Management Overview

November 2018



The Okinawa Electric Power Company, Inc.

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Overview of Okinawa Prefecture



Basic Data

Population:	1,447,488			
No. of Households	592,155			
Area	2,281 km²			
Climate	Subtropical			
Location	26°12N 127°41E			
Prefectural GDP	¥4313.0billion			
Tourism Revenue	¥697.9billion			

- 160 islands scattered over a sea area lying about 1,000 kilometers east and west and about 400 kilometers north and south.
- \diamond Okinawa has attracted attention for its advantages and potentials.
 - •Geographical characteristics as being located in the center of East Asia.
 - •The highest birth rate in Japan.
 - •Rich nature and mild climate.

 \diamond Making good use of such advantages and potentials, initiatives are underway

- Promotion of tourism.
- •Clustering of international logistics industry.

Population, No. of Households as of September 1, 2018 Area as of October 1, 2017 Prefectural GDP as of Estimated results FY 2017 Tourism Revenue as of FY 2017 (Source: Okinawa Prefecture, Geographical Survey Institute)



The Okinawa Electric Power Company, Inc.

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Corporate Overview of OEPC

- The Okinawa Electric Power Company (OEPC) supplies electricity to 38 inhabited islands including Okinawa main island.
- OEPC maintains 11 isolated systems that are not connected with the transmission lines of other power companies.
- OEPC has no nuclear and hydroelectric power plants and depends on fossil fuels for its power supply.

Established	Mov 15, 1072	Security code	9511		
ESIADIISTIEU	May 15, 1972	Service area	Okinawa Prefecture		
Capital	¥7,586 million		Steam-power generators 5 locations 1,629 thousand kW (Oil 2 locations 375 thousand kW) (Coal 2 locations 752 thousand kW)		
Total assets	¥375.163 billion (Non-consolidated) ¥402.088 billion (Consolidated)	Generating facilities	(LNG 1 locations 502 thousand kW) Gas turbine generators 5 locations 326 thousand kW Internal-combustion power generators		
Employees	ployees 1,535 (Consolidated : 2,676)		13 locations 191 thousand kW Wind power generators 5 locations 2 thousand kW Total 2,148 thousand kW		

(as of March 31, 2018)

Ratings

Rating agency	S&P	Moody's	R&I		
Rating	A+	A1	AA		
Outlook (direction)	Positive	Stable	Stable		

* Ratings on long-term preferred debts as of October 31, 2018



Financial Results for FY2018 2Q YTD (Year-on-Year Comparison)

(Unit: million yen, X)

	Consolidated (A)			Non	-consolidated	(A) / (B)		
	FY2017 2Q YTD (Results)	FY2018 2Q YTD (Results)	Rate of Change	FY2017 2Q YTD (Results)	FY2018 2Q YTD (Results)	Rate of Change	FY2017 2Q YTD (Results)	FY2018 2Q YTD (Results)
Sales	105,078	109,593	+4.3%	101,664	105,776	+4.0%	1.03	1.04
Operating income	11,115	5,590	-49.7%	10,967	5,419	-50.6%	1.01	1.03
Ordinary income	10,414	5,096	-51.1%	10,537	5,217	-50.5%	0.99	0.98
Net income	8,255*	3,921*	-52.5%	8,434	4,124	-51.1%	0.98	0.95

* Net income attributable to owners of parent.

Consolidated and Non-consolidated : Increase in Sales, Decrease in Income (the first time in 4 years)

[Revenue]

- Increase in Sales due to increase in income from the Fuel cost adjustment system in Electric business.
- Decrease in Electricity sales volume in Electric business.

[Expenditure]

■ Increase in Fuel costs, Purchased power costs and Repair and maintenance costs in Electric business.

Annual Outlook Summary FY2018 (1/3)

(Unit: million yen, X)

		Consolio	dated(A)		Non - Consolidated(B)				(A) / (B)	
		FY2018	(Forecasts)	Forecasts)		FY2018	FY2018 (Forecasts)			
	FY2017 (Results)	Announced In Jul.2018 (I)	Announced In Oct. 2018 (II)	Change (II) - (I)	FY2017 (Results)	Announced In Jul.2018 (I)	Announced In Oct 2018 (II)	Change (II) - (I)	FY 2017 (Results)	FY 2018 (Forecasts)
Sales	196,134	207,300	207,800	+500	188,075	197,300	198,300	+1,000	1.04	1.05
Operating income	9,333	7,800	6,300	-1,500	7,160	6,400	4,900	-1,500	1.30	1.29
Ordinary income	8,381	6,700	5,200	-1,500	6,322	5,500	4,000	-1,500	1.33	1.30
Net income	6,273 [*]	5,100 [*]	3,800*	-1,300	5,106	4,400	3,100	-1,300	1.23	1.23

* Net income attributable to owners of parent.

Consolidated and Non-consolidated :Increase in Sales ,Decrease in Income(the first time in 6 years) [Comparison with previous forecasts (Jul.2018)]

[Revenue]

- Increase in Electricity sales due to increase in income from the Fuel cost adjustment system in Electric business.
- Decrease in Sales to outside customers in consolidated subsidiaries.

[Expenditure]

■ Increase in Fuel costs, Purchased power costs and Repair and maintenance costs in Electric business.



Annual Outlook Summary FY2013 (2/3)

■ Increase in Fuel costs and Purchased power costs due to unplanned repair and stoppage of Kin Thermal Power Plant (coal).

■ Unplanned repair and stoppage of Kin Thermal Power Plant (coal)

Overview

• Steam pipes in the boiler were partially damaged and repair work including pipe replacement was carried out.

·Increase in Fuel costs and Purchased power costs due to shift to LNG and oil thermal power plants, other company (coal).

Stop period due to repair

•Generator No.1: June 28-August 9 (43 days) •Generator No.2 : August 8-September 21 (45 days)

FY2018(Forecasts) Change July.2018 Oct.2018 Electricity Composition Electricity Composition Electricity Composition generated ratio generated generated ratio ratio Coal 42.3% 3.170 40.0% -200 3.370 -2.3pt OEPC Oil 14.1% 14.6% +0.5pt 1,127 1,154 +27LNG 1,545 19.4% 1,599 20.2% +54 +0.8pt Total 75.8% 5,923 74.8% 6,042 -119 -1.0pt Other company (Coal) 1,443 18.1% 1,528 19.3% +85 +1.2pt Other 6.1% 5.9% -26 -0.2pt 490 464 Total 7,975 100.0% 7,915 100.0% -60

Comparison of forecasts for power generated and received (Comparison with previous forecasts (Jul.2018))

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(Unit : million kWh)

Annual Outlook Summary FY2018 (3/3)

■ Increase in Repair and maintenance costs due to the restoration of damage caused by Typhoon No.24.

■ Damage caused by Typhoon No.24

Overview

- •Typhoon No.24 hit the Okinawa region from September 28 through 30.
- Since the Okinawa region was in the storm area of wind speed 25m/s or more for a long time, distribution facilities suffered extensive damage. (Okinawa main island : Approx.27 hours, Miyako island : Approx.17 hours)

[Maximum wind speed]

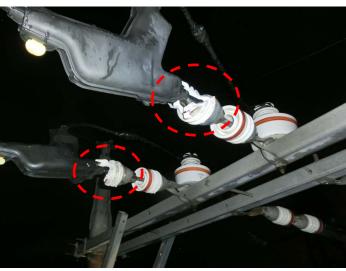
Naha city : 53.1m/s; Nanjo city : 56.2m/s [Reference] Gushikawa Thermal Power Plant : 73.1m/s

Comparison with typhoons that hit in past decade

	Maximum number of blackout houses		Maximum blackout hours
1	2012 No.17: 334 thousand	1	2018 No.24 : Approx.108 hours
2	2011 No.2 : 278 thousand	2	2012 No.17: Approx. 84 hours
3	2018 No.24 : 250 thousand	3	2015 No.21 : Approx. 81 hours

Extent of damage to facilities (main island)

	Number of broken utility poles	Number of broken insulators and others
2018 No.24	17	Approx.2,900
2012 No.17	72	Approx. 370



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*Broken insulators

Electric Energy Demand (Results)(1/3)

Electricity Sal	es Volume		(Unit: mi	llion kWh, %)
	FY2017 2Q YTD (Results)	FY2018 2Q YTD (Results)	Change	Rate of Change
Lighting	1,692	1,639	-53	-3.1
Power	2,505	2,474	-31	-1.2
Total	4,197	4,113	-84	-2.0

Power Generation Infrastructure and Power Generated and Received (Unit: million kWh, thousand kW)

		FY2018 2Q YTD					
		Electricity generated	Com- position ratio	Electricity generated	Com- position ratio	Maximum output	Com- position ratio
	Coal	1,905	42.2%	1,633	37.1%	752	30.6%
0 M	Oil	688	15.3%	640	14.5%	856	34.8%
PC	LNG	876	19.4%	923	21.0%	537	21.9%
	Total	3,469	76.9%	3,196	72.6%	2,145	87.3%
Oth	er company (coal)	781	17.3%	925	21.0%	312	12.7%
Oth	ner	261	5.8%	284	6.4%	-	-
	Total	4,511	100.0%	4,405	100.0%	2,457	100.0%

<Lighting>

Although number of customers increased, the demand for Lighting decreased Year-on-Year due to lower summer temperature compared with previous year when it was extremely hot.

<Power>

The demand for Power decreased Year-on-Year due to switching to other suppliers and lower summer temperature compared with previous year when it was extremely hot.

<Power Generation Infrastructure>

• The maximum electric power output decreased 5,705kW.*

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(Miyako power plant No.10	:	-4,500kW
	Kumejima power plant No.9	:	-2,000kW
	Shin tarama power plant No.4	:	-230kW
	Shin tarama power plant No.5	:	-200kW
	Tonaki power plant No.1	:	-75kW
	Yonaguni power plant No.10	: +	+1,000kW
$\left(\right)$	Shin tarama power plant No.8	:	+300kWノ

<Power Generated and Received>

- Power generated and received was 4,405 million kWh, down 2.4%.*
- Ratio of OEPC's coal-fired thermal power was down 5.1 points.*
- Ratio of Other company's coal-fired thermal power was up 3.7 points.*
- Ratio of LNG-fired thermal power was up 1.6 points.*
- Ratio of oil-fired thermal power was down 0.8 points.*



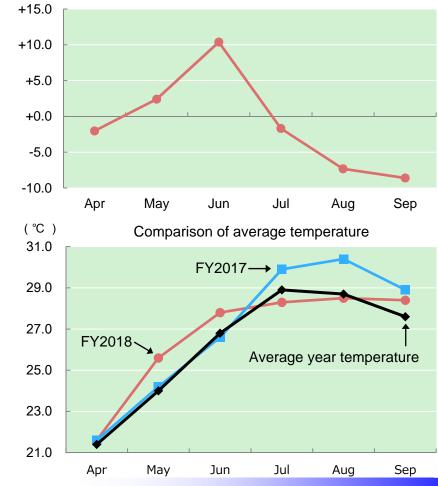
*Comparison with the same period of the previous year.

Electric Energy Demand (Results)(2/3)

- Electricity sales volume for the first half of FY2018 stood at 4,113 million kWh, a decrease of 2.0% year on year.
- Average temperature during FY 2018 2Q (from July to September) was 1.3°C lower than the previous year; temperature in July and August was lower than the average year.

Electricity	y sales	(Un	it: millioi	n kWh,%)			
	Apr	May	/lay Jun Jul A		Aug	Sep	1st half
FY2018 Results	539	558	693	743	778	802	4,113
FY2017 results	550	545	627	756	841	878	4,197
Rate of Change	-2.0	+2.4	+10.4	-1.7	-7.3	-8.6	-2.0

(Unit: °C) Jul Apr May Jun Aug Sep 1st half FY2018 27.8 21.6 25.6 28.3 28.5 28.4 26.7 (Compared to (+0.2)(+1.6) (+1.0) (-0.6) (-0.2) (+0.8)average year (+0.5)temperature) FY2017 21.6 24.2 26.6 29.9 30.4 28.9 26.9 (Compared to average year (+0.2)(+0.2)(-0.2) (+1.0)(+1.7) (+1.3)(+0.7)temperature) Average year 21.4 24.0 26.8 28.9 28.7 27.6 26.2 temperature

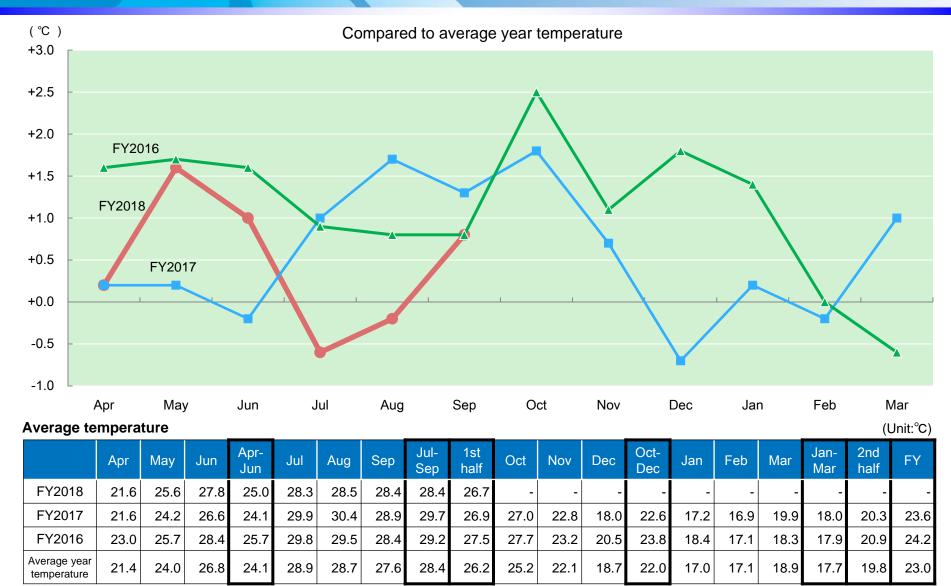


(%) Electricity sales volume (FY2018) YoY Rate of Change

Average temperature



Electric Energy Demand (Results)(3/3)





Electric Energy Demand (FY2018 and Long-term Outlook)

Electricity sales volume (FY2018 Outlook)

	FY2017 FY2018 Results Forecasts		Unit : million kWh, %) YoY Rate of Change	
Lighting	3,140	3,046	-3.0	
Power	4,621	4,528	-2.0	
Total	7,761	7,574	-2.4	

Electricity sales volume (Long-term Outlook)

	(Unit: million kWh, %			nillion kWh, %)	
	FY2006 Results	FY2016 Results	FY2027 Forecasts	2006-2016 Annual average growth rate	2016-2027 Annual average growth rate
Lighting	2,881	3,115	3,188	0.8 (0.5*)	0.2 (0.5*)
Power	4,495	4,698	4,707	0.4 (0.1*)	0.0 (0.4*)
Total	7,376	7,813	7,895	0.6 (0.3*)	0.1 (0.5*)

* Adjusted for the influence of temperature.

(Lighting)

Demand for lighting is expected to be lower year-on-year due to reactionary fall from an increase in the demand caused by high temperatures in the previous summer although demand is expected to increase due to an increase in the number of customers. (YoY growth:-3.0%)

(Power)

Demand for power is expected to be lower than the previous year, due to a reactionary fall from demand due to high temperature in the summer of last year and a decrease in demand due to switching to other suppliers.

However is expected to be increase in the number of commercial and other facilities and the construction-related demand (steel industry and ceramic industry).(YoY growth:-2.0%)

(Total)

As explained above, the total electricity sales volume is expected to be 7,574 million kWh, short of the previous year. (YoY arowth:-2.4%)

(Lighting)

Demand for lighting is expected to increase moderately owning to an increase in the number of customers resulting from growth in the number of population and households. (Annual average growth:0.5%*)

(Power)

Demand for power is expected to grow modestly due to increase in the number of commercial and other facilities as well as larger livelihood-related demand (food manufacturing,etc.) in the background of increases in the population and tourists. although despite to impact of contract switching to other suppliers. (Annual average growth:0.4%*)

(Total)

As explained above, the total electricity sales volume is expected to be 7,895 million kWh, marking a moderate increase. (Annual average growth:0.5%*)



Capital Expenditures Plan (Electric Business)

- Capital investment in FY 2018 is expected to be around 25 billion yen.
- Large-scale power source development is not planned for the next few years.
- Although costs for responding to aging of supply facilities are expected to increase, efforts are made to level off investment amounts.

Trends in the Capital Investment Amount

(Unit: 100million yen)

By fa	FY	2013 【Results】	2014 【Results】	2015 【Results】	2016 【Results】	2017 【Results】	2018
Powe	er sources	126	109	40	29	34	41
ies	Transmission	32	37	51	56	39	88
acilit	Transformation	40	37	22	35	21	32
Supply facilities	Distribution	51	58	51	59	59	79
Sul	Subtotal	124	133	125	151	120	200
Othe	rs	18	2	17	11	14	7
	Total	268	245	184	193	168	247

Note: The figures may not exactly match the figures because of rounding.

[Major Projects in Upcoming Capital Investments] Supply facilities: Expansion of Tomoyose Substation

Business environment and challenges

ltem	Overview and Challenges
Sales	 The business environment including increase in population and tourists remains the same. However, the growth in power demand will slow down. Challenges will be sales expansion of electricity and gas.
Profitability	 Due to shift from coal to LNG, burden of fuel cost reduces profit. A challenge will be to improve profitability. The cost structure must be reviewed.
CF	 No large-scale electric power development is planned for the time being. A certain level of free cash flow will be secured. The Company has a certain capacity for additional investment.
Capital composition	 Interest-bearing debt is diminishing. Equity capital is secured at the level necessary for financial stability. A challenge is to improve capital efficiency.

The OEPC Group Medium- to long-term growth strategy

1. What we at the OEPC Group aim to be

The OEPC Group Vision sets out our vision for the future, pledging to "design and propose new value through services to support both corporate and individual customers" through our core business as a total energy supplier and to "become a unified business group that grows and develops hand-in-hand with the community."

2. Financial target (consolidated)

	2017(Results)	2018(Forecast)	2020(Target)	2025(Target)
Ordinary income	8.3 billion yen	5.2 billion yen	<u>9 billion yen or</u> more	<u>12 billion yen or</u> more
ROE	<u>4.1%</u>	<u>2.5%</u>	4% or greater	<u>5% or greater</u>
Capital adequacy ratio	<u>37.7%</u>	<u>37.3%</u>	Maintaining the <u>30%</u> mark	Maintaining the <u>30%</u> mark

3. Focused activities for "what we aim to be"

(1) Active development of total energy services (electricity and gas sales expansion)

- O Launching new electricity rate choices and options that attract customers
- O Strengthening electrification promotion activities that reflect customer needs
- Continuing promoting sales of natural gas, which is excellent in the environmental and safety perspectives
- \odot Promoting ESP projects and actively participating in large-scale urban development projects

(2) Fundamental reform of the cost structure

- O Examining and conducting a zero-based review on operations of individual business fields
- Considering the medium- and long-term power source composition, which can contribute to reduction in the power generation cost



Energy Service Provider (ESP) Business

- We have established a new company called The Reliance Energy Okinawa, Inc., which is an energy service provider (ESP).
- We own energy facilities on behalf of customers, process energy, supply it.

[Status of Okinawa Prefecture]

- Large-scale development of urban areas (e.g. former U.S. military bases)
- · Construction of hotels in response to an increase in the number of tourists
- Construction of large-scale retail stores

[Issues facing customers]

- Initial investment in energy use (e.g. electricity and gas)
- Burdens involved in facility operation/maintenance and emergency response



SAN-A ISHIKAWA CITY

- It owns energy facilities on behalf of customers.
- It provides electricity and gas in the forms of, for example, air-conditioning water, (cold / hot) hot-water supply and steam.



Characteristics of the Business Bases

Demand for Electric power	 Increasing demand due to population growth and increasing tourists. As the proportion of energy for consumer use is high, effects of economic fluctuations are low. Potential demand due to large-scale urban development projects.
Competition	 OEPC is outside the framework of wide-area power interchange because it has an isolated system. OEPC has voluntarily released power of 10,000kW supplied by J-Power. Power producer and supplier is currently implementing plans to construct power plants.
Electric Power Generation Facilities	 A high reserve supply capacity is required due to an isolated system. Reliant on fossil fuels only due to difficulties to develop nuclear or hydraulic power generation. A sufficient supply capacity is secured after Yoshinoura Thermal Power Plant has started operations.
Fuel	 Having introduced LNG, OEPC now provides total energy services.
Remote Islands	 OEPC supplies power to 11 isolated systems including those in the main island. The region has a high cost structure because it has small islands and also because the scale of the economy is small. This leads to constant loss recording.
Renewable Energy	 Reducing fuel consumption and cost is highly effective on remote islands, where fuel unit price is high. Since the system in the main island of Okinawa is small and independent, the limit of connection volume is likely to occur when using renewable energy.





This document includes statements concerning future results. Such statements are based on calculations and predictions and are neither definite nor guaranteed. Please be aware that future results may change in accordance with changes in assumptions related to the management environment and the like.

[Enquiries regarding this document]

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