

# The Supply and Demand Result for the summer of 2011

September 26, 2011  
Tokyo Electric Power Company

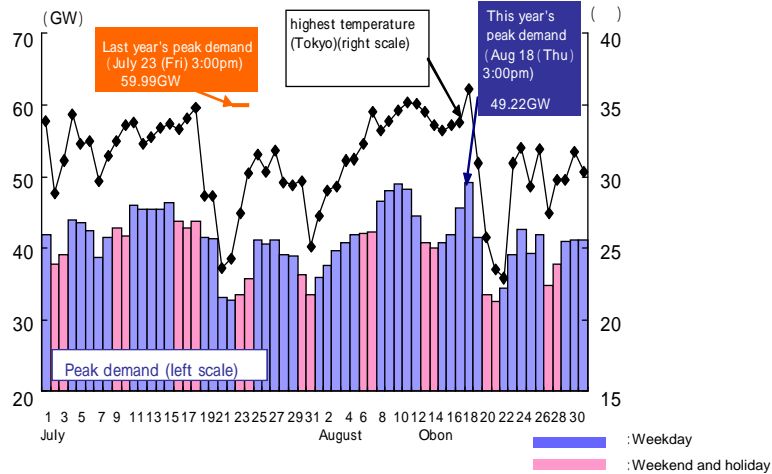
## 1. The weather of this summer (July and August)

- The power of Pacific anticyclones was very volatile this summer. As such, the ambient temperature fluctuated significantly.
  - The end of the rainy season at the Kanto and Koshinetsu districts was on July 9 (Sat) which was 12 days earlier than average year (July 21). We experienced consecutive high temperature at the middle of July (just after the end of the rainy season) and the middle of August whereas we experienced cooler days with the highest temperature of below 25.
  - In overall, the level of temperature was lower than last year which was record heat (July was 1.5 higher than average year and August was similar to average year).
- Note: temperature and date are by Japan Meteorological Agency

## 2. The trend of daily peak demand and highest temperature this summer

- The peak demand this summer was 49.22GW on August 18 (Thu) with the highest temperature at Tokyo region of this summer, 36.1.
- (The supply capacity was 54.60GW)
- This was lower than last year's result (July 23 (Fri) 59.99GW, the highest temperature at Tokyo region of 35.7) by 10.77GW.

The trend of daily peak demand and highest temperature this summer



<the trend of daily maximum temperature (partial month average)>

	July				August			
	Early	Middle	Late	Total	Early	Middle	Late	Total
This year	32.0	32.6	28.5	30.9	31.7	33.2	29.1	31.2
Average year	27.8	29.4	30.8	29.4	31.4	31.2	30.7	31.1
Last year	29.9	31.3	33.5	31.6	32.6	33.6	34.4	33.5
Variance from average year	4.2	3.2	2.3	1.5	0.3	2.0	1.6	0.1
Variance from last year	2.1	1.3	5.0	0.7	0.9	0.4	5.3	2.3

<peak demand of this summer>

Rank	Date	Peak demand	Time	Highest temperature
1	Aug 18 (Fri)	49.2GW	3 pm	36.1
2	Aug 10 (Mon)	49.0GW	3 pm	34.5
3	Jul 25 (Fri)	48.4GW	2 pm	35.2
4	Aug 7 (Thu)	48.2GW	3 pm	33.9
5	Jul 24 (Thu)	47.0GW	3 pm	32.3

Past peak	Jul 24, 2001 (Tue)	64.3GW	2 pm	38.1
Last year's peak	Jul 23, 2010 (Fri)	60.0GW	3 pm	35.7

Note highest temperature is at Tokyo region (by Meteorological Agency)

## 3. Our effort in securing supply capacity for this summer

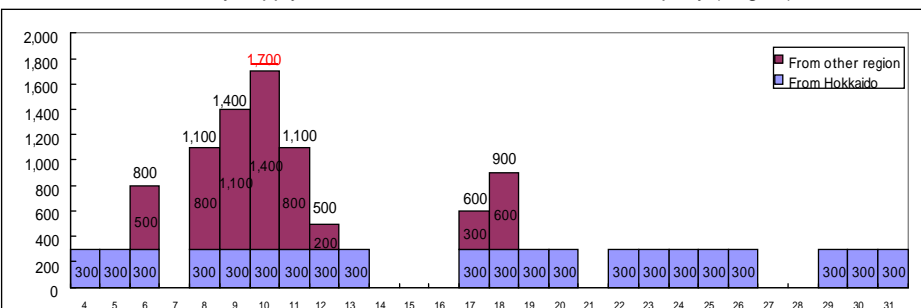
- After the earthquake, in preparation for the possible high demand this summer, we undertook below measures and secured 20GW (at the end of August) of supply capacity.

Restoration of damaged facilities    Emergency installation of facilities  
Resumption of mothballed thermal power plants    Utilization of in-house generators

Measures	Content	Capacity (MW)	Note
Restoration of damaged facilities	Stopped due to damage from the earthquake: 13 Units Chiba 2-1T, Yokohama 8-4T, Goi 4T, Oi 2, 3T, Higashi Ogishima 1T, Kashima 2, 3, 5, 6T, Hirono 2, 4T, Hitachinaka 1T	8,480	All restored (July)
	Damaged during maintenance outage: 5 Units Kashima 1, 4T, Hirono 1, 3, 5T	3,400	All restored (July)
	(Hydro of other company) J-Power: 1 location	680	Restored (July)
	(Thermal power of other company) joint thermal: 3 locations (8 Units) On top of the above, 2 locations (3 Units) are targeting to resume operation by the end of this year and under restoration	1,630 (*)	Restored 8 Units (July)
	(Thermal power of other company) IPP: 8 locations (10 Units)	1,840 (*)	All restored (July)
Emergency installation of facilities	Emergency installed facilities this summer: 7 locations Anegasaki, Yokosuka, Sodegaura, Kawasaki, Hitachinaka, Oi, Chiba Chiba 3-2T and Oi 2GT's COD was changed to Sep All emergency installed facilities achieved COD on Sep 22	1,290	Total capacity of emergency installed facilities: 1,710 MW
Resumption of mothballed thermal power plants	Yokosuka: 4 Units (3T, 4T, 1GT, 2GT)	870	All resumed operation (July)
Utilization of in-house generators	Additional purchase after the earthquake	1,100 (*)	Total of in-house generators: approx 1,600 MW
Total		<b>19,300</b>	

(\*) as for other companies' generating capacities, figures indicate our portion.

<Reference> electricity supply record to Tohoku Electric Power Company (August)



From Hokkaido: Hokkaido Electric and Tohoku Electric has a supply contract for 300MW via Hokkaido - Honshu interconnection power system

From other region: Emergency power supply between electricity companies to maintain overall supply and demand balance in response to supply-demand imbalance due to power source accident and sudden increase of demand.