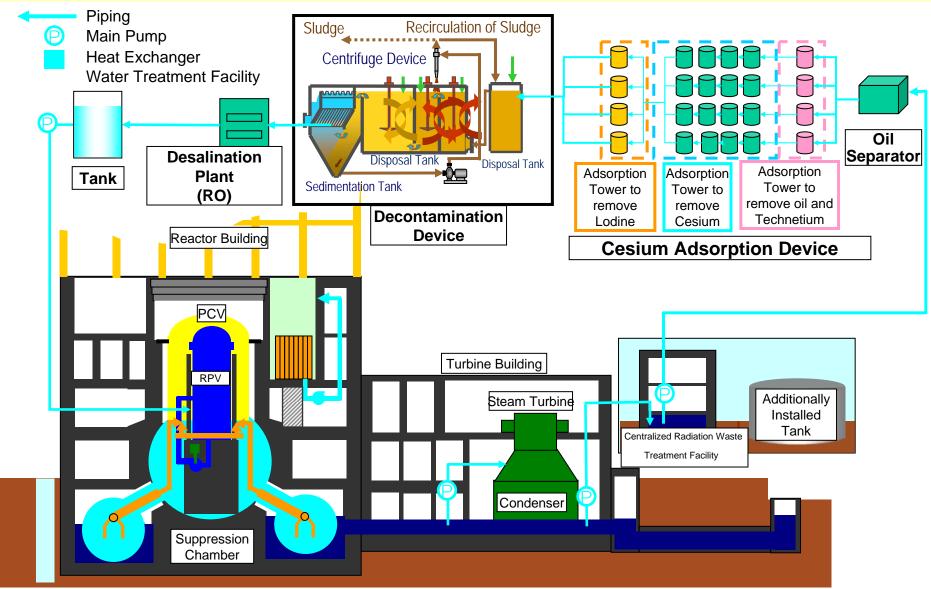


- Almost all of the "Cooling" functions at reactors and spent fuel pools were completely lost, as a result of losing power supply not only from external power networks due to the earthquake but also from emergency diesel generators due to its following tsunami.
- Radiation "Containment" function has been lost as we have detected highly contaminated water pools in turbine buildings.



# [Reference] Illustration of Circulatory Water-cooling Operations

Accumulated water is injected into the reactor after being transferred and stored in the Centralized Radiation Waste Treatment Facility.
 Circulatory water-cooling operations started on Jun. 27. As of Aug. 7, the amount of contaminated water disposed totaled 40,090 tons.





- TEPCO is paying out "Temporary Compensation" to evacuated and indoor-evacuated residents, agriculture, forestry and fisheries business and small and mid-size businesses, according to the first, second and supplemental "Guidelines for Judgment on the Scope of Nuclear Damage" resolved by Government's Nuclear Damages Indemnification Adjustment Committee. As of August 5, 70.2 billion yen has been already paid out to the victims as "Temporary Compensation" so far.
- On August 5, the committee announced the latest "Interim Guideline", which comprehensively includes the guidelines released by the date and clarifies certain types and ranges of damages to be compensated.
- TEPCO is going to complete necessary works in preparation for early compensation payments in accordance with the interim guideline. Following the ideas appeared in the guideline, we will soon show the detailed compensation guidelines and procedures by the end of August and aim to start regular payment rather than temporary payment in October.

Selected types of the damages covered by "Nuclear Damage Compensation" in the guideline

<Damages due to Governmental evacuation instructions>

> Expenses for radiation inspection (person and/or items), evacuation, temporary return, return, etc.

≻Life and physical damages, mental blow (evacuees only), opportunity losses in business, etc.

<Damages due to the set-up of "no-fly zone" and "travel alerts/warnings">

>Opportunity losses in businesses such as fishery, marine transportation, passenger lines, aviation, etc.

<Damages due to the Governmental restriction on shipment of agricultural, forestry and fishery products>

>Opportunity losses and/or actual losses on actual products

>Expenses for radiation inspections

<Damages due to groundless rumor>

>Opportunity losses in agriculture, forestry, fishery and food processing business caused by customers' negative sentiments

>Opportunity losses in leisure industries including hotels, entertainment services, local leisure transportation services, etc.

>Opportunity losses in manufacturing and service industries

>Opportunity losses in exports where consignees deny to receive items shipped from Japan

<Other damages>

➤Some of indirect damages

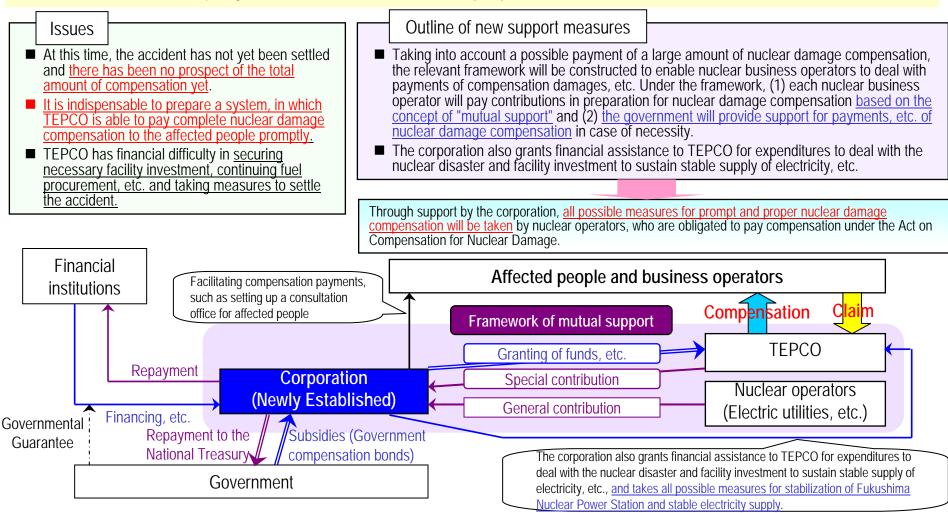
Direct physical damages by radiation

Damages on local governments

(Source) Press Release from Nuclear Damages Indemnification Adjustment Committee on August 5, 2011



Significant damage has arisen among residents and business operators due to the accident at TEPCO's Fukushima nuclear power station. Government will support nuclear damage compensation in order to secure: (1) All possible measures for prompt and proper nuclear damage compensation for affected people, (2) stabilization of the conditions of TEPCO's Fukushima nuclear power station and prevention of adverse effect on business operators, etc. dealing with the accident, and (3) stable supply of electricity, in accordance with the basic policy "minimization of burden of the people ".





✓ After some modifications in discussions with opposition parties, the bill was approved by the House of Representatives and the House of Councillors on July 28 and August 3, respectively.

Key Points of the Modifications

[Clarification of Government's Responsibility]

- Government is required to take every possible step to help the new organization achieve targets stated in Article 1, in the light of social responsibility of the Government which has promoted nuclear power generation for a long time. (Article 2; newly added)
- [Cooperation of TEPCO and its Stakeholders]

Prior to drawing up the special operating plan..., the organization must confirm whether the nuclear operator has requested appropriate and enough cooperation\* of its stakeholders. (Article 45; underlined part newly added)

\* The nuclear operator must request necessary cooperation of its shareholders and the other stakeholders. (Supplemental Clause 3-2; newly added)

[Direct Cash Supply to Organization]

Government can directly supply cash to the organization as much as a shortage in the funds primarily covered by "Government Compensation Bonds" within budgetary restrictions. The direct cash supply can be implemented only if the amount collected through the special bond issuance cannot meet with the nuclear operator's cash demand. (Article 51; newly added)

[Direct Compensation Payment from Organization]

> The organization can pay all of, or a part of compensation directly to nuclear victims. (Article 55-1; newly added)

[Fund Management, etc.]

> The organization must manage collected "General (mandatory) Contribution" from each of nuclear operators separately. (Article 58; newly added)

[To Be Considered]

- Government is to take necessary steps including the even drastic revision of existing the "Nuclear Damage Compensation Law " at the earliest convenience\* after the enforcement. (Supplementary Clause 6-1; newly added)
- Government is to take necessary steps to realize more desirable scheme regarding nuclear damage compensations in an early stage\* after the enforcement. Discussions include allotments of compensations among Government, a troubled nuclear operator and the other nuclear operators, and responsibility to be taken by each of stakeholders of the troubled nuclear operator. (Supplemental Clause 6-2; newly added)
  - \* The supplementary resolution clarified "at earliest convenience" and "in an early stage" as "within a year" and "within a couple of years," respectively.

[Reference] Establishment of "Fukushima Nuclear Ad	cidents Investigation Committee"	31
<ul> <li>As a party directly concerned in the nuclear accidents, TEPCO Investigation Committee" on June 11 to scrutinize a series of ac operations and management.</li> <li>On the same day, "Accident Investigation and Verification Com Safety and Quality Assurance Meeting*." This committee consist Fukushima Nuclear Accidents Investigation Committee from prost The meeting is held semi-annually in order to have comprehensive discussion assurance. The meeting was established in December 2002</li> <li>An interim report regarding the accidents will be summarized and the summaris and the summarized and the summarized and the sum</li></ul>	cidents and then appropriately reflect lessons on futu- mittee" was also established under the existing "Nucl its of outside experts and will verify outcomes of TEP ofessional and third-party points of view.	ear CO's
<tepco> "Fukushima Nuclear Accidents Investigation Committee"  *Chair: Masao Yamazaki, Executive Vice President *Members: Masaru Takei, Executive Vice President Hiroshi Yamaguchi, Managing Director Yoshihiro Naito, Managing Director Others = 8 persons in total *Observers = 11 persons</tepco>	<ul> <li>"Accident Investigation and Verification Committee"</li> <li>*Chair: Genki Yagawa, Professor Emeritus of Univ. of Tokyo</li> <li>*Members: Yuriko Inubushi, Vice Chairman of Consumption Science Takashi Kono, Professor of Keio Univ.</li> <li>Yoshihisa Takakura, Director of Tohoku Radiological Sci Nobuo Shuto, Professor Emeritus of Tohoku Univ.</li> <li>Hideki Nakagome, Attorney</li> <li>Masao Mukaidono, Professor of Meiji Univ.</li> </ul>	
<ul> <li>Summarizing and releasing investigation reports (An ir</li> <li>Reporting and releasing verified results in a timely man</li> </ul>		
<ul> <li><reference></reference></li> <li>✓ Government has established "Committee of accident investigation a under the direct control of Government. The establishment was app</li> </ul>		

Emeritus of Univ. of Tokyo assumed Committee Chair.



# [Reference] The Current Status of Kashiwazaki-Kariwa Nuclear Power Station and Future Initiatives (As of August 8, 2011 unless otherwise noted)



# **Overview of Status of Initiatives**

		Item	Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7
	Buildings	Submission of inspection and evaluation plan (Initial submission date)	Submitted (Jul. 18, 2008)	Submitted (Sep. 18, 2008)	Submitted (Jul. 18, 2008)	Submitted (Sep. 18, 2008)	Submitted (Sep. 18, 2008)	Submitted (May 20, 2008)	Submitted (Feb. 25, 2008)
ation	and Structures	Inspection & Evaluation	Report submitted (Dec.22, 2009)	In progress	Report submitted (Jan.7, 2011)	In progress	Report submitted (May 21, 2010)	Report submitted (Dec.25, 2008)	Report submitted (Sep.1, 2008)
ss Evaluation		Submission of inspection and evaluation plan (Initial submission date)	Submitted (Feb. 6, 2008)	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)
Facility Soundness	Facilities	Inspection and evaluation of each piece of equipment	Report submitted (Feb. 19, 2010)	In progress	In progress	In progress	Report submitted (Jun.9, 2010)	Report submitted (Jan. 28, 2009) <sup>2</sup> (Jun. 23, 2009)	Report submitted (Sep. 19, 2008) <sup>2</sup> (Feb. 12, 2009)
Facilit		Inspection and evaluation of each system	Report submitted (Feb. 19, 2010)		In progress		Report submitted (Jun.9, 2010)	Report submitted (Jun. 23, 2009)	Report submitted (Feb. 12, 2009)
afety		Inspection and evaluation of the plant as a whole	Report submitted (Jul.7, 2010)				Report submitted (Jan.24, 2011)	Report submitted (Oct. 1, 2009)	Report submitted (Jun. 23, 2009)
uake-Resistance and S mprovement Initiatives	Confirmation of the Earthquake- resistance and Safety initiatives		Report submitted (Mar. 24, 2010)	In progress	In progress	In progress	Report submitted (Jun.9, 2010)	Report submitted (May 19, 2009)	Report submitted (Dec. 3, 2008)
Earthquake-Resistance and Safety Improvement Initiatives	Work to strengthen earthquake resistance		Completed (Jan. to Dec.2009)	In progress since Jun. 2009	Completed (Nov. 2008 to Jan. 2011)	In progress since May 2009	Completed (Jan. 2009 to Jan. 2010)	Completed (Jul. 2008 to Jan.2009)	Completed (Jun. to Nov. 2008)
		Current Status	Periodic Inspection <sup>3</sup>	Periodic Inspection	Periodic Inspection	Periodic Inspection	Commercial Operation	Commercial Operation	Commercial Operation

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.

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
 Unit 1 stopped its commercial operations on August 6, 2011 for the periodic inspection.

# Status of Progress at Each Unit in Facility Soundness Evaluation

## Status of Progress in 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 Jul. 11, 2011

$\langle$		Equipment insp	pections comple	eted/Equipment	scheduled for i	nspection									
		[equipment scheduled for inspection is estimated] (Percentage completed [%])													
		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5	Unit 6	Unit 7							
	Visual inspection	2,001/2,001	1,410/1,590	1,580/1,580	1,560/1,680	1,963/1,963	1,538/1,538	1,362/1,362							
Basic Ins	Visual inspection	(Completed)	(89%)	(100%)	(93%)	(Completed)	(Completed)	(Completed)							
	Operation testing	1,461/1,461	820/1,170	1,160/1,160	990/1,300	1,498/1,498	1,144/1,144	1,001/1,001							
Equipment pections	Function testing	(Completed)	(70%)	(100%)	(76%)	(Completed)	(Completed)	(Completed)							
nent s	Lookago tosting	1,014/1,014	350/730	690/700	330/650	841/841	719/719	616/616							
	Leakage testing	(Completed)	(47%)	(99%)	(51%)	(Completed)	(Completed)	(Completed)							

-TEPCO is executing the basic inspections above in accordance with the inspection and evaluation plan submitted to the national authority.

-Previously, TEPCO has already confirmed no major defect in all of the units as a result of visual inspection for the inside of reactors and other essential equipment.

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



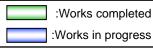
• TEPCO is conducting works as needed to reinforce earthquake-resistant capabilities of key facilities.

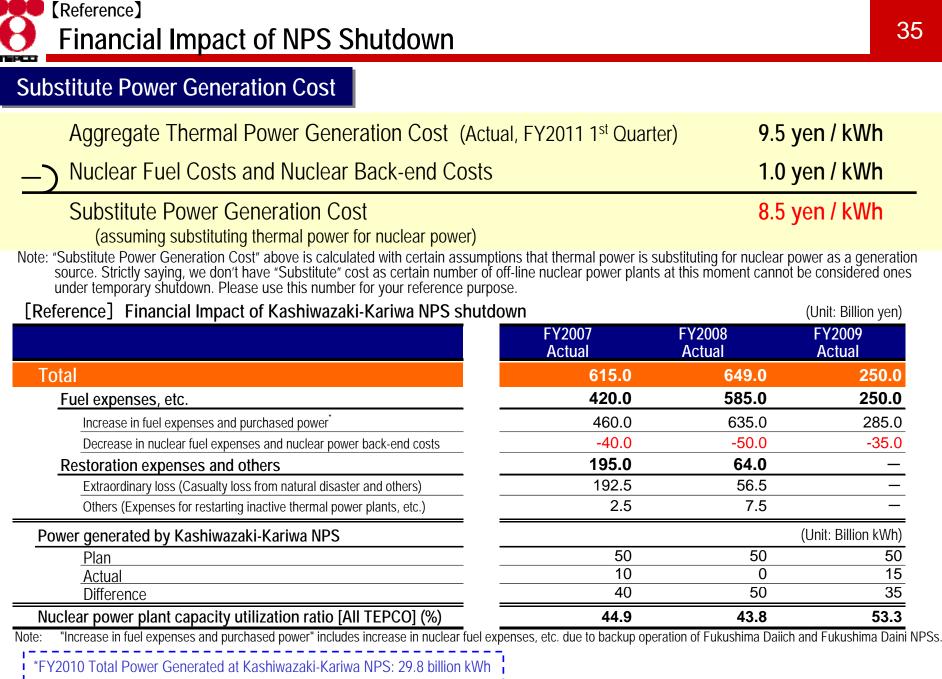
Current schedule of works planned and in progress

Note: Excludes preparatory work

						Ì	Year	2010	)							Y	/ear	2011			
		Jan,	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan,	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.
	Supports for piping and related equipment				ļ	ļ	ļ			ļ		ļ				{			 		$\approx$
	Reactor building roof trusses	(Fron	Jun. 2	009 to	Aug. 2	009)	ļ			ļ							ļ				
Unit 2	Exhaust stack (shared with Unit 1)	(Fron	Jul. 2	009 to I	ec. 20	09)															
	Reactor building ceiling crane																<u> </u>				
	Fuel handling machine									:	:					:					
	Supports for piping and related equipment				Į	ļ									]		ļ	ļ	ļļ.	,	
Unit 3	Reactor building roof trusses	(Fron	Nov. 2	2008 to	Jul. 20	09)	ļ			ļ		ļ					ļ	ļ			
(Completed)	Exhaust stack			. 2009)																	
(completed)	Reactor building ceiling crane			c. 2009		÷															
	Fuel handling machine	(Fr	om No	v. 2009	)	-															
	Supports for piping and related equipment					ļ															
	Reactor building roof trusses	(Fron	May 2	009 to	Sep. 2	009)	Į			ļ		ļ					ļ	ļ	ļļ.		
Unit 4	Exhaust stack		om Jul.	2009)	į													ļ			
	Reactor building ceiling crane	(Fr	om Oct	. 2009)		÷	÷														
	Fuel handling machine									:											
	Supports for piping and related equipment	Unit	1 : J	ul. 09	– Dec	c. 09,	Unit 8	5 : Ap	r. 09 –	- Dec.	09, U	nit 6	: Jul.	08 –	Jan. (	)9, Ur	nit 7:	Jun. (	08 – N	lov. (	)8
Unit 1	Reactor building roof trusses	Unit	1 : J	an. 09	– Jul	. 09,	Unit 5	i∶Jar	n. 09 –	May	09, Uı	nit 6∶	Sep	. 08 –	Oct. (	08, Ui	nit 7:	Jul. (	)8 – S	ep. 0	8
Unit 5	Exhaust stack	Unit	1 : J	ul. 09	– Dec	c. 09,	Unit {	5 : Ju	า. 09 –	- Jan.	10, U	nit 6	Sep	. 08 -	- Oct.	08, U	nit 7	Sep.	08 –	Oct.	08
Unit 6 Unit 7	Reactor building ceiling crane	Unit	1 : J	un. 09	– Oc	t. 09,	Unit :	5 : Ma	ay 09 -	- Aug.	09, L	Jnit 6	: Oct	. 08 -	- Jan.	09, U	Init 7	: Sep	. 08 –	Oct.	08
(Completed)	Fuel handling machine	Unit	1 : J	an. 09	– Oc	t. 09,	Unit :	5 : Ap	r. 09 -	- Sep.	09, L	Init 6	: Aug	g. 08 -	- Jan.	09, L	Jnit 7	: Aug	. 08 –	Nov	. 08
	Emergency intake channel (Unit 1 only)	Unit	1 : F	eb. 09	) – De	ec. 09															

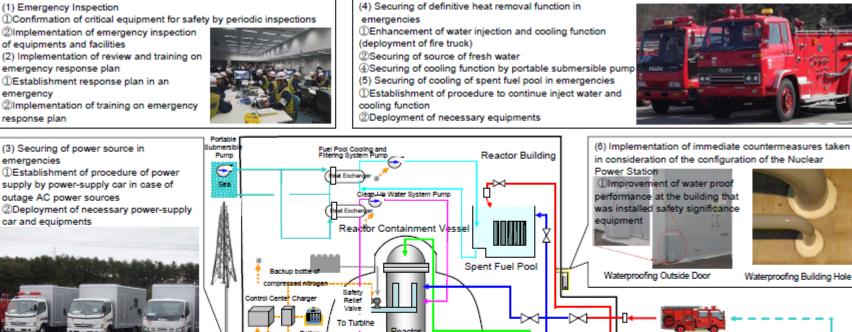
Note: TEPCO is also conducting earthquake-resistance and safety evaluations for facilities other than above and will execute works as needed.



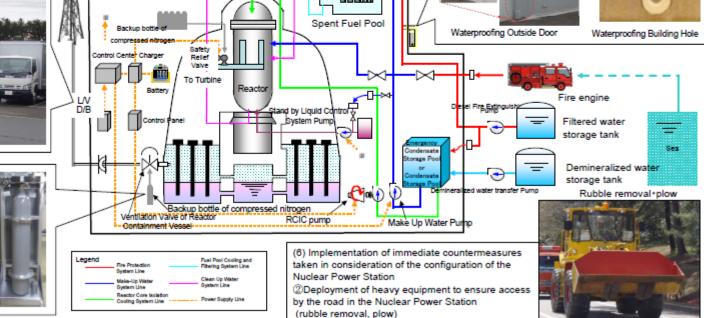


Nuclear Power Plant Capacity Utilization Ratio: 55.3%

We have completed following emergency safety measures to prevent damages of reactor core and spent fuel, even if three functions such as function of all facilities that supplies AC power, function of all facilities that cools reactor facility and function of all facilities that cools spent fuel pool by seawater are lost by tsunami by April 20<sup>th</sup>, 2011.



(4) Securing of definitive heat removal function in emergencies ③Securing of supply of nitrogen for depressurization in reactor containment vessel



[Reference] Outline of Measures to Secure Safety at Kashiwazaki-Kariwa NPS

