

# Overview of FY2013 “Electric Power Supply Plan”

## Demand outlook

(units: 100 million kWh, 10,000 kW, %)

Fiscal year	2011 (Results)	2012 (Estimated results)	2013	2014	2015	2016	2017	2022	2022/2011 Yearly average increase %
Electric energy sold	1,279 《1,266》	1,254 (1,244)	1,241	1,249	1,256	1,263	1,274	1,327	0.3 《0.4》
Peak load	<2,502> (2,439)	<2,457> (2,390)	2,414	2,434	2,444	2,454	2,467	2,533	0.4 (0.3)

Note) Figures in ( ) are adjusted for temperature; figures in 《 》 are adjusted for temperature and leap year  
 Note) Peak load is the maximum three-day average at the transmitting end (figures in < > are results for the generating end). FY2013 peak load (generating end) estimated at about 24.9 GW  
 Note) In FY2012, peak load was recorded in July

## Main Power Generation Facilities Plan

(Unit: 10,000 kW)

Fiscal year	2012 (Results)	2013	2014-2017	2018-2022
Nuclear				
Thermal Power	Joetsu Thermal Power Group No.1 119(2012/7,2013/1)	Joetsu 2-1 59.5(2013/7) Nishi-Nagoya Unit1-4 ▲119(FY2013)	Joetsu 2-2 59.5(2014/5) Nishi-Nagoya Group No.7 231.6(2017/9,2018/3)	
Chubu Electric Power	Hydro Power	Okuyahagi Daiichi 3*1 +0.2(2012/6)	Tokuyama 2 2.24(2014/6) Tokuyama 1 13.1(2015/6)	1 location 0.032(FY2018)
		Okuizumi*1 +0.5(2012/6)	Atagi 0.019(2015/6)	1 location 0.5(FY2020)
		Wago*1 +0.02(2012/10)	Nyukawa 0.035(2016/6)	1 location 0.73(FY2022)
		Mie Prefecture hydroelectric power stations 2 locations 0.38(2013/4) <Acquired>	2 location 0.051(FY2015)	1 location 0.73(FY2022)
			Mie Prefecture hydroelectric power stations 8 locations 9.42(2014/4-2015/4)<Acquired>	
New Energy			Mega Solar Shimizu 0.8(2015/2)	
Subtotal	119.72	59.88 ▲119	316.765	1.262
Power Purchased				
Group Companies, etc.*2	New Energy Source	Wind Power	Tahara joint project 0.6(2014/10) Aoyama-Kogen Wind Farm expansion 8(FY2015,2016) Wind farm Minami Ibuki(Tentative name) 3.2(FY2017)	3 location 5(FY2021-2022)
		Solar	4 location 0.55(FY2012)	9 location 1.42(FY2013)

Note) Facilities for which the date of commencement of operation is undecided are not included.  
 \*1. Output increase from facility improvement, etc. (results)  
 \*2. For Group companies, etc., projects are listed where a Group company is the power producer or made the investment, etc.

## Distribution facilities plan

Subject	Scale*	Scheduled start of use
275 kV Suruga - Higashi Shimizu line	16km	November 2013(Partial operation in November 2012)
275kV Ama - Meijo Line π connection to Ushijima-cho(sub)	0.1km	January 2017
500 kV Tokyo/Chubu Interconnecting Converter Station Branch Line (tentative name)	Undecided	FY 2020
275kV Higashi Shimizu Substation	500,000 kVA	November 2013
Ushijima-cho Substation 275/77 kV Transformer installed	600,000 kVA	February 2017
Ushijima-cho Substation Transformer voltage step-up(154/33 to 275/33 kV)	—	May 2017
275 kV Kawane Substation transformer replacement	400,000 kVA→600,000 kVA	May 2017
Expansion of 275 kV Nishi-Nagoya Substation	450,000 kVA	June 2018
Tokyo/Chubu Interconnecting Converter Station (tentative name)	900,000 kW	FY2020

Note) Facilities have not been listed if the scheduled start of use is undecided  
 \* Figures for transmission lines are distance; figures for substations are added output

## POWER SYSTEM MAP

