

Summary of Press Conference Comments Made by Satoru Katsuno, FEPC Chairman  
on September 14, 2018

I am Satoru Katsuno, Chairman of the Federation of Electric Power Companies.

Today I would like to address our responses to natural disasters that have wreaked havoc on the Japanese islands such as “Typhoon Jebi (21<sup>st</sup> typhoon of the season)” and the “2018 Hokkaido Eastern Iburi Earthquake”.

“Typhoon Jebi” traveled upward the Japanese islands earlier this month, with the heavy rainstorm causing damage to many areas.

Then, on September 6, 3:07 AM, the “2018 Hokkaido Eastern Iburi Earthquake” occurred with a maximum seismic intensity of 7 occurred in Atsuma-cho, Hokkaido.

I offer my heartfelt condolences for those who lost their lives in the typhoon and earthquake and express my deepest sympathies to the bereaved families and those who were affected.

I deeply apologize for all the immense trouble and inconvenience that the long-term power outage has caused our customers.

<2018 Hokkaido Eastern Iburi Earthquake>

In this wake of this earthquake, the Tomatoatsuma Power Station of Hokkaido EPC went into emergency shutdown and all power sources in the Hokkaido area were ultimately shutdown. As a result, approximately 2.95 million households across Hokkaido experienced power outages.

Hokkaido EPC has been making an all-out effort with group companies immediately following the disaster to restart operations of power stations shutdown in the earthquake, secure additional supply capability and recover damaged power transmission and distribution facilities.

Japan's eight utilities (Tohoku, Tokyo, Chubu, Hokuriku, Shikoku, Chugoku, Kyushu, Okinawa) have been sending support vehicles and personnel in succession from the day of the earthquake per Hokkaido EPC request. They have been working on supplying electricity in various places around Hokkaido.

These utilities have dispatched a total of 154 high voltage generation vehicles, 221 other vehicles, such high elevation work vehicles and tankers, and 1,232 personnel as of yesterday, and are continuing to cooperate with Hokkaido EPC to provide electricity supply to Hokkaido customers.

Additionally, starting on September 7, Honshu will be continuously providing a maximum of 600,000 kW in support power interchange, fully utilizing the Hokkaido-Honshu HVDC Link that connects Hokkaido and Honshu. This, along with our Hokkaido customers' efforts to reduce power consumption, has enabled Hokkaido EPC to somehow reach power demand and supply balance and restore power across Hokkaido excepting areas that are hard to reach because of landslides and such.

Recovery of the Tomatoatsuma Power Station that shutdown due to the earthquake is projected to require more time (Unit 1: End of September onwards, Unit 2: Mid-October onwards, Unit 4: November onwards). Electricity demand and supply is assumed to be tight in the days ahead in the Hokkaido area where electricity is being transmitted with limited supply capacity.

With this outlook, Hokkaido EPC will continue to go all out for the stable operation of currently operating power plants and to secure additional supply capacity. The electrical utility industry as a whole will also work together with utilities across the country, continuing to provide support to avoid additional power outages and planned outages.

I apologize to our customers in Hokkaido for the considerable inconvenience and ask for their continued cooperation in power saving.

<Damages from “Typhoon Jebi”>

At the start of this month, “Typhoon Jebi” moved up north through Japan, with the rainstorm causing great damage to electricity facilities around the Kinki/Tokai regions, leading to power outages in various areas.

Utilities did their utmost to restore electricity starting immediately after the outage. Five utility companies (Tokyo, Hokuriku, Chugoku, Shikoku, Kyushu) sent support vehicles and personnel in succession per request of Kansai EPC, where damages were especially severe, and are working for the early restoration of power supply.

Kansai EPC strives to supply electricity to all customers who require power especially with the upcoming weekend by reducing the number of sites without power and providing portable power generators to customers who need them, along with the above efforts.

“Stable supply of electricity” continues to be the greatest mission for utility companies.

Utilities will continue to cooperate in doing our all to provide electricity to customers in a stable manner.

<Preliminary figures for CO2 emissions in FY2017>

Finally, let me talk about preliminary CO2 emissions figures for FY2017.

The Electric Power Council for a Low Carbon Society put together the preliminary figures for CO2 emissions in FY2017 in its efforts to achieve the goals raised in the Low Carbon Society Action Plan.

According to Council calculations, 411 million tons of CO2 was emitted for FY2017 and the CO2 emission factor for Council members was 0.496kg per kWh. This is a reduction of approx. 4.4% for CO2 emissions and approx. 3.9% in emission factor compared to last year.

This is the first time in five years that the CO2 emission factor for Council-member

utilities and power producers and suppliers (PPSs) has fallen below 0.5kg for 1kWh.

I think this is due to the fact that, in addition to the increase in nuclear power output from restarted plants, member utilities have been running PDCA cycles for their initiatives with a sense of responsibility: using renewable energy such as solar power, wind, and hydraulic power generation and working to improve thermal efficiency by introducing the latest high-efficiency thermal power generation facilities.

This will conclude my segment today.

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