

**Session Title: Private Sector's Responsibility for Achieving Carbon Neutrality**

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**Abstract title: The challenge of achieving "JERA Zero CO<sub>2</sub> Emissions 2050"**

JERA, as the largest power generation company in Japan, and as a global energy company, will take on the challenge of decarbonization by 2050, especially to decarbonize fuels, using ammonia and hydrogen, starting from low level at the beginning to reach 100% CO<sub>2</sub> free thermal power generation, step by step. JERA plans demonstration of 20% ammonia generation at commercial scale of 1GW in 2024 with some modification works.

JERA's approach could be appropriate for the situation of each country, especially Asian countries.