

The Outline of the Fiscal Year 2013 Electricity Supply Plan (Appendix)

1 Power Demand Outlook

[Electricity sales]

- The electricity sales in FY 2013 is estimated to be 267,000GWh (-0.6% compared to the previous year, +0.9% after air temperature correction) in consideration of the downturn in sales in reaction to the impact of temperature in the previous year despite reflection of the economic recovery forecast.
- In mid to long term, though electricity saving of the level equivalent to FY 2012 is expected to continue, the annual average increase rate during the period from FY 2012 to FY 2022 is estimated to be 1.0% considering a gradual economic growth (after air temperature correction.)

[Maximum demand]

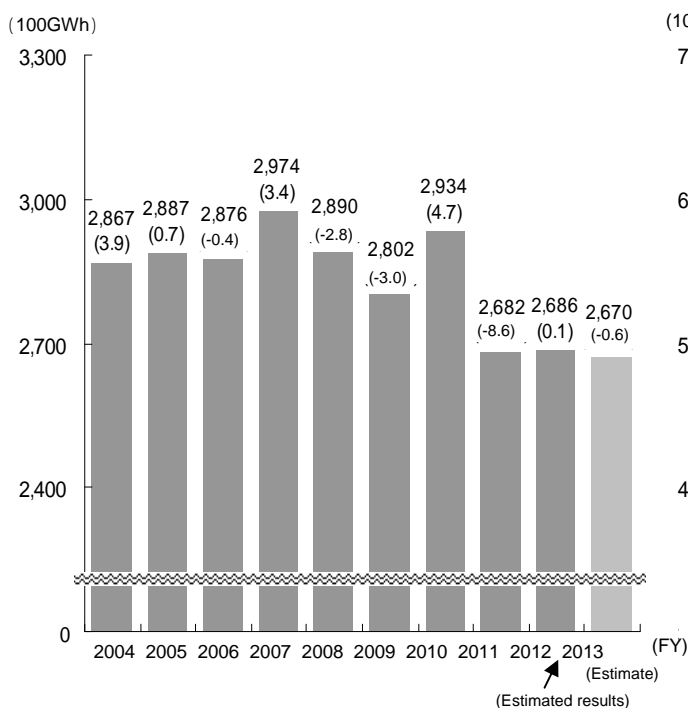
- The maximum demand in FY 2013 (three-day average of the maximum power demand at the transmitting end) is estimated to be 49,820MW (+1.4% compared to the previous year, +1.3% after air temperature correction) as a result of forecasting economic and electricity saving and anticipating the level of demand management policy effect to be equivalent to FY 2012 as is the case of electricity sales.
- In mid to long term, the annual average increase rate during the period from FY 2012 to FY 2022 is estimated to be 1.0% (after air temperature correction) as is the case of electricity sales.

		FY 2011 results	FY 2012 estimated results	FY 2013	FY 2022	Annual average increase rate from FY 2012 to 2022 (%/year)
Electricity sales (100GW)		2,682	2,686	2,670	2,925	-
	Increase rate compared to the previous year (%)	-8.6 (-7.9)	0.1 (0.6)	-0.6 (0.9)	-	0.9 (1.0)
Maximum demand in the summer	Three-day average at the transmitting end (10MW)	4,767	4,911	4,982	5,453	-
	Increase rate compared to the previous year (%)	-18.0 (-19.0)	3.0 (7.4)	1.4 (1.3)	-	1.1 (1.0)

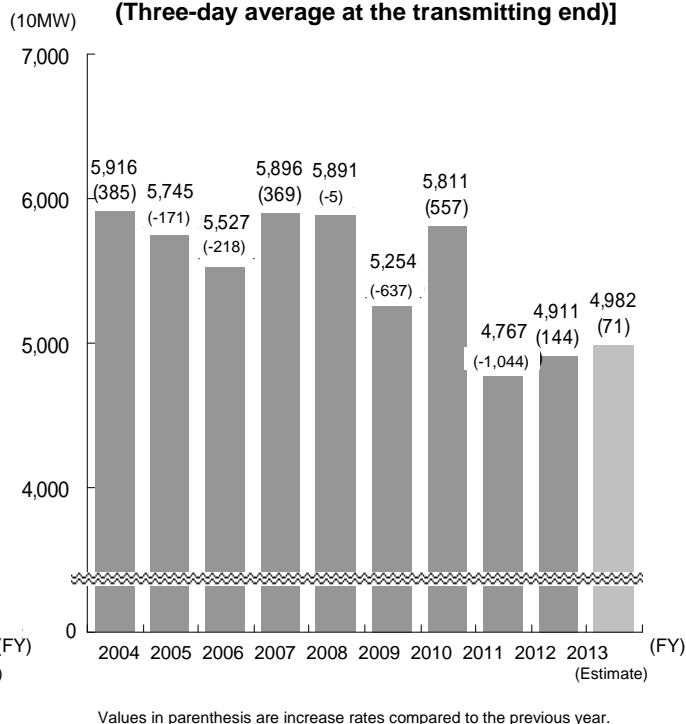
(Note) The values in parenthesis given under "electricity sales" are after leap year air temperature correction.

The values in parenthesis provided under "maximum demand in the summer" are increase rates after air temperature correction.

[Change in electricity sales]



[Change in the maximum demand in the summer (Three-day average at the transmitting end)]



Values in parenthesis are increase rates compared to the previous year.

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2 Power Generation Facility Plan

[Major Power Generation Facility Plan]

	Location	Output (10MW)	Start of Operation
Hydro electric	Kannagawa Unit 2, 3-6	47x5	Jun. 2012, FY2023 or later
	Kazunogawa Unit 3 and 4	40x2	May 2014, FY2023 or later
Coal Thermal	Hitachinaka Unit 2	100	Dec. 2013
	Hirono Unit 6	60	Dec. 2013
LNG Thermal	Kawasaki Group 2	192	Feb. 2013, Jul. 2016, Jul. 2017
	Chiba Group 3	150	Apr. 2014, Jun. 2014, Jul. 2014
	Kashima Group 7	124.8	May 2014, Jul. 2014, Jun. 2014
	Goi Group 1	213	FY2023 or later
Nuclear	Higashidori Unit 1 and 2	138.5x2	Not yet determined
Renewable Energies	Higashi-izu Wind Power Station	1.837	Mar. 2015

[Closing Plan of Emergency Power Plant]

	Location	Output (10MW)	Closing
Emergency	Sodegaura GE	11.22	Mar. 2013
	Yokosuka Units 3, 5, 6 GT	32.96	Mar. 2013, Jun. 2013, Jun.2013

* GE : Gas Engine

3 Power Network Facility Plan

[Major Power Network Facility Construction Plan]

	Project Name	Voltage (kV)	Scale	Start of Operation
Transmission	Nishi-Jobu Trunk Line Construction	500	110.4km	Jun. 2014
	Kawasaki-Toyosu Line Construction	275	22.2km	Nov. 2016
	Chiba-Katsunan Line 1, 3 Construction	275	30.4km	Mar. 2014
Substation	Shin-Motegi Expansion	500	1,500MVA	Mar. 2013
	Keihin Replace	275	450MVA / -220MVA	Jun. 2013
	Daikanyama Construction	275	600MVA	FY2023 or later

4 Wide Area Operation

* Transmission scale: Horizontal distance, Substation scale: Increase output

[Wide Area Power Generation Development Plan]

	Location	Developer	Output (10MW)	Start of Operation
Nuclear	Ohma	J-Power	138.3	Not yet determined

[Wide Area Interconnected Facility Development Plan]

	Project Name	Voltage (kV)	Scale	Start of Operation
50Hz-60Hz Interconnection	Tokyo-Chubu Direct Current Trunk Line (Tentative Name) Construction	Not yet determined	Approx. 100km	FY2020
	Shin-Shinano AC/DC Converter (Tentative Name) Construction	Not yet determined	900MW	FY2020