

# FY2016 1Q Financial Results Outline

(April 1, 2016 – June 30, 2016)

July 28, 2016

SHIKOKU ELECTRIC POWER CO., INC.

## Contents

I . Consolidated Financial Results for FY2016 1Q	
1 . Electricity Sales	1
<ul> <li>2 . Electricity Supply</li> <li>3 . Summary of Financial Results</li> <li>4 . Results by Segment</li> <li>5 . Financial Position</li> </ul>	2 3 6 7
II . Forecasts of Consolidated Financial Results for FY2016	8
<b>Reference&gt;Non-Consolidated Financial Results</b> <ul> <li>1 . Details of Financial Results</li> <li>2 . Financial Position</li> </ul>	9
Supplemental Material for FY2015  > Trend of Electricity Sales to Large-scale Industrial Customers	11
<ul> <li>Trend of All-electric Housing Construction</li> <li>Consumption of fossil Fuels</li> </ul>	12 13
<ul> <li>Flow rate, Financial Sensitivity for Key Factors</li> <li>Time Lag Effect of Fuel Cost Adjustment System</li> </ul>	14 15
<ul><li>Plant an Equipment Expenditures (consolidated)</li><li>Feed-in Tariff Scheme</li></ul>	16 17

# I. Consolidated Financial Results for FY2016 1Q

(April 1, 2015 – June 30, 2016)

- 1 . Electricity Sales
- 2 . Electricity Supply
- 3 . Summary of Financial Results
- 4 . Results by Segment
- 5 . Financial Position

# I - 1 . Electricity Sales

Electricity Sales (million kWh)

			FY2015 1Q	(c)=(a)-(b)	(c)/(b)	Details
		(a)	(b)			
Retai		5,938	6,082	(144)	(2.4)%	Increase in energy conservation approx. (100)GWh
Lighti	ng	1,941	1,983	(42)	(2.2)%	
Powe	er	3,997	4,099	(102)	(2.5)%	
<pre><large-scale,< pre=""></large-scale,<></pre>	Industrial>	<1,849>	<1,907>	<(58)>	<(3.0)%>	
Wholes	ale	364	170	194	114.1%	
Total		6,302	6,252	50	0.8%	

<sup>\*</sup>The imbalances (the differences between the demand planned in advance by the electricity suppliers and the actual demand) which have not been confirmed as of the settlement day are not to be included.

## Average temperatures in prefectural capitals in Shikoku

		(°C)			
	Mar	Apr	May	Jun	4-month AVG.
FY2016	10.9	16.5	20.6	23.2	17.8
Differences from the average year	1.2	1.6	1.3	0.4	1.1
Differences from the previous year	0.8	0.4	(0.1)	0.9	0.5

## Electricity Sales to Large-Scale Industrial Customers

	FY2016 1Q*
Textiles	(19.6)%
Paper/Pulp	(16.0)%
Chemicals	0.9%
Steel	5.4%
Machinery	0.8%
Other	( 0.3)%
Total	( 3.0)%

<sup>\*</sup>Changes from the previous period.

# I - 2 . Electricity Supply

(million kWh)

	FY2016 1Q (a)	FY2015 1Q (b)	(c)=(a)-(b)	(c)/(b)	Details
Hydro	1,191	985	206	21.0%	• Flow Rate 105.7% → 119.5%
Nuclear	-	-	-	-	All units of the lkata nuclear power station have been suspended.
Coal	2,962	2,553	10% 409	16.0%	Increased due to the reaction to regularly scheduled inspections on the Tachibana-wan Thermal Power Station last year
LNG	10% 479	12% 617	( 2)%	(22.4)%	
Oil/Gas	30% 1,489	1,996	(8)%	(25.4)%	◆Electricity by thermal power (million kWh)  FY2016 1Q  GWh Composition Change*
Thermal	4,930	100% 5,166	(236)	( 4.6)%	Generated         3,507         71%         150           Purchased         1,423         29%         (386)           Total         4,930         100%         (236)           **Changes from the previous period.
Renewable Energy	742	570	172	30.2%	

(Note1) % figures in are composition ratios of the electricity generated and purchased by thermal power stations

(Note2) The electricity purchased from other utilities are included.

(Note3) The imbalances (the differences between the demand planned in advance by the electricity suppliers and the actual demand) which have not been confirmed as of the settlement day are not to be included.

# I - 3 . Summary of Financial Results

- ☐ Operating revenues decreased by ¥ 2.4 billion YoY, to ¥ 151.1 billion. The factors were as follows;
  - ✓ Electricity sales (Retail) decreased.
  - ✓ Revenues based on the fuel cost adjustment system decreased, etc.
- □ Operating expenses increased by ¥ 10.8 billion YoY, to ¥ 159.5 billion. The factors were as follows;
  - ✓ The cost of the fuel and power purchase decreased due to down in the fuel prices.
  - ✓ The unrecognized actuarial loss was amortized.
  - ✓ Maintenance cost increased, etc.
- As a result,
  - ✓ Operating income decreased by ¥ 13.2 billion YoY to a loss of ¥ 8.4 billion.
  - ✓ Ordinary income decreased by ¥ 13.5 billion YoY to a loss of ¥ 9.2 billion.
  - ✓ Net income attributable to shareholders of parent company decreased by ¥ 10.7 billion YoY to a loss of ¥ 8.4 billion.

(100 million yen)

	FY2016 1Q (a)	FY2015 1Q (b)	(c)=(a)-(b)	(c)/(b)
Operating Revenues	1,511	1,535	(24)	(1.6)%
Operating Expenses	1,595	1,487	108	7.3%
Operating Income (loss)	(84)	48	(132)	-
Interest Expenses, etc.	8	4	4	113.3%
Ordinary Income (loss)	(92)	43	(135)	-
Reserve for Fluctuations in Water Level (Provision)	3	1	2	94.3%
Income Taxes, etc.	(12)	18	(30)	-
Net Income (loss) attributable to shareholders of parent company	(84)	23	(107)	-

(Note) Ordinary income (loss) is income (loss) before reserve for fluctuations in water level and income taxes, etc.

## Details of Consolidated Financial Results; year-on-year basis

10	0 ı	mill	lion	yen	)

			FY2016 1Q	FY2015 1Q	<del></del>	
			(a)	(b)	(c)=(a)-(b)	(c)/(b)
		Electricity Sales(Retail)	1,075	1,153	(78)	(6.8)%
		Electricity sales(Wholesale), etc.	30	20	10	44.4%
		Others	240	184	56	30.0%
	ΕI	ectric Operating Revenues	1,345	1,358	(13)	(1.0)%
	O	ther Revenues	165	176	(11)	(6.2)% <sup>2</sup>
O	pei	rating Revenues	1,511	1,535	(24)	(1.6)%
		Personnel	186	126	60	47.2%
		Fuel	169	294	(125)	(42.5)%
		Power Purchase	394	372	22	5.8%
		Depreciation	142	133	9	6.7%
		Maintenance	146	89	57	64.5%
		Nuclear Back-end	13	15	(2)	(12.3)%
		Others	394	297	97	32.3%
	ΕI	ectric Operating Expenses	1,447	1,330	117	8.8%
	O	ther Operating Expenses	147	156	(9)	(5.7)%
Ol	pei	rating Expenses	1,595	1,487	108	7.3%
		Operating Income (loss)	(84)	48	(132)	-
	In	terest Expenses, etc.	8	4	4	113.3%
		Ordinary Income (loss)	(92)	43	(135)	-
		eserve for Fluctuations in ater Level (Provision)	3	1	2	94.3%
	In	come Taxes,etc.	(12)	18	(30)	-
		et income (loss) attributable to areholders of parent company	(84)	23	(107)	-

#### [Electricity Sales(Retail)]

- · Decrease in revenues based on the Fuel Cost Adjustment System (86)
- · Decrease in electricity sales volume (28)
- · Increase in surcharge income based on FIT +36

#### [Other Electric Operating Revenues]

• Increase in grants for the purchase cost from Surcharge Adjustment Organization +55, etc.

#### [Other Revenues]

· Down in the selling prices of LNG in LNG sales segment (8), etc.

#### [Personnel]

· Increase in amortization of the unrecognized actuarial loss +49, etc.

#### 【Fuel, Power Purchase】 (104)

- Decline in the thermal power generation cost per kWh (140)
   [ Down in the fuel prices (120), Increase in the coal power ratio (20) ]
- · Increase in electricity volume generated by hydro power plants (15)
- Decrease in electricity sales +3
- · Increase in purchase of renewable energy sourced electricity +45, etc.

		FY2016 1Q	FY2015 1Q	(a-b)
		(a)	(b)	(a-b)
CIF Price	Coal (\$/t)	69	82	(13)
	Crude Oil (\$/b)	41	60	(19)
(all Japan)	LNG (\$/t)	312	480	(168)
Exchange	Exchange Rate (¥/\$)		121	(13)

#### [Depreciation]

· Increase due to the trial operation of the Sakaide unit No.2, +8, etc.

#### [Maintenance]

- · Increase in construction associated with the thermal power station +35
- Increase in construction associated with the nuclear power station +14, etc.

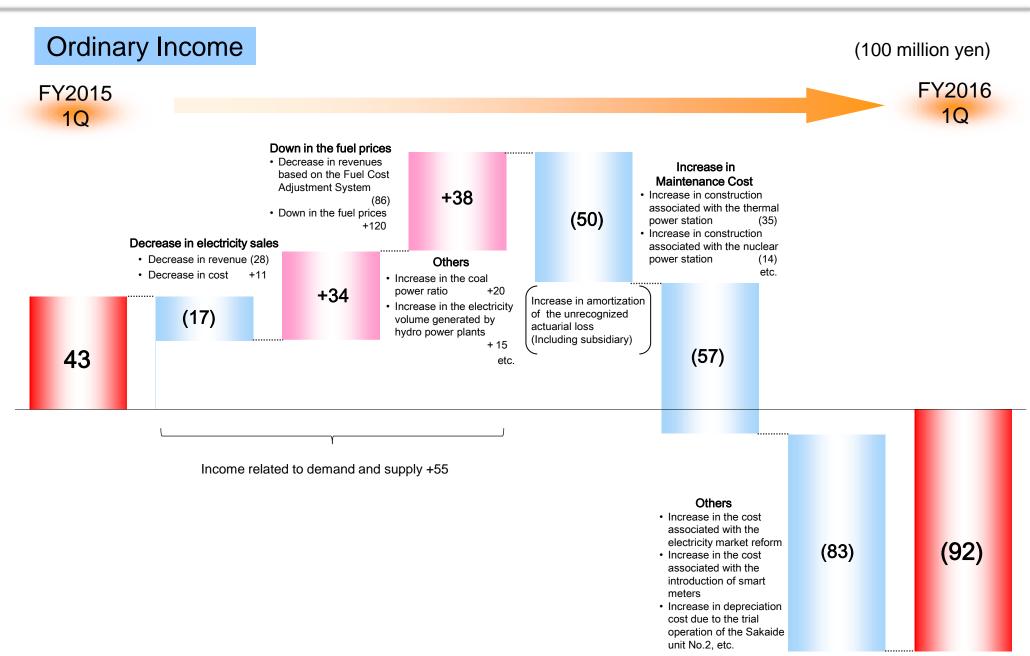
#### 【Other Electric Operating Expenses】

- · Increase in payments to Surcharge Adjustment Organization +36
- · Increase in the cost associated with the electricity market reform +20
- · Increase in the cost associated with the introduction of smart meters +15, etc.

#### [Other Operating Expenses]

· Down in the purchase price of LNG in LNG sales segment (7), etc.

# Factors Contributing to Change in Ordinary Income



# I - 4 . Results by Segment

#### < Electric Utility Segment >

□ Profit decreased by ¥ 13.1 billion to a loss of ¥ 10.5 billion, due to the amortization of the unrecognized actuarial loss and the increase in the maintenance costs, etc.

#### < IT/Communications Segment >

■ Profit decreased by ¥ 0.1 billion to ¥ 0.7 billion, because the cost of sales promotion associated with FTTH business increased while the sales of that business increased, etc.

## < Other Segments >

■ Profit increased by ¥ 0.2 billion to ¥ 1.5 billion, because the sales of constructions and engineering business was increased, etc.

#### Results by segment

(100 million yen)

				(10011	milion y cm
			FY2016 1Q (a)	FY2015 1Q (b)	(a-b)
Consolidated		Sales	1,511	1,535	(24)
		Segment Profit (loss)	(84)	48	(132)
	Electric I Hilita	Sales	1,349	1,362	(13)
<u>۔</u>	Electric Utility*	Segment Profit (loss)	(105)	26	(131)
nen	IT/Communications*	Sales	82	76	6
Segment	11/Communications	Segment Profit	7	8	(1)
	Othoro*	Sales	263	255	8
	Others*	Segment Profit	15	13	2

## **Capital Investment**

(100 million yen)

	FY2016 1Q
Electric Utility	150
<safety at="" ikata="" measures="" nuclear="" power="" station="" the=""></safety>	<24>
Introduction of a LNG combined cycle to the Sakaide thermal power station unit No.2>	<40>
IT/Communications	7
<ftth></ftth>	<2>
Others	4
Total	162

<sup>\*</sup> Internal transactions are not eliminated

# I - 5 . Financial Position

(100 million yen)

	Jun 30, 2016 (a)	Mar 31,2016 (b)	(a-b)	Details
Total assets	13,834	14,017	(183)	
<plant and="" assets<br="" equipment,="" intangible="">(except decommissioning of nuclear plant in progress)&gt;</plant>	<8,390>	<8,415>	<(25)>	Capital investment +151 Advance of depreciation, etc. (176)
<cash and="" cash="" equivalents=""></cash>	<101>	<374>	<(273)>	
<accounts receivable=""></accounts>	<679>	<619>	<60>	
Liabilities	11,109	11,155	(46)	
<bonds and="" loans=""></bonds>	<7,329>	<7,197>	<132>	Increase in commercial papers +140, etc.
<accrued expenses=""></accrued>	<235>	<371>	<(136)>	
Total net assets	2,725	2,861	(136)	
<retained earnings=""></retained>	<1,276>	<1,401>	<(125)>	<ul><li>Net loss (84)</li><li>Dividend payment (41)</li></ul>
Shareholders' equity ratio	19.7%	20.4%	(0.7)%	

## II. Forecasts of Consolidated Financial Results for FY2016

- ☐ The forecast of operating revenues remains unchanged from the announcement in April this year.
- □ The forecast of operating income, ordinary income, net income attributable to shareholders of parent company is undecided because Unit 3 of the Ikata Nuclear Power Station is currently undergoing a pre-service inspection. These financial forecasts will be promptly released as soon as they are determined.
- □ The unrecognized actuarial loss of ¥17.8 billion occurred in FY2015 due to the Impact of down in the discount rate on projected benefit obligation. ¥ 16.6 billion out of this will be amortized in FY2016.
  - ※The quarter of ¥ 16.6 billion was amortized in 1Q.

#### Financial Forecasts

(100 million yen)

	FY 2016 FY2015		(a)=(a) (b)	(a)//b)
	(Forecast) <a></a>	(Result) <b></b>	(c)=(a)-(b)	(c)/(b)
Operating Revenues	6,500	6,540	(40)	( 0.6)%

#### **Electricity Sales Forecasts**

(100 million kWh)

		FY2016 (Forecast) <a></a>	FY2015 (Result) <b></b>	(c)=(a)-(b)	(c)/(b)
	Lighting	89.2	89.3	(0.1)	( 0.1)%
	Power	167.6	168.2	(0.6)	( 0.3)%
	Retail	256.8	257.5	(0.7)	( 0.3)%
	Wholesale	12.3	17.7	(5.4)	(30.7)%
	Total	269.1	275.2	(6.1)	( 2.2)%

## Fuel Prices and Exchange Rate Forecasts

	FY2016 (Forecast) <a></a>	FY2015 (Result) <b></b>	<a-b></a-b>
Coal CIF Price(\$/t)	70	75	(5)
Crude oil CIF Price(\$/b)	45	49	(4)
Exchange Rate(¥/\$)	110	120	(10)

<Reference> Non-Consolidated Financial Results

# 1 . Details of Financial Results; year-on-year basis

(100 million yen)

	FY2016 1Q FY2015 1Q		Cha	ange
	(a)	(b)	(c)=(a)-(b)	(c)/(b)
Electricity Sales(Retail)	1,075	1,153	(78)	(6.8)%
<surcharge based="" fit="" income="" on=""></surcharge>	<105>	<69>	<36>	<51.2%>
Electricity sales(Wholesale), etc.	30	20	10	(44.4)%
Others	269	222	47	21.3%
<grants cost="" for="" from<br="" purchase="" the="">Surcharge Adjustment Organization&gt;</grants>	<217>	<162>	<55>	<33.8%>
Operating Revenues	1,375	1,396	(21)	(1.5)%
Personnel	187	127	60	47.2%
Fuel	169	294	(125)	(42.5)%
Power Purchase	394	372	22	5.8%
Depreciation	143	135	8	6.5%
Maintenance	148	89	59	64.6%
Nuclear Back-end	13	15	(2)	(12.3)%
Others	416	325	91	28.1%
Operating Expenses	1,474	1,361	113	8.3%
Operating Income (loss)	(98)	35	(133)	-
Interest expence, etc.	(20)	(14)	(6)	37.4%
Ordinary Income (loss)	(78)	49	(127)	-
Reserve for Fluctuations in Water Level (Provision)	3	1	2	94.3%
Income Taxes, etc.	(17)	13	(30)	-
Net Income (loss)	(64)	34	(98)	-

#### [Electricity Sales(Retail)]

- · Decrease in revenues based on the Fuel Cost Adjustment System (86)
- Decrease in electricity sales volume (28), etc.

#### [Personnel]

· Amortization of the unrecognized actuarial loss +49, etc.

#### 【Fuel, Power Purchase】 (104)

- Decline in the thermal power generation cost per kWh (140)
   [ Down in the fuel prices (120), Increase in the coal power ratio (20) ]
- Increase in electricity volume generated by hydro power plants (15)
- · Decrease in electricity sales +3
- · Increase in purchase of renewable energy sourced electricity +45, etc.

		FY2016 1Q (a)	FY2015 1Q (b)	(a-b)
CIF Price	Coal (\$/t)	69	82	(13)
	Crude Oil (\$/b)	41	60	(19)
(all Japan)	LNG (\$/t)	312	480	(168)
Exchange	Rate (¥/\$)	108	121	(13)

#### [Depreciation]

· Increase due to the test-run of the Sakaide unit No.2, +8, etc.

#### [Maintenance]

- · Increase in construction associated with the thermal power station +35
- $\cdot\,$  Increase in construction associated with the nuclear power station +14, etc.

#### [Other Operating Expenses]

- · Increase in payments to Surcharge Adjustment Organization +36
- · Increase in the cost associated with the electricity market reform +20
- · Increase in the cost associated with the introduction of smart meters +15, etc.

(100 million yen)

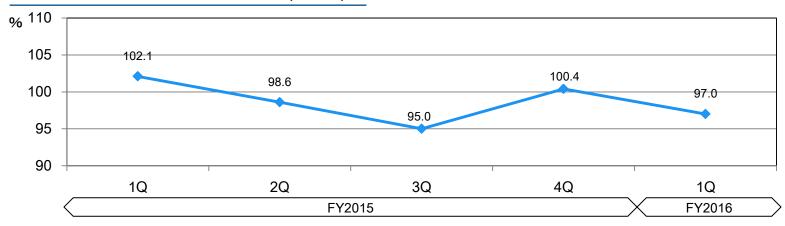
	Jun 30, 2016 (a)	Mar 31,2016 (b)	(a-b)	Details
Total assets	13,357	13,486	(129)	
<electric (except="" assets,="" construction="" decommissioning="" fixed="" in="" incidental="" nuclear="" of="" plant="" progress="" progress)="" utility=""></electric>	<7,747>	<7,756>	<(9)>	Capital investment +143 Advance of depreciation, etc. (152)
<cash and="" cash="" equivalents=""></cash>	<78>	<360>	<(282)>	
<accounts receivable=""></accounts>	<629>	<554>	<75>	
Liabilities	10,774	10,763	11	
<bonds and="" loans=""></bonds>	<7,281>	<7,149>	<132>	Increase in commercial papers +140, etc.
<accrued expenses=""></accrued>	<204>	<321>	<(117)>	
Total net assets	2,582	2,723	(141)	
<retained earnings=""></retained>	<1,056>	<1,162>	<(106)>	<ul><li>√ Net loss (64)</li><li>√ Dividend payment (41)</li></ul>
Shareholders' equity ratio	19.3%	20.2%	(0.9)%	

# Supplemental material for FY2016 1Q

- > Trend of Electricity Sales to Large-scale Industrial Customers
- ➤ Trend of All-electric Housing Construction
- Consumption of fossil Fuels
- Flow rate, Financial Sensitivity for Key Factors
- Time Lag Effect of Fuel Cost Adjustment System
- ➤ Plant an Equipment Expenditures (consolidated)
- > Feed-in Tariff Scheme

## Trend of Electricity Sales to Large-scale Industrial Customers

## Year on Year Growth Rate (Total)



Year on Year Growth Rate (By Segment)

		FY2015					FY2016
		1Q (Apr-Jun)	2Q (Jul-Sep)	3Q (Oct-Dec)	4Q (Jan-Mar)	Total	1Q (Apr-Jun)
٦	otal	2.1	(1.4)	(5.0)	0.4	(1.0)	(3.0)
	Textiles	24.4	34.3	13.2	0.0	17.3	(19.6)
	PaperPulp	6.6	(0.5)	(17.0)	(0.5)	(3.4)	(16.0)-
	Chemicals	(1.5)	(4.5)	(1.1)	3.7	(0.9)	0.9
	Steel	(5.2)	(16.8)	(7.9)	0.4	(7.0)	5.4
	Machinery	4.1	(0.0)	(3.4)	0.6	0.3	0.8
	Others	(0.8)	(1.2)	(2.4)	(0.7)	(1.3)	(0.3)

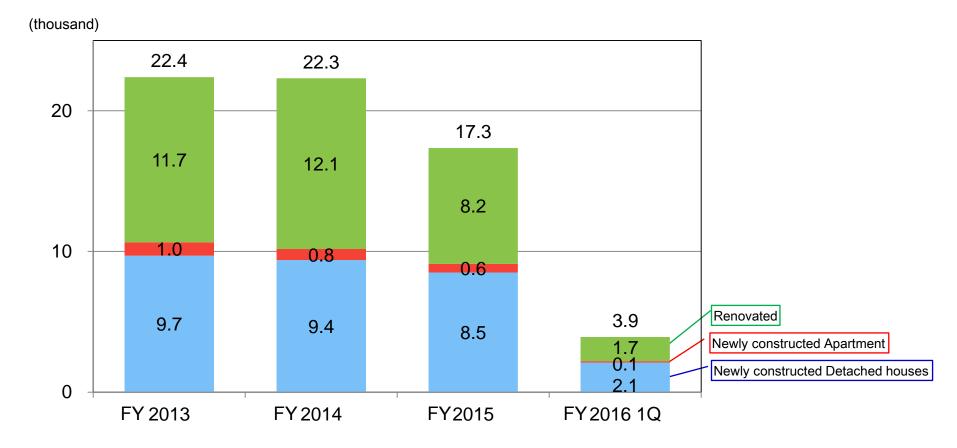
Decrease due to closing of a part of the production line of some customers. etc.

Decrease due to production adjustments of some customers. etc.

(%)

# Trend of All-electric Housing Construction

## Number of All-electric Housing Construction



## 【Consumption of fossil Fuels】

	FY2016 1Q	FY2015 1Q	
	(A)	(B)	(A-B)
Coal ( 1000t )	562	318	244
Heavy Oil(1000kl)	162	289	(127)
Crude Oil ( 1000kl )	63	35	28
LNG ( 1000t )	73	86	(13)

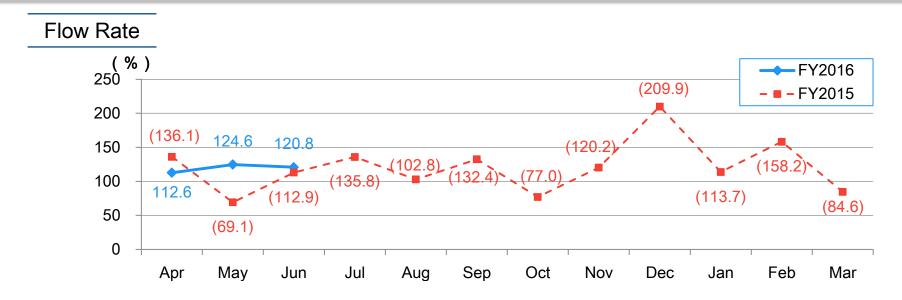
<ref></ref>				
FY2015 (total)				
2,805				
670				
142				
304				

## **[Fuel Prices]**

	FY2016 1Q	FY2015 1Q	
	(A)	(B)	( A-B )
CIF price: Coal (\$/ t )	69	82	(13)
CIF price: Crude Oil (\$/b)	41	60	(19)
CIF price: LNG (\$/ t )	312	480	(168)
FX rate (¥/\$)	108	121	(13)

<ref> FY2015 (Avg.)</ref>
75
49
452
120

# Flow Rate, Financial Sensitivity for Key Factors



## Financial Sensitivity for Key Factors

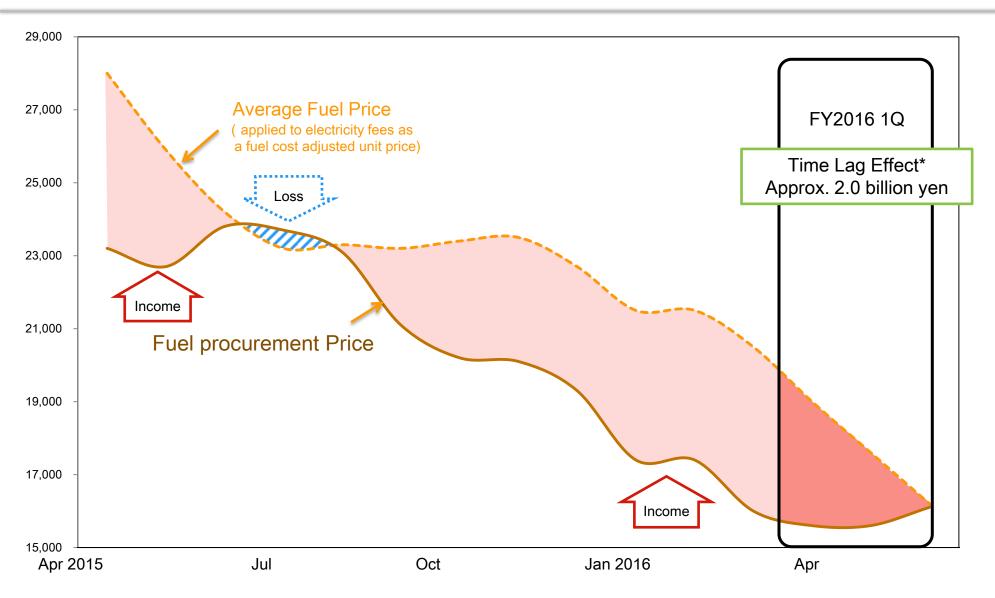
(100 million yen)

	( 100 1111111011 )
	FY2016 1Q
	Total
CIF price: crude oil (1\$/b)	2
CIF price: coal (1\$/t)	1
FX rate (¥ 1/\$)	2
Nuclear power capacity factor (1%)	1
Flow Rate (1%)	1

<sup>\*</sup>Because this sensitivity is theoretical value calculated based on some assumption, real impacts could change depending actual supply/demand situation.

<sup>\*</sup>Nuclear power capacity is calculated by considering the Ikata Unit No.2 & 3.

# Time Lag Effect of Fuel Cost Adjustment System



<sup>\*</sup>Fluctuation in fuel prices causes time lag between payment of fuel cost and reception of fuel cost adjustment charges, resulting in temporary increase or decrease in profits. Time Lag Effect above is this temporary increase or decrease, assuming that time lag does not take place.

# Plant and Equipment Expenditures (consolidated)

	FY2016 1Q
Power Sources	80
Hydro	6
Thermal	45
Nuclear	27
Transmission	10
Transformation	17
Distribution	25
Other	9
Subtotal	143
Nuclear fuel	6
Electric Power business	150
Other business	12
Total <sup>*</sup>	162

( 100 million yen )

<ref> FY2015</ref>
549
39
122
387
45
56
96
29
777
35
812
104
917

\*before the elimination of unrealized profits

## Feed-in Tariff Scheme

## Results of FY2016 1Q Cash flow Those engaged in the power generation business using renewable energy sources **Electricity customers** Those who generate power at home Purchase of electricity at a fixed price for a government guaranteed period Collection of surcharge together with the electricity charge Electric utility Submission of the collected Payment for the purchase cost surcharge Surcharge adjustment organization (organization to collect and distribute the surcharge) (100 million yen) 1 Purchase of electricity 251 ② Surcharge 105

We collect surcharge from customers with the electricity charge.

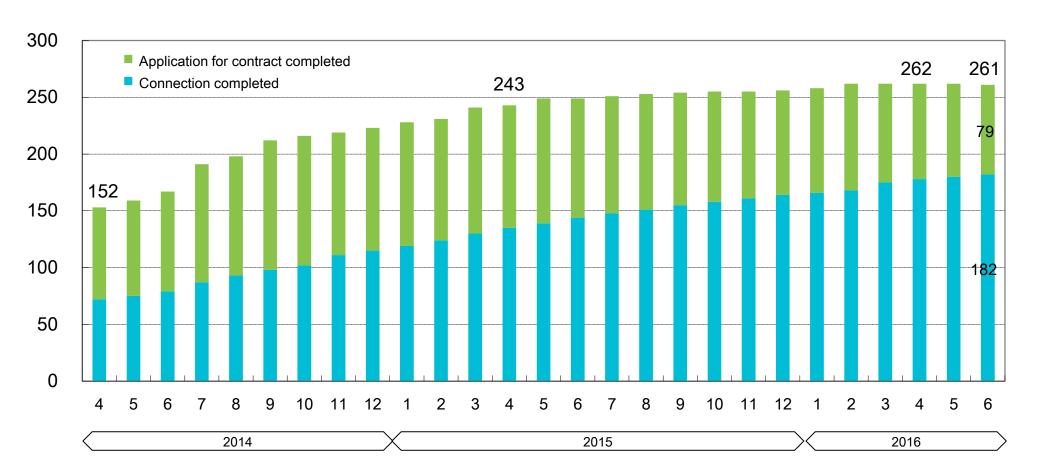
③ Submission of the collected surcharge 105
We submit the collected surcharge to surcharge adjustment organization.

We purchase electricity at a fixed price from those engaged in the power generation business using renewable energy sources and those who generate power at home.

② Payment for the purchase cost
Surcharge adjustment organization pay grants corresponding to the actual purchase costs.

# [Reference] Installation of Solar Power Generation Facilities





X Outputs after July 2014 are including southern part of Awaji Island (approx. 170MW, as of June 30, 2016)

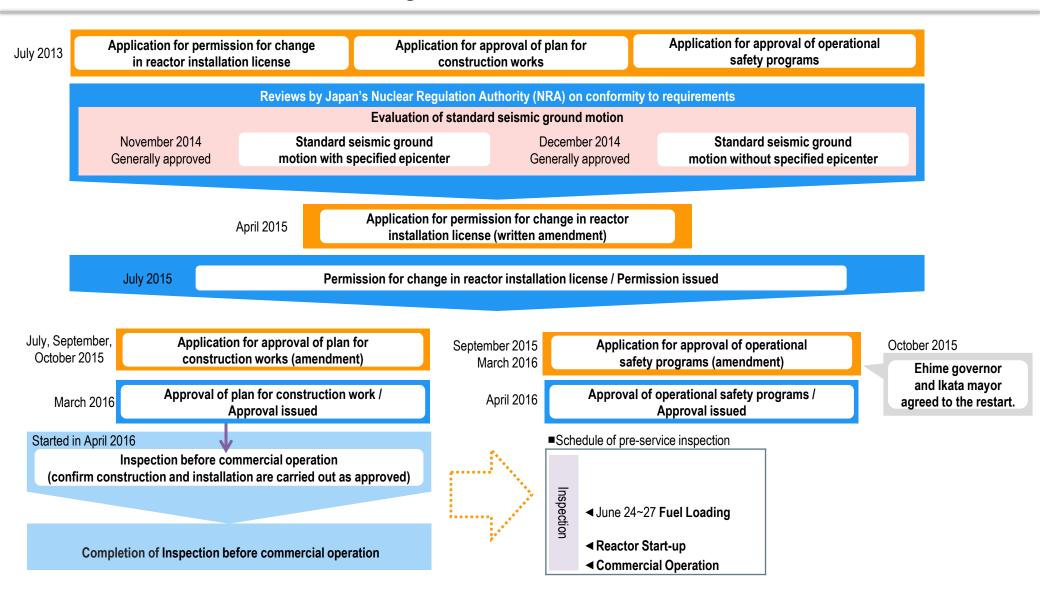
# **Topics**

- Shikoku Electric Power's Facilities
- ➤ The Situation Surrounding the Ikata Unit No.3
- Application for Permission for Change in Reactor Installation License in Relation to Specialized Safety Facilities
- Forecasts of costs for safety measures at the Ikata Nuclear Power Station
- Decommissioning of Ikata Unit No.1
- Replacement of Thermal Power Stations
- Establishment of the New Coal Procurement Company
- Response Toward Strengthening Environmental Regulations
- Basic Concept of Market Strategy
- Enrichment and Enhancement of Customers' Services
- Plan for Smart Meter Introduction
- View of Overseas Business
- Shareholder Return
- Financial Results
  [ Financial Data, Cash Flows, Plant and Equipment Expenditures ]

## Shikoku Electric Power's Facilities

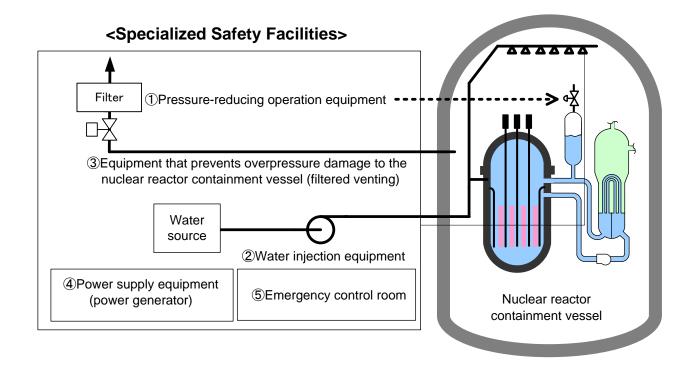
( As of April 28, 2016 ) Output Types (MW) Hydro Run-of-the-river type 305 1,146 MW Reservoir type 155 Pumped-storage 686 Output Power Plant Start of operations Age (MW) decommissioned on Unit No.1 (566)September 1977 (38)Ikata Nuclear May 10, 2016 1,456 MW Unit No.2 566 March 1982 34 Unit No.3 890 21 December 1994 Output Start of operations Power Plant Age Fuel source (MW) Unit No.1 125 July 1963 52 Oil Anan **Total Output** Unit No.2 220 47 Oil January 1969 6,051 MW Unit No.3 450 Oil August 1975 40 Unit No.4 450 Oil December 1976 39 Tachibana-wan 700 June 2000 Coal Thermal 16 Unit No.1 156 November 1965 50 Coal / Biomass / Oil 3,447 MW Saijo Unit No.2 250 Coal / Biomass / Oil June 1970 46 Sakaide Unit No.1 296 August 2010 LNG 5 August 2016 Replacing Switching from oil to LNG Unit No.2 (289)(scheduled) Unit No.3 Oil / COG 450 **April 1973** 43 Unit No.4 350 May 1974 LNG / COG 42 Output Start of operations Power Plant Age Solar (MW) 2 MW Matsuyama 2 March 2003 12

# The Situation Surrounding the Ikata Unit No.3



## Outline of Specialized Safety Facilities at the Ikata Unit No. 3

- Installed with equipment required by the new regulatory requirements
- Possesses functions to prevent damage of the nuclear reactor containment vessel in preparation for loss of the cooling function of the nuclear reactor and damage to the nuclear reactor core. This type of damage can be caused by a largesized aircraft intentionally colliding with the reactor building or any other acts of terrorism
- Provides back up to existing safety equipment
- Submitted an application for permission for change in reactor installation in January 2016
- Scheduled to be completed in FY2019



( 100 million yen )

			FY2011~FY	FY2016 1Q	
		Total (forecasts)	Total	Total FY2015	
Facility	Short term	Approx. 750	666	299	16
Construction	Middle term	Approx. 700	211	91	11
Analysis and Evaluation		Approx. 250	225	126	7
		Approx.1,700	1,103	516	34
Total	Capital Investment	Approx.1,400	806	366	24
	Expenses	Approx. 300	296	150	10

<sup>\*</sup>Total amounts of costs for safety measures are based on our assumptions and judgments in consideration of the information available at the time, and are therefore subject to change due to future situation.

# Decommissioning of Ikata Unit No.1

## ■Overview of Ikata Unit No.1

## [ Information of Unit ]

Location	Ikata-cho, Nishiuwa-gun, Ehime
Reactor Type	Pressurized light-water reactor
Output	566 MW
Number of Fuel Assemblies	121

## [ Results of Power Generation ]

Total Amount of Power Generated	132.6 billion kWh
Capacity Factor*1	77.5% <sup>*2</sup>

<sup>\*1)</sup> Capacity Factor =  $\frac{\text{Cumulative electrical generation}}{\text{Authorized output}} \times \text{Calendar hours} \times 100 (\%)$ 

## ■Date of decommissioning

May 10, 2016

<sup>\*2)</sup> Total accumulated by the end of fiscal 2011

# Replacement of Thermal Power Stations

## ■ Replacing Unit No.1 of the Saijo Thermal Power Station

- Replacing Unit No.1 with highly efficient, ultra-supercritical (USC) generation equipment
- We opened bid for the supply of thermal power which we won ourselves in March 2016

	Current Unit No.1	New Unit No.1			
Start of operations	FY1965	March 2023 (scheduled)			
Output	156MW	500MW			
Thermal efficiency *	Approx.39% (Approx.38%)	Approx.45% (Approx.43%)			
Fuel type	Coal				

## ■ Switching from Oil to LNG at the Sakaide Thermal Power Station

	Unit No.4	Unit No.1	New Unit No.2	
Start of operations	ions March 2010 August		August 2016 (scheduled)	
Output	350MW	296MW	289MW	
Generation method	Steam power (Oil→LNG)	LNG combined cycle	LNG combined cycle	
Thermal efficiency*	Approx.44% (Approx.40%)	Approx.57% (Approx.51%)	Approx.58% (Approx.53%)	



New Sakaide Unit. No.2

<sup>\*</sup> LHV(upper line) is determined by subtracting the heat of vaporization of the water vapor from HHV(lower line).

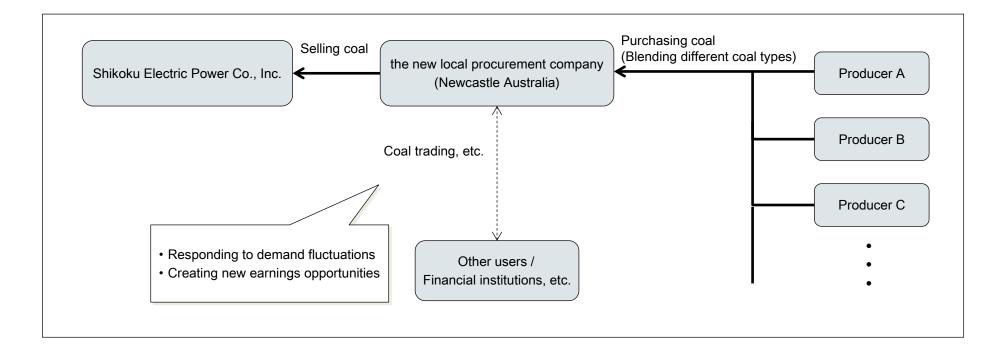
# Establishment of the New Coal Procurement Company

## ■Introduction of New Coal Procurement Scheme

#### [Our Aim]

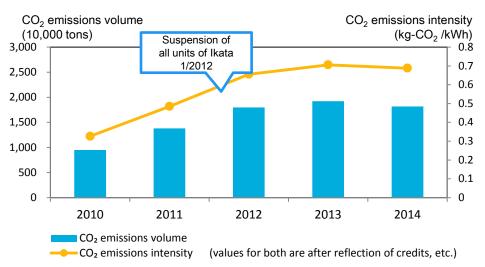
Establishment of the local procurement company abroad

- Purchasing coal directly from producer
  Blending high grade and low grade coal to ensure quality conforming to our power stations
- Stable procurement of coals offering reliable performance for low cost



## Response Toward Strengthening Environmental Regulations

## **Present Condition**



	2010	2011	2012	2013	2014
Electricity sales (10 million kWh)	2,910	2,844	2,741	2,721	2,639

#### Direction for the Future

Action Plan for the Electricity Industry to Achieve a Low-Carbon Society (officially announced on July 17, 2015)

- Aiming for an emission factor of around 0.37 kg-CO<sub>2</sub>/kWh (user end)
- Anticipating a CO<sub>2</sub> reduction of 11 million tons as the maximum potential for reductions through the use of the best available technology (BAT) affordable when establishing new thermal power generators, in addition to other initiatives

Source: Federation of Electric Power Companies, J-Power,
The Japan Atomic Power Company (JAPC), Volunteering Power Producers and Suppliers

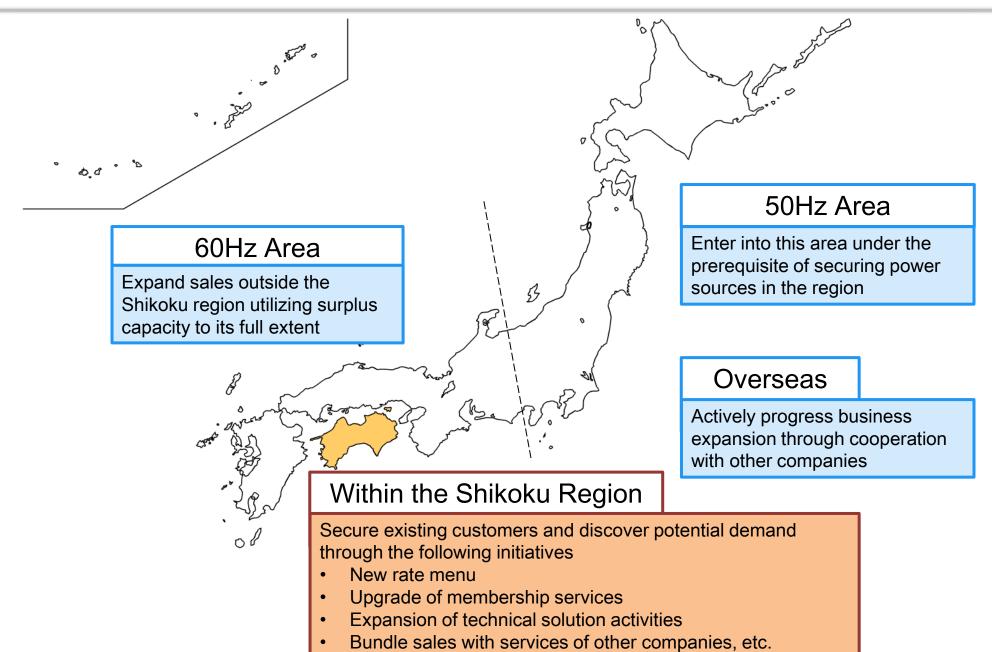


- < Content of Our Main Initiatives >
- Restarting operations at the Ikata Nuclear Power Station and safe and stable operations after restarting
- Improving efficiency through the replacement of aging thermal power
  - → Refitting Unit. No. 2 (oil) at the Sakaide Thermal Power Station with an LNG combined cycle system
  - → Replacing Unit No. 1 at the Saijo Thermal Power Station with highly efficient, ultra-supercritical (USC) generation equipment
- Improving efficiency through replacement of water turbines at hydro power stations
- Maximum utilization of renewable energy such as solar and wind power
- Providing information about energy conservation and expanding high-efficiency electronic equipment among customers, etc.



All Rights Reserved © 2016 YONDEN Shikoku Electric Power Co., Inc.

# **Basic Concept of Market Strategy**



## Enrichment and Enhancement of Customers' Services

■ Introduction of a New Menu for Electricity Rates

[New Menu for Residence]
Provision of various menu lineups

[New Menu for Offices and Stores]
Provision of new economical rate menus

■ Expansion in Content of Online Membership Services and Introduction of the Loyalty Program



## [ Started from March 2015 ]

- Inquiry services for electricity rates and amount of electricity used
- Optimal rate menu simulations
- Simulations of the effects of energy conservation, etc.

Started from January 2016 ]

· Loyalty Program, etc.

## [ Started from April 2016 ]

- Rate alert service
- Convenient monitoring service for energy usage amounts
- Point exchange service

## Plan for Smart Meter Introduction

## Anticipated Effects from the Introduction of Smart Meters

# Improvement of customer convenience Acceleration of commencing and suspending electricity supply, as well as verifying electricity usage amounts, when a customer changes residence Possibility of selecting a rate menu that conserves energy and matches the customer's lifestyle through the visualization of electricity usage amounts, etc. Improvement of business efficiency Possibility of remote control support for starting or discontinuing a contract Possibility of reducing meter inspection duties every month, etc.

# Smart meters for low-voltage use



## **Schedule for Smart Meter Introduction**

Extra-High-Voltage Supplies Large High-Voltage Supplies	Small High-Voltage Supplies	Low-Voltage Supplies
Introduction completed	Introduction scheduled to be completed by fiscal 2016	Introduction scheduled to be completed by fiscal 2023
	Introduction Progress (As of the end of June 2016)	<ul> <li>Currently implementing the introduction in line with legal replacement procedures,</li> </ul>
	Introduction completed: 27 thousand units Total contracts: 30 thousand units	<ul><li>etc.</li><li>Gradually commencing the introduction of automatic meters (starting fiscal 2016)</li></ul>

## ■ The Profit Target and Measures by 10 years

The Profit Target of Overseas Business (by 10 years)

4.0 billion yen / year

Net generation capacity:

About 1.5 million kW

## **Expanding Targets of Consideration**

✓ Expanding our net generation capacity focusing not only the Middle East Asia / gas power plant, but also the Southeast Asia and Americas / renewable energy which are expected to grow

## Strengthening Strategic Partnership

✓ Building relations with new partners, while strengthening of relations with existing partners, appealing of our strengths such as know-how we have cultivated in our domestic electric power business and connections with the local governments and companies developed through overseas consulting business

## ■ Overview of Existing Projects

	Qatar	On	nan		
Project	Ras Laffan C Barka 3 Sohar 2				
Project Details	Construction and operation of new power and desalination plants, sales of power and water	Construction and operation of new power plant power sales			
Power Generation Facilities	2,730 MW (GTCC)	744 MW each (GTCC)			
<b>Desalination Facilities</b>	290 k tons per day	-			
Investment Participation by SEPCO	7 %		7.15%		
Total Cost	Approx. US\$3.9 billion	Approx. US\$1.7 billion			
Project Term	April 2011—March 2036	April 2013—March 2028			

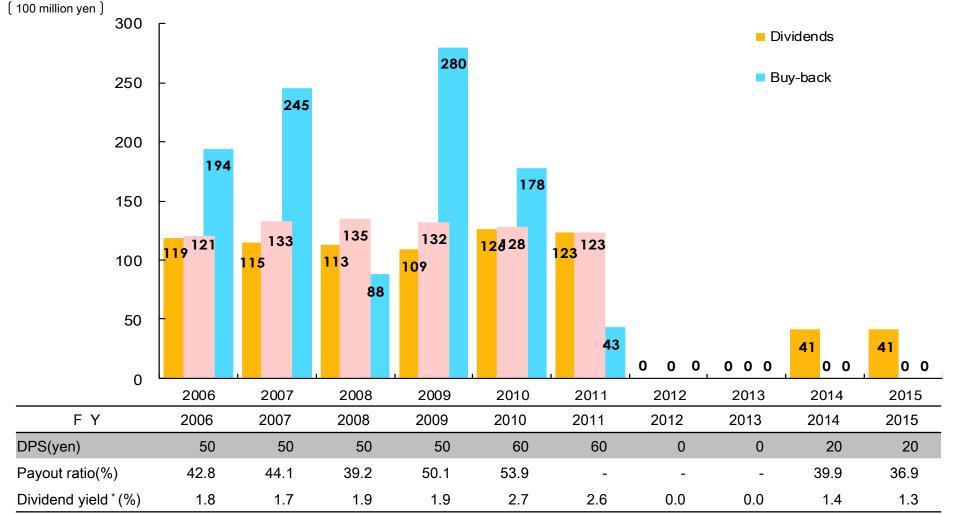
GTCC represents electricity generation by Gas Turbine Combined Cycle

FY )

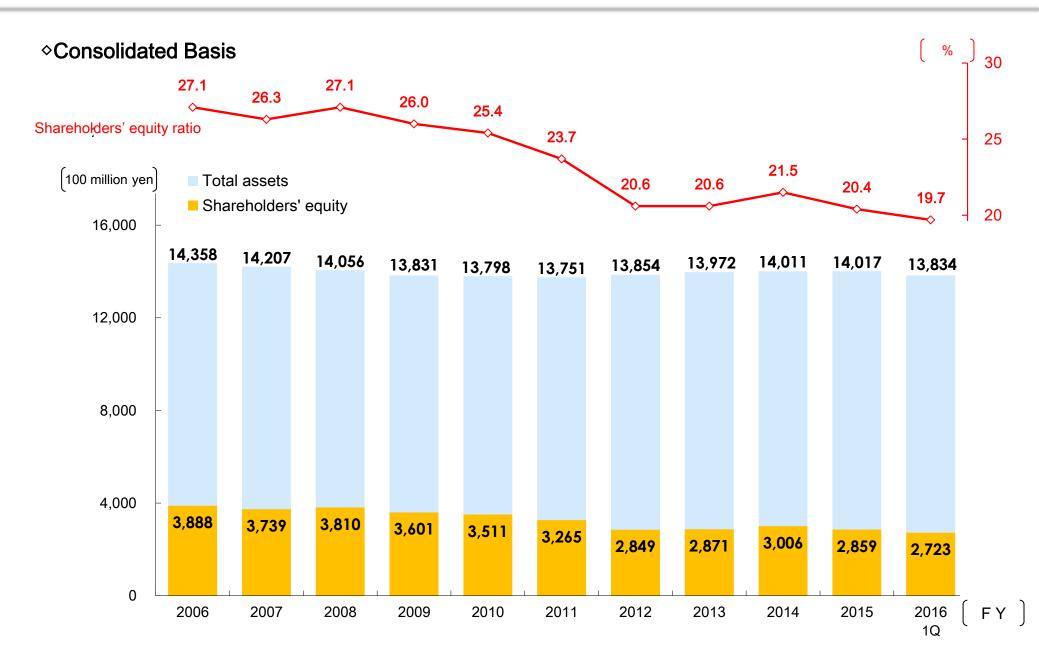
## Shareholder Return

- Paying stable dividend is our basic policy for returns to shareholders.
- We decide that based on comprehensive consideration of business performance, financial position, and the medium- to long-term business conditions.

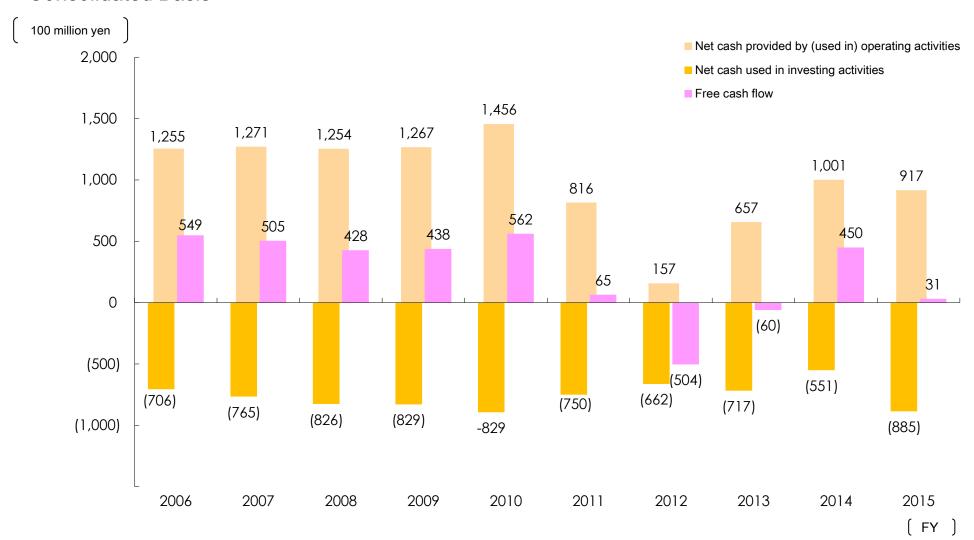
## ♦ Stock Information (Consolidated Basis)



<sup>\*</sup>Calculated form the closing price at the end of each fiscal year



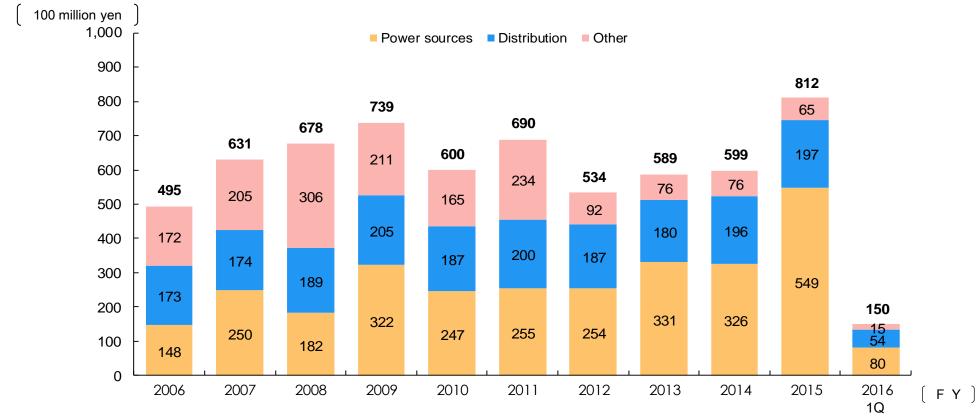
## **♦** Consolidated Basis



<sup>\*</sup> The enactment of the Law on the Creation and Management of Reserve Funds for the Reprocessing of Spent Fuel at Nuclear Power Stations has caused a temporary dip in Cash Flows from Operating activities and Free Cash Flow in FY2005, a special factor that has prompted the company to fund approximately ¥130 billion externally.

# Plant and Equipment Expenditures

## ♦ Non-Consolidated Basis



## **♦**Consolidated Basis

100 million yen

FΥ	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016 1Q
	565	706	776	803	666	757	654	757	721	917	162
Power sources	485	626	673	737	590	685	531	587	595	812	150
Others	80	80	102	65	75	71	122	169	125	104	12

\*before the elimination of unrealized profits

## Caution Regarding Business Forecasts and Forward-Looking Statements

In addition to historical facts regarding Shikoku Electric Power Company and its subsidiaries and affiliated companies, this presentation contains business forecasts and other forward-looking statements.

These statements are based on our assumptions and judgments in consideration of the information available at the time, and are therefore subject to risks and contain an element of uncertainty.

It is also possible that such forecasts will be revised at a later date in light of changes in the operating environment or other underlying assumptions for the forecasts. We ask that readers please take these factors into consideration.

