

## Electricity Generated and Purchased in November 2005 (Bulletin)

### 1. Nationwide Summary

Total electricity generated and purchased in November 2005 was up 3.9% across the ten companies to 74.66 billion kWh. The rise was due to increased demand for heating caused by lower temperatures, and increased large industrial user demand.

#### (Breakdown)

**Hydro**  
Flow rates were below those of last year, leading to a decline in hydroelectric generation. 3.01 billion kWh were generated, down 38.9%.

**Thermal**  
An overall rise in electricity generated and purchased led to a 6.6% increase in thermal generation. 34.83 billion kWh were generated.

**Nuclear**  
The capacity utilization rate at all companies was up compared to last year, resulting in a 7.9% rise in nuclear power generation. 24.32 billion kWh were generated. Capacity utilization rates in November 2005 and November 2004 were 73.5% and 70.4% respectively (Japan Atomic Power Company figures excluded).

### 1. Power Generated & Purchased Overview

	This Month (November)				Year-on-Year Change (prev. 3 months; %)						
	Summary		Year-on-Year Change (%)		October		September		August		
	9-Co. Total	10-Co. Total	9-Co. Total	10-Co. Total	9-Co. Total	10-Co. Total	9-Co. Total	10-Co. Total	9-Co. Total	10-Co. Total	
Power Generated & Purchased (100 million kWh)	740.4	746.6	3.9	3.9	2.1	2.2	1.9	1.9	3.1	3.1	
Source	Hydro	30.1	30.1	-38.9	-38.9	-41.7	-41.7	-7.5	-7.5	10.0	10.0
	Thermal	343.6	348.3	6.8	6.6	-5.3	-4.9	-3.5	-3.4	0.8	0.8
	Nuclear	243.2	243.2	7.9	7.9	33.3	33.3	17.8	17.8	13.3	13.3
Purchased	128.9	130.5	3.3	3.8	3.6	3.5	1.1	1.1	-6.4	-6.3	
Flow Rate	77.2		(rate same month last year) 125.8		77.0		102.2		101.9		
Nuclear Capacity Utilization Rate (incl. JAPC)	74.5		(rate same month last year) 72.2		71.6		67.4		74.5		

### 2. State of the Companies

Business results at all companies rose due to increased large industrial user demand.

#### [Flow Rates]

Flow rates at all companies were below average. As a result, the flow rate across the nine companies was 77.2%.

(Unit : %)

	Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9 companies
Flow rates	80.2	81.6	81.5	72.9	66.9	72.4	84.5	58.5	91.9	77.2

### 2. Power Generated & Purchased Change by Co. & Month (%)

By Company \ By Month	FY2004	Dec. 2004	Dec.	Jan. 2005	Feb.	Mar.	Apr.	May.	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.
Hokkaido	2.2	1.3	3.2	3.0	1.5	3.6	2.9	2.7	0.9	-1.9	2.7	2.1	0.7	1.7
Tohoku	3.2	-0.3	1.2	3.0	3.1	4.7	2.2	1.5	2.8	-4.3	5.2	2.7	2.0	5.9
Tokyo	4.0	0.2	-0.5	1.9	3.7	2.7	1.5	-2.6	-1.9	-10.2	4.4	-0.2	0.6	3.2
Chubu	3.6	2.3	-0.4	1.1	1.6	3.6	2.2	-0.4	1.4	-5.8	3.6	2.9	3.2	5.3
Hokuriku	5.8	4.3	2.9	5.5	5.3	8.2	2.9	3.1	4.3	-3.7	2.7	4.2	4.3	6.8
Kansai	3.2	1.5	-0.8	1.1	1.7	3.5	2.3	-2.8	0.3	-7.2	2.1	0.7	0.9	2.8
Chugoku	4.7	3.7	1.8	3.8	4.0	6.3	3.9	-0.6	2.6	-5.6	1.3	3.9	3.0	3.0
Shikoku	3.5	1.4	-0.2	1.3	3.1	5.6	2.7	1.5	4.3	-5.8	2.3	1.2	3.4	3.4
Kyushu	3.7	2.2	-1.4	2.9	4.9	6.4	2.4	-0.4	2.4	-4.0	-0.1	6.9	7.0	5.2
9-Co. Total	3.7	1.3	-0.1	2.1	3.1	4.0	2.2	-1.1	0.5	-7.0	3.1	1.9	2.1	3.9
Okinawa	0.1	-2.0	3.8	1.3	-1.2	2.5	-1.5	-4.9	-0.6	2.7	1.3	4.3	13.5	2.1
10-Co. Total	3.7	1.3	0.0	2.1	3.0	4.0	2.1	-1.2	0.5	-6.9	3.1	1.9	2.2	3.9

## 1. Power Generated & Purchased Volume by Co. & Source

By Source \ By Company		Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total
		Vol. of Power Generated & Purchased (1,000 kWh)	Hydro	173,335	533,261	541,321	420,015	259,045	669,451	176,036	61,837	173,244	3,007,545
	Thermal	1,499,754	4,386,144	12,031,624	6,801,361	1,522,563	2,657,607	2,411,993	1,114,781	1,938,322	34,364,149	463,083	34,827,232
	Nuclear	853,482	401,262	8,617,482	2,634,136	778,513	5,319,830	928,604	1,067,763	3,723,126	24,324,198		24,324,198
	Others	0	0	0	0	0	0	0	0	0	0		0
	Purchased	295,968	1,713,888	3,215,984	1,287,609	-79,427	3,729,218	1,610,803	133,819	978,969	12,886,831	158,976	13,045,807
	Pumped Storage	-1,055	-2,040	-146,866	-23,976	-1,458	-299,458	-59,479	-5,730	-1,924	-541,986	-1,519	-543,505
	Total	2,821,484	7,032,515	24,259,545	11,119,145	2,479,236	12,076,648	5,067,957	2,372,470	6,811,737	74,040,737	620,540	74,661,277
	Year-on-Year Change (%)	101.7	105.9	103.2	105.3	106.8	102.8	103.0	103.4	105.2	103.9	102.1	103.9
Flow Rate (%)		80.2	81.6	81.5	72.9	66.9	72.4	84.5	58.5	91.9	77.2		77.2
Peak Load (1,000 kW)	Monthly Peak Load	30/18h 4,913	30/18h 12,600	21/18h 45,254	30/18h 20,465	30/17h 4,436	30/18h 22,061	30/18h 8,480	30/18h 4,076	30/19h 12,186	-	11/19h 1,212	-
	Average for 3 Peak Load Days	4,908	12,434	44,698	20,263	4,391	21,862	8,465	4,041	12,038	133,100	1,169	134,269

## 2. Fuel Use by Co. & Type

By Fuel \ By Company		Hokkaido	Tohoku	Tokyo	Chubu	Hokuriku	Kansai	Chugoku	Shikoku	Kyushu	9-Co. Total	Okinawa	10-Co. Total
		Coal (t)	Purchased	412,578	655,385	501,588	690,718	412,376	221,392	624,604	204,024	353,560	4,076,225
	Consumed	409,183	554,086	333,651	749,843	434,252	196,612	512,845	239,087	357,789	3,787,348	117,274	3,904,622
Heavy oil (kl)	Purchased	68,320	141,365	332,401	5,700	14,087	7,104	93,392	40,070	5,016	707,455	20,904	728,359
	Consumed	79,661	186,600	317,072	12,386	31,756	15,824	75,372	32,111		750,782	19,128	769,910
Crude oil (kl)	Purchased	2,992	93,666	205,341	227,285	12,030	48,020	11,003	35,067	9,016	644,420		644,420
	Consumed		84,965	206,714	149,506	24,822	58,996	13,336	36,477		574,816		574,816
LNG (t)	Purchased		224,076	1,334,748	545,593		294,269	102,697		144,619	2,646,002		2,646,002
	Consumed		232,431	1,234,888	652,854		289,014	80,948		121,572	2,611,707		2,611,707
Naphtha (kl)	Purchased			150							150		150
	Consumed			3,203							3,203		3,203