

Electricity Outlook in Japan after Fukushima

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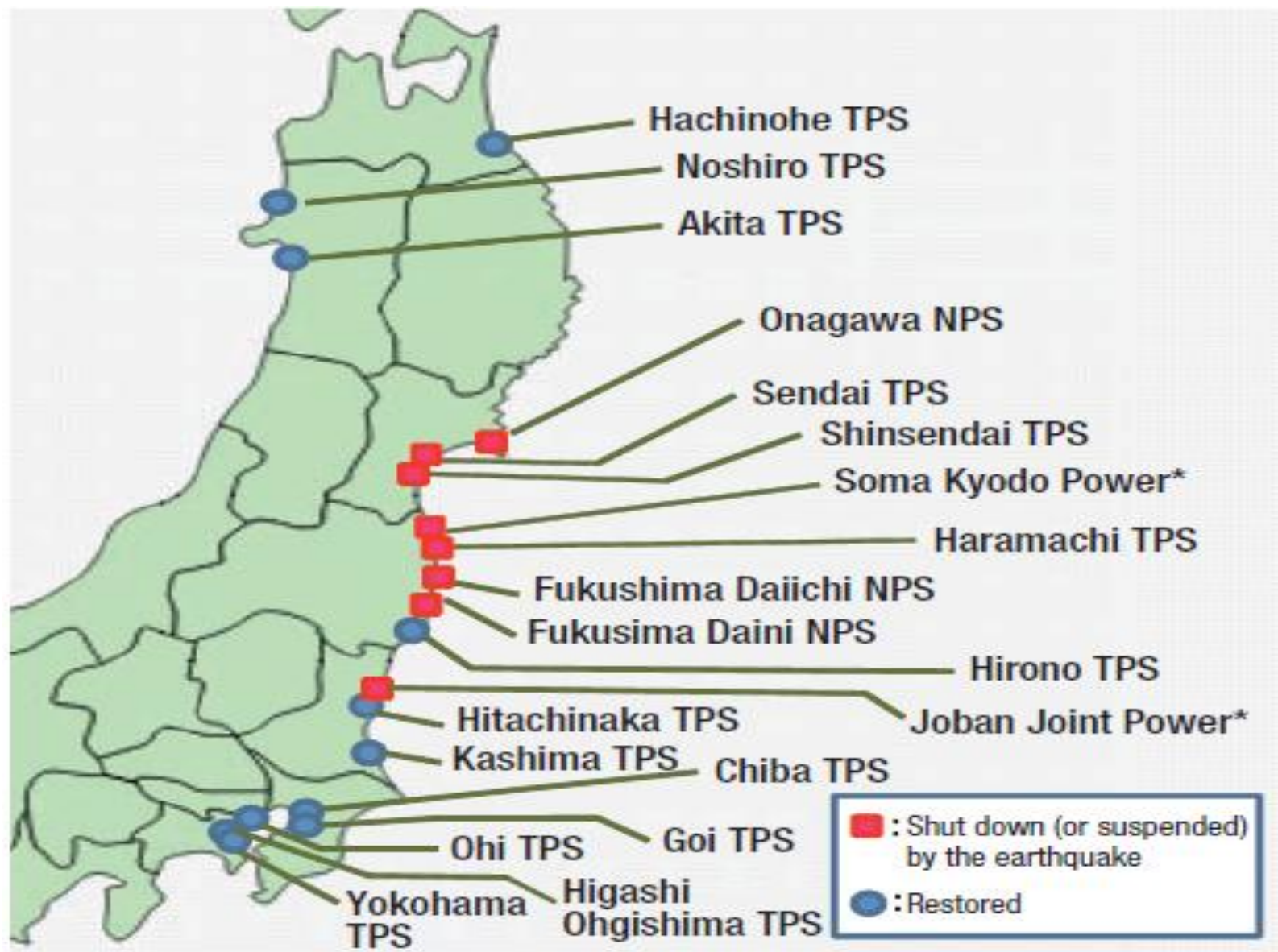
Japan Electric Power Inf. Ctr. (JEPIC)

Expert Working Group Meeting

on Energy and Environment

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Note: * thermal power station (TPS) by joint consortium





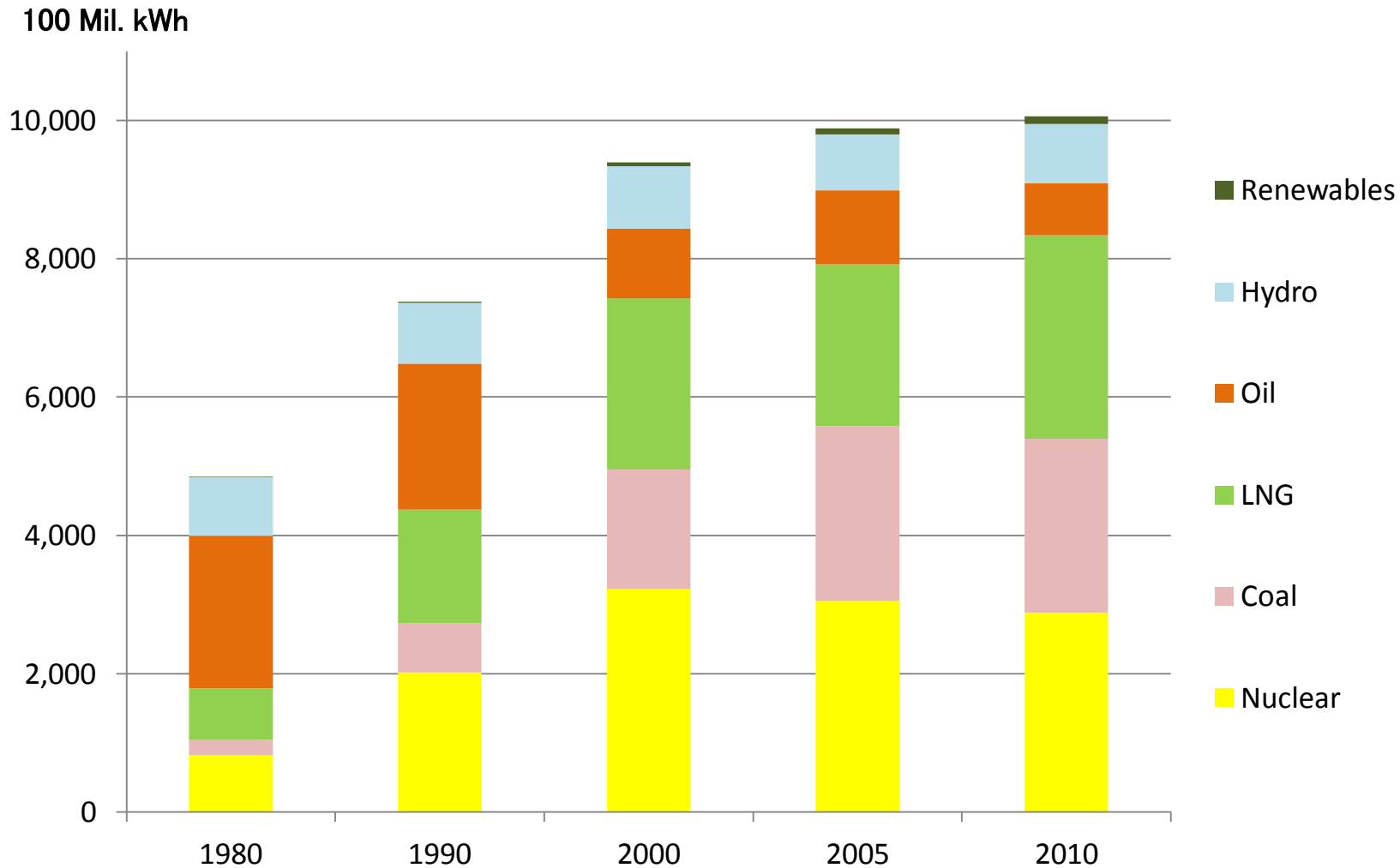




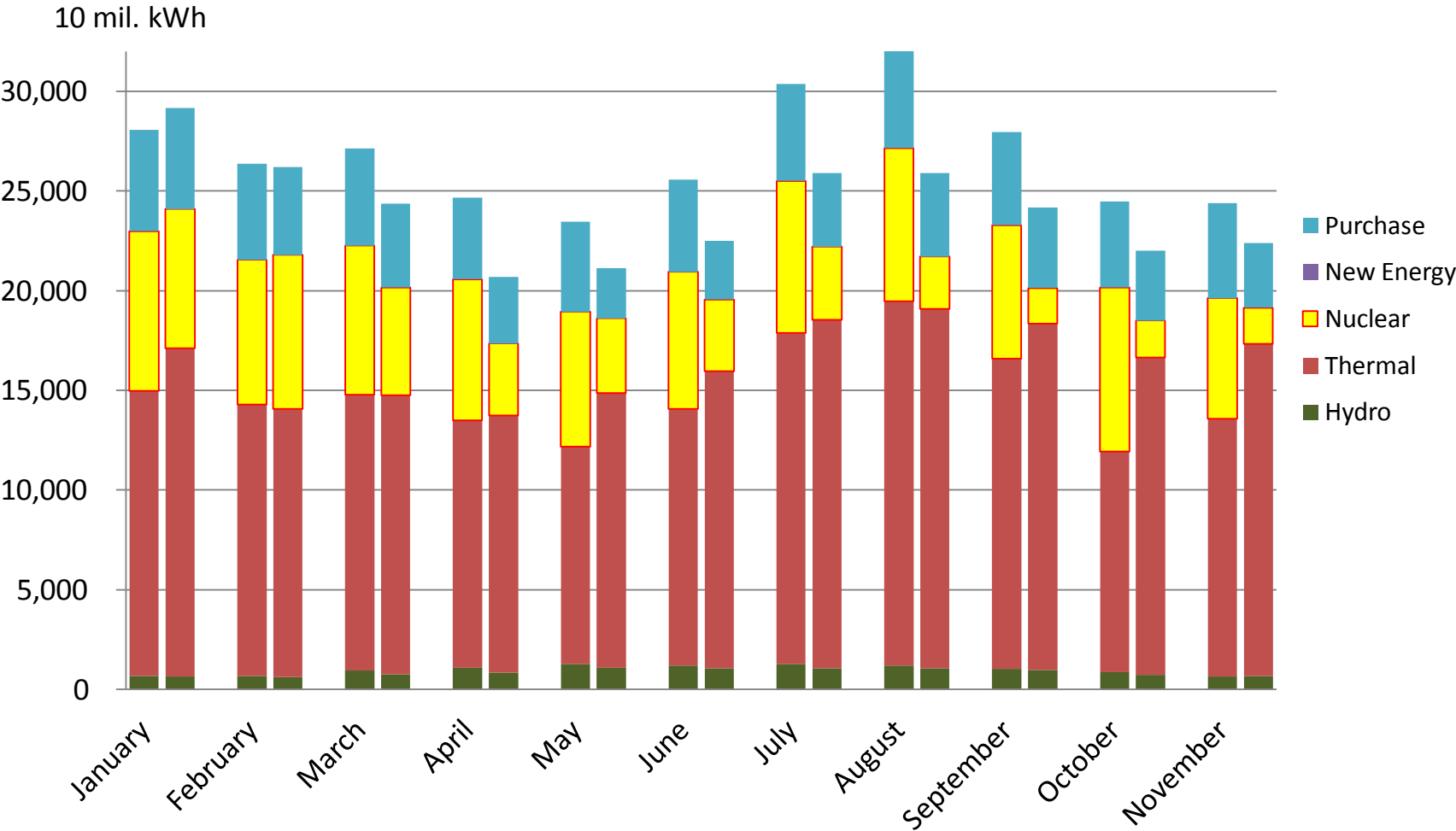




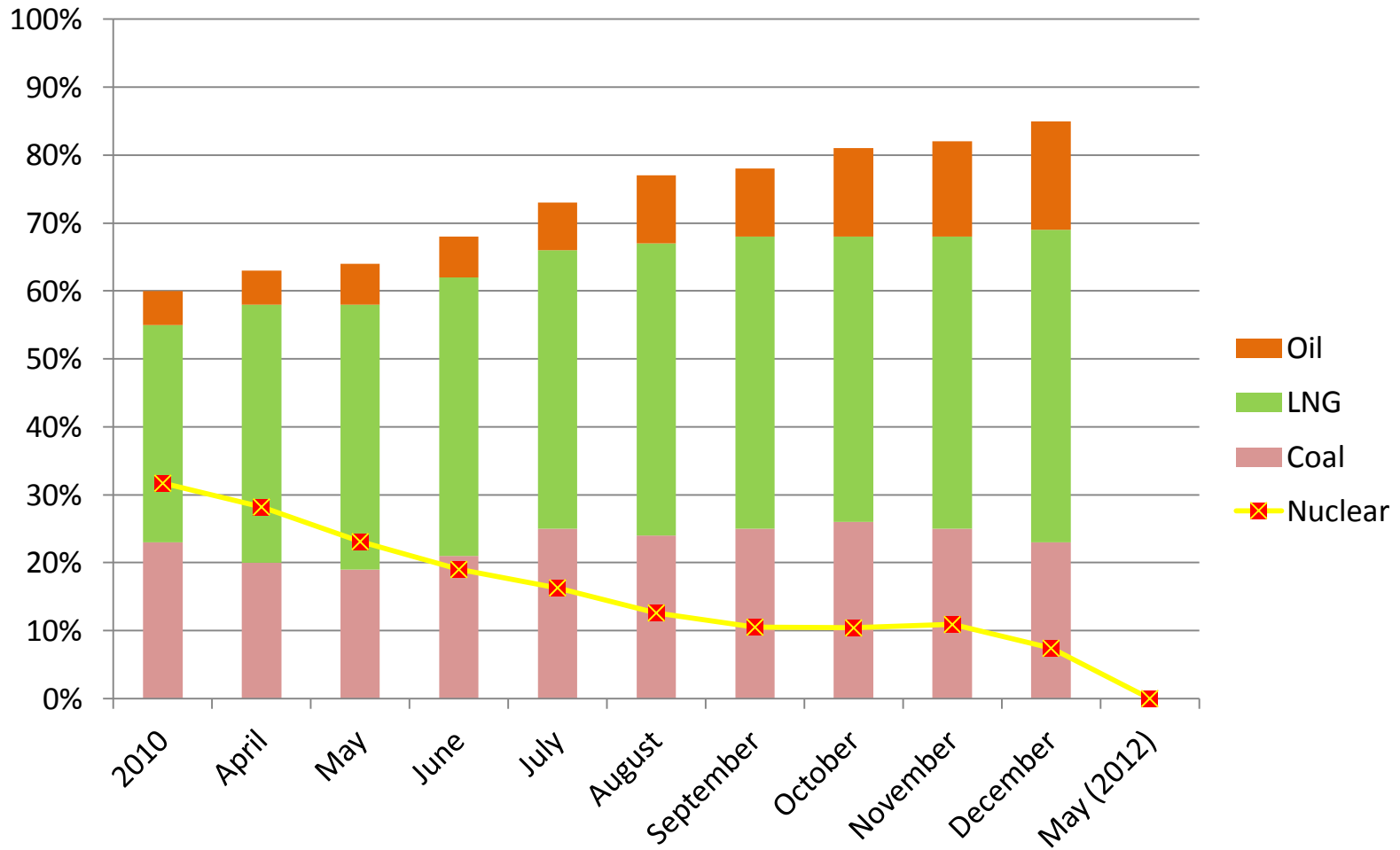
Electricity Generation Mix by Source (1980-2010)



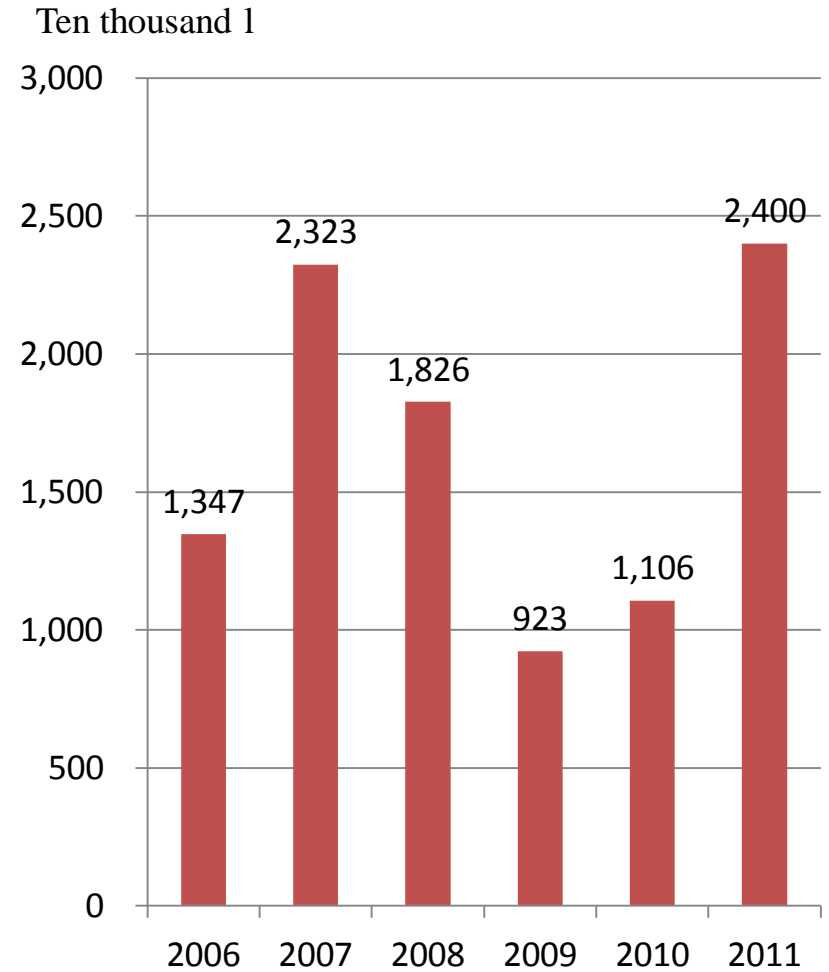
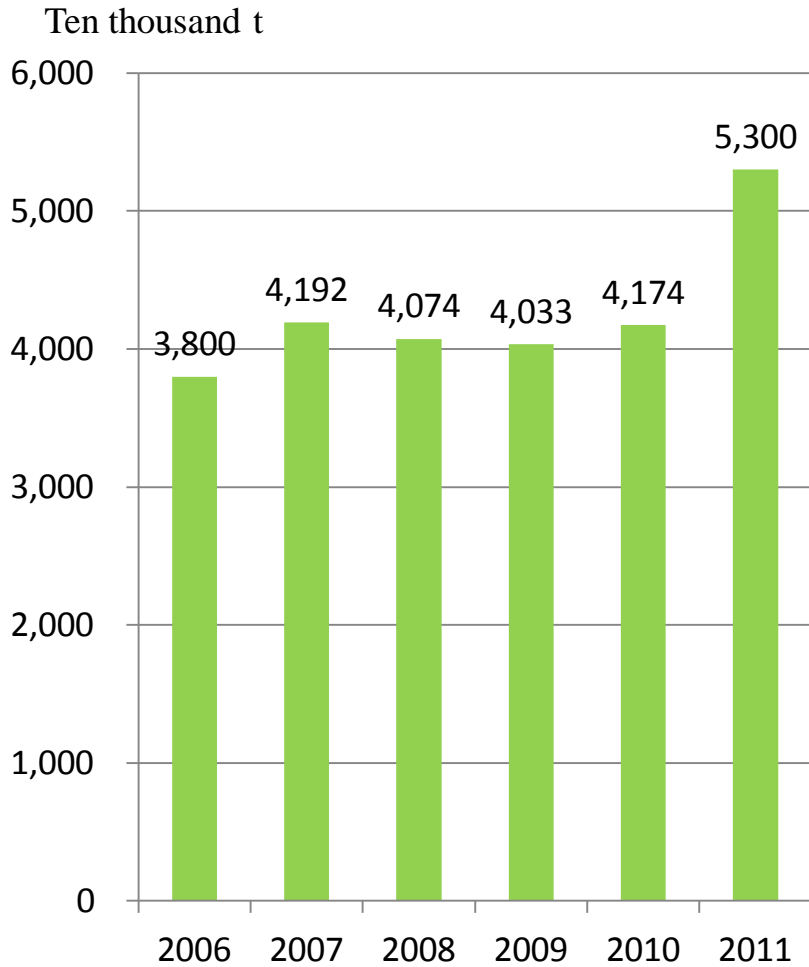
TEPCO's Supply Mix in 2010 and 2011



Thermal Power Generation in 2011

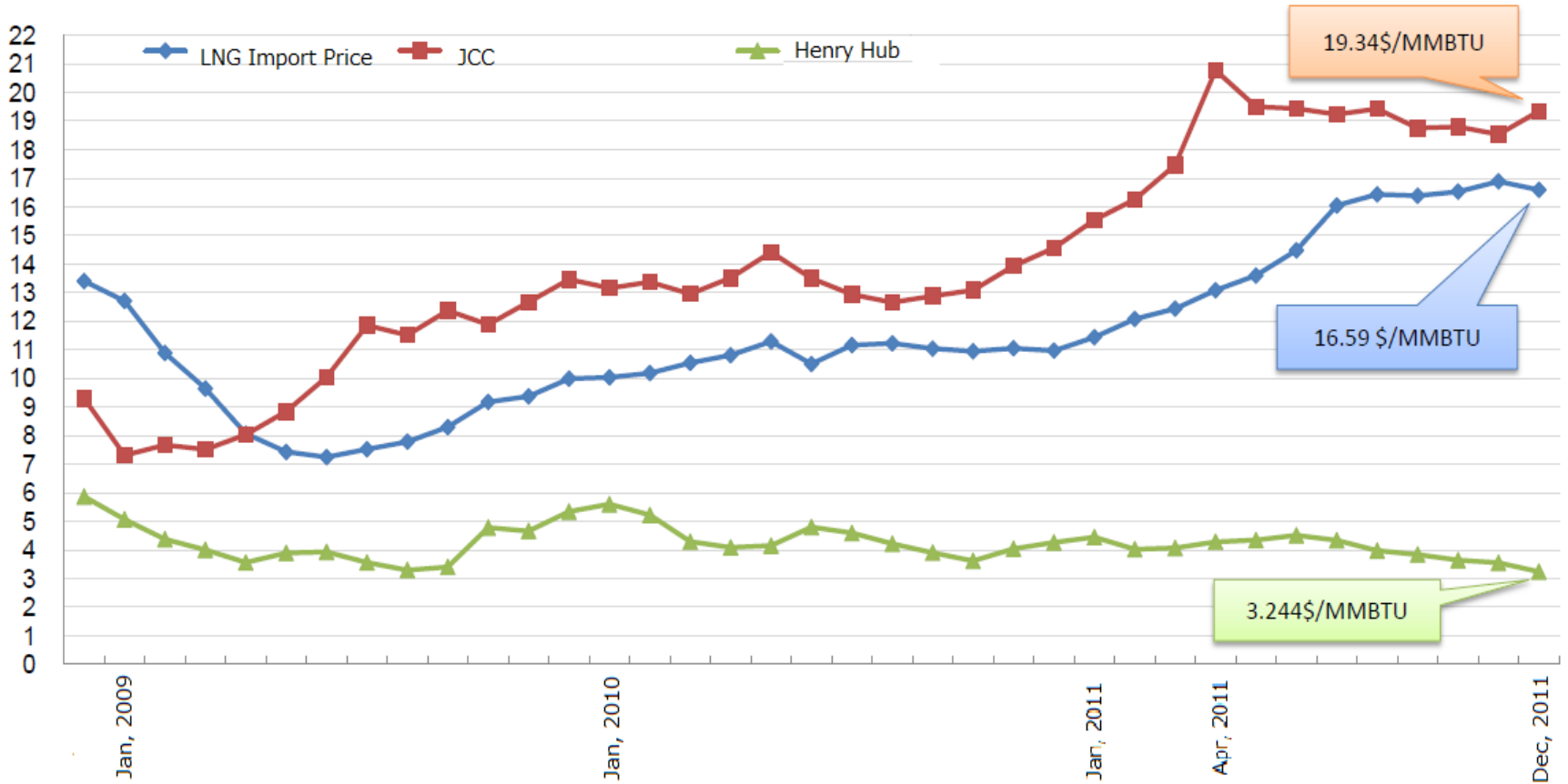


LNG and Oil Purchases

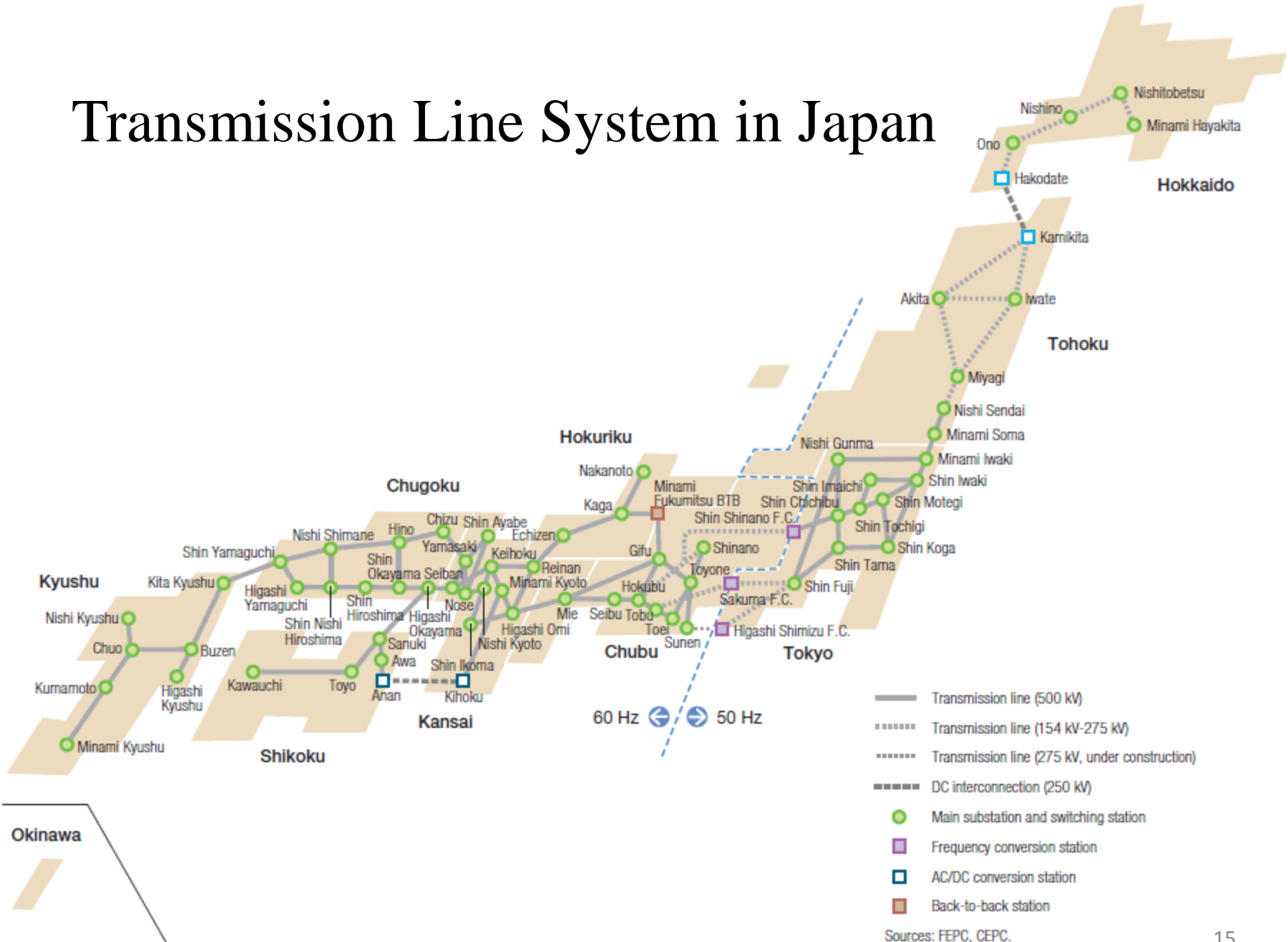


Note: 2011 data is estimate.

Imported Gas Price

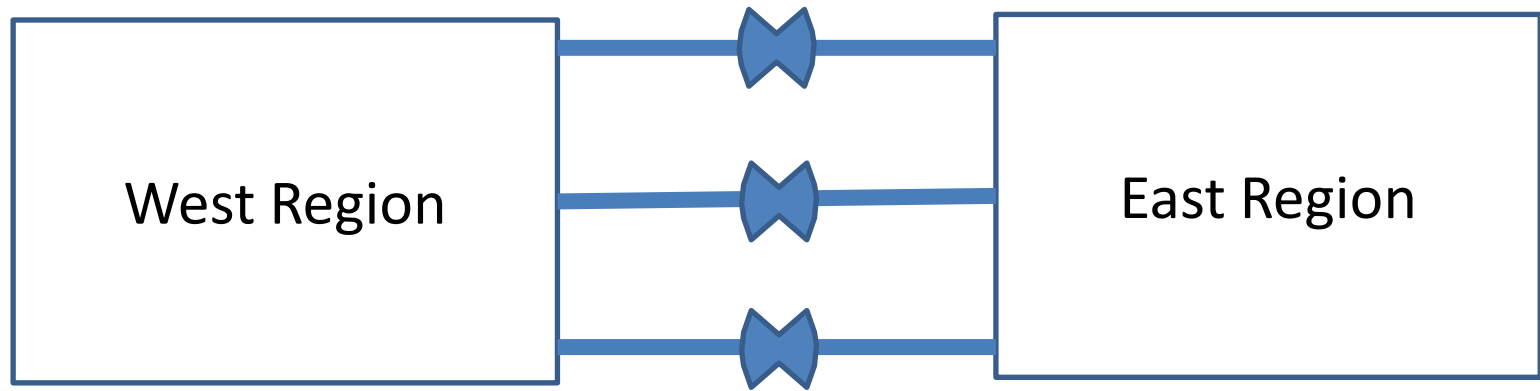


Transmission Line System in Japan



Sources: FEPC, CEPC.

Frequency Conversion Stations



Conversion Capacity : 1,003.5MW



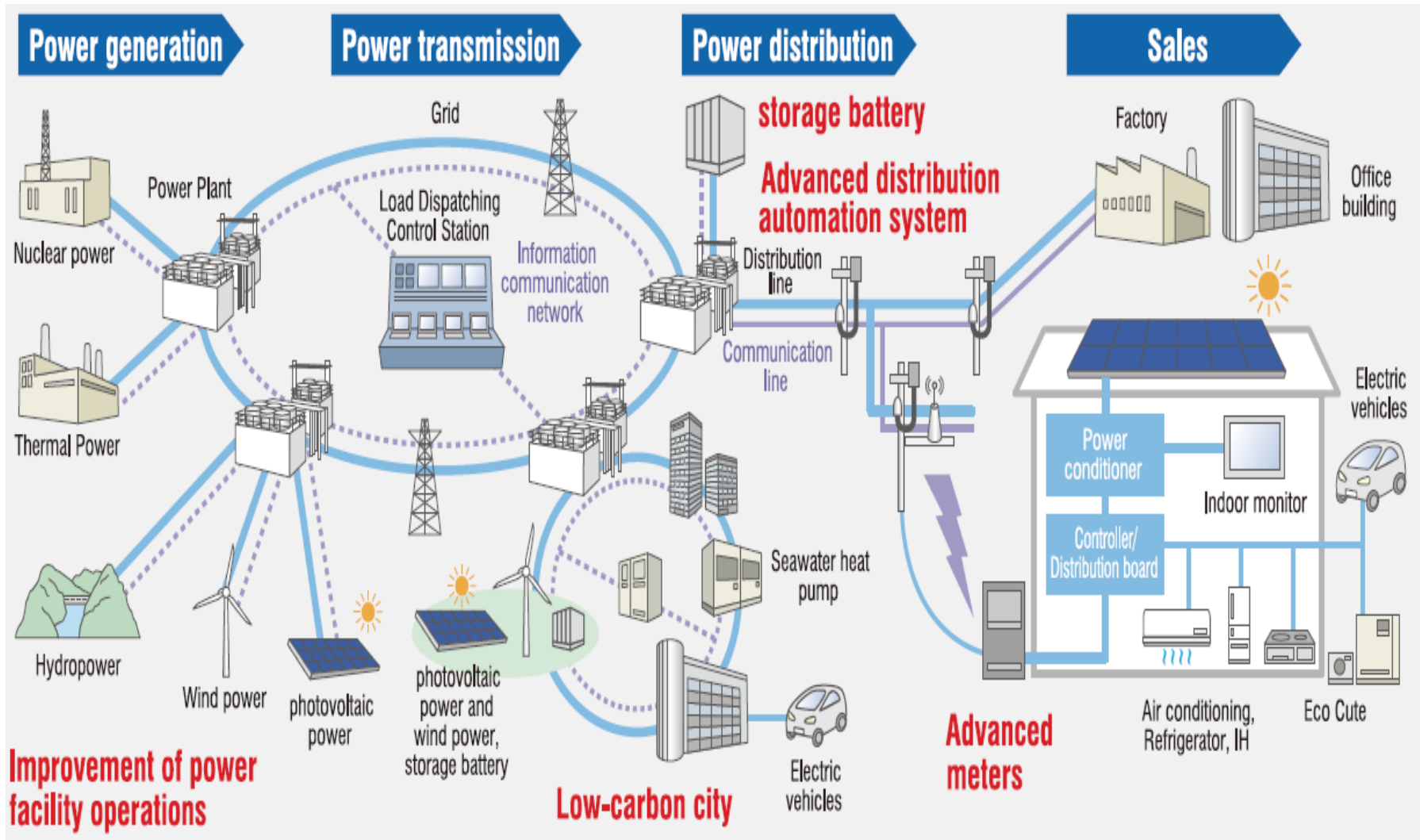
Frequency Conversion Station

Costs for Hz Unification

Cost Item	Trillion Yen (bil. \$)
Generator • Turbine	8.1
Transformer	1.9
Total	10.0 (125)

Note: unifying 50 HZ region into 60 HZ region

Smart Power System



Diffusion of Smart Meters

Company	No. of Customers (1,000)	Installed No. of Smart Meter	Goal in 2017
Hokkaido	3,972	125	60%
Tohoku	7,405	700	60%
Tokyo	28,713	1,200	80%
Chubu	10,463	1,500	80%
Hokuriku	2,088	500	70%
Kansai	13,479	1,140,000	80%
Chugoku	5,199	*	60%
Shikoku	2,841	*	60%
Kyushu	8,477	180,000	60%

* installing from 2012

