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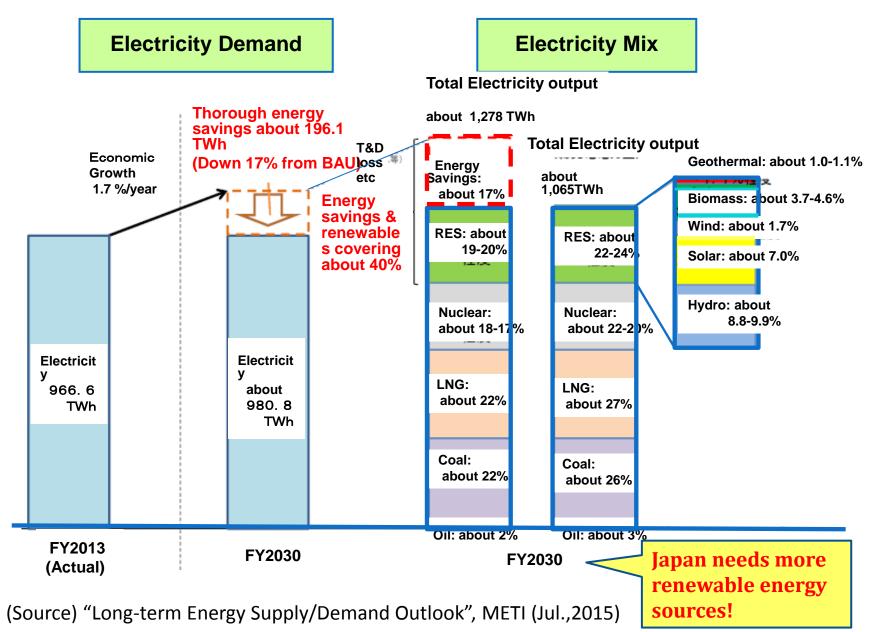
## The Great East Japan Earthquake

#### Growing Interest in Resilient Energy Infrastructure

- Many thermal power plants, as well as nuclear power plants, were damaged by Tsunami, and severe electricity shortage occurred in 2011.
- Resilient Energy Infrastructure is one of the main concerns in energy policy discussion.

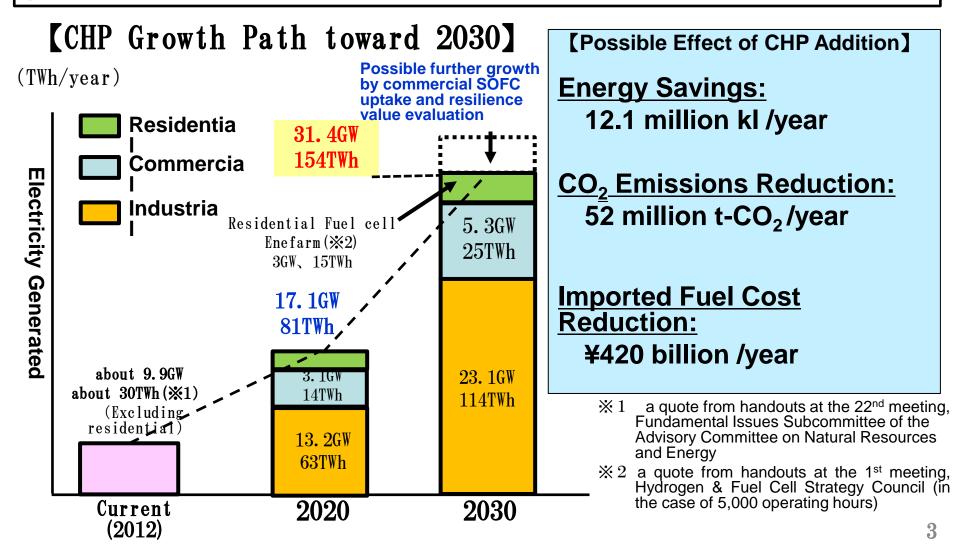


# Electricity Mix for 2030 in Japan

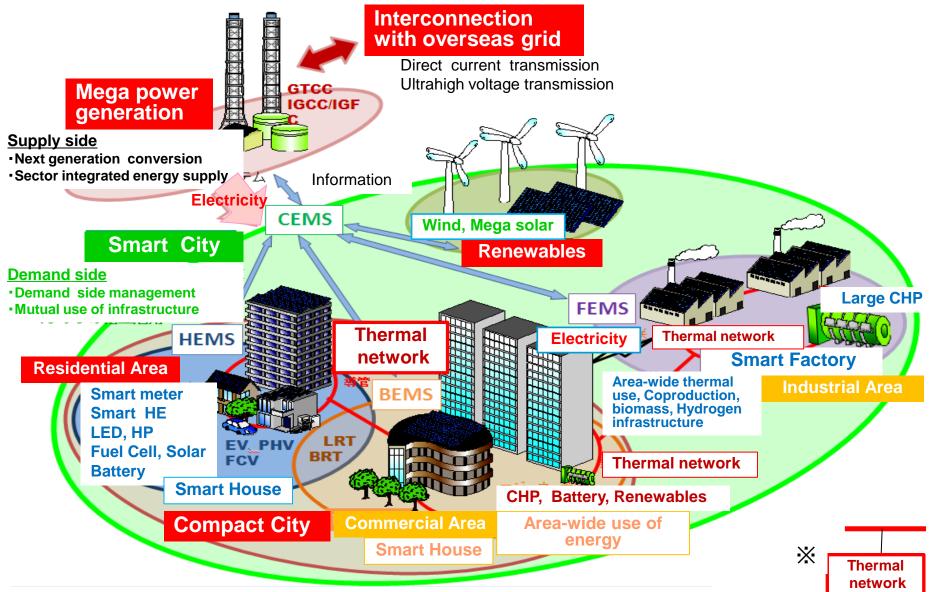


### Estimated CHP Economic Potential for 2030

Cumulative CHP Capacity: about **31.4GW** (including residential sector) Electricity Generation by CHP: about **154TWh(**about **15% of total** generation)



#### **Smart Energy Network Concept**



### Asian Super Grid Concept (example)



(Source) "Gobitec and Asian Super Grid for Renewable Energies in Northeast Asia" (2014)