



**Asia-Pacific  
Economic Cooperation**

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**2017/EWG54/005**

Agenda Item: 5a

## **Notable Energy Developments - Japan**

Purpose: Information

Submitted by: Japan



**54<sup>th</sup> Energy Working Group Meeting  
Wellington, New Zealand  
22-23 November 2017**

# **Notable Energy Development (METI, Japan)**

**Agency for Natural Resources and Energy  
Ministry of Economy, Trade and Industry (METI), Japan**

# The 6<sup>th</sup> LNG Producer Consumer Conference

- LNG Producer Consumer Conference is held every year from 2012 as a platform to exchange ideas and enhance cooperation among producers, consumers and all the key stakeholders.
- The 6<sup>th</sup> Conference held on October 18<sup>th</sup> in 2017 focused on the following key themes:
  - i) producer-consumer cooperation towards developing LNG market in Asia;
  - ii) New LNG opportunities driven by innovation
  - iii) LNG as transport fuel
  - iv) Flexible LNG market and spot trading
- Mr. Hiroshige Seko, Minister of Economy, Trade & Industry announced that Japan will contribute to expanding the LNG market in Asia, by delivering two contributions: financing and human resources development.
- The 7<sup>th</sup> LNG Producer Consumer Conference will be held in Nagoya in 2018.

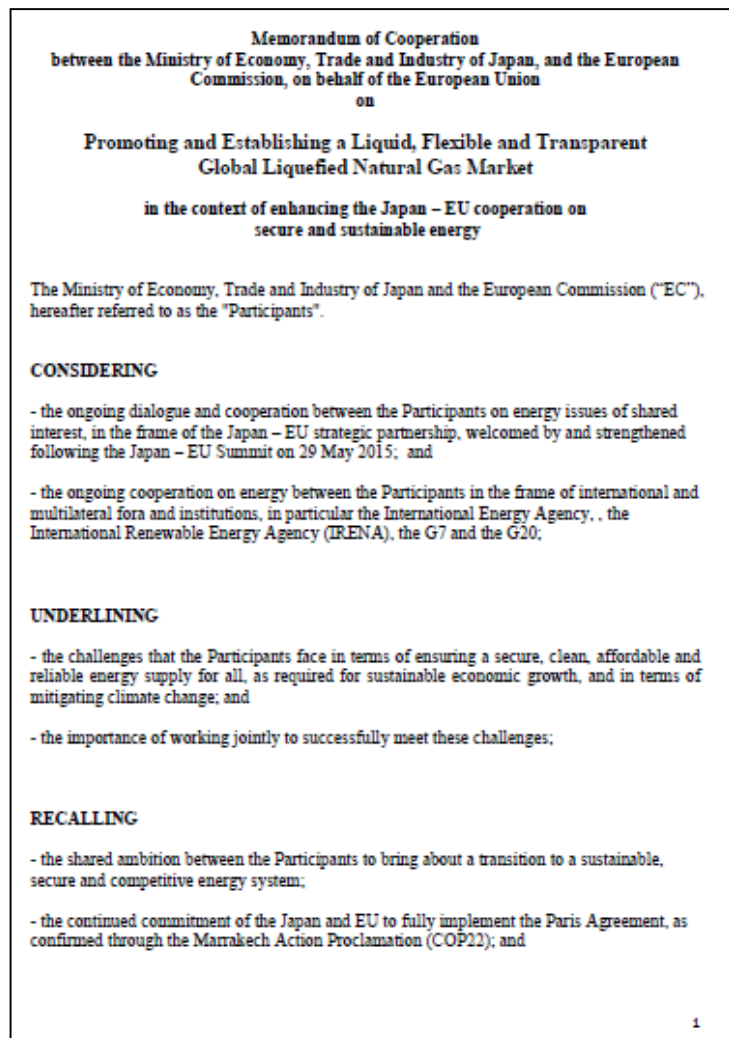
## The 6<sup>th</sup> LNG Producer Consumer Conference 2017

- ✓ Held on October 18<sup>th</sup> 2017, Tokyo
- ✓ Hosted by Ministry of Economy, Trade & Industry (METI) and Asia Pacific Energy Research Centre (APERC)
- ✓ Participated by over 1,200 people from 32 countries and regions
- ✓ Key speakers include:
  - Hiroshige Seko, Minister of Economy, Trade & Industry, Japan
  - Ministers and senior representatives from Qatar, Brunei, India, Indonesia, Korea, Malaysia, Mozambique, Myanmar, Papua New Guinea, Philippines, Thailand, United States and Viet Nam
  - International organizations (IEA and ERIA)
  - Business executives, including BP, Cheniere Energy, GAIL, Höegh LNG, JERA, Mitsubishi Heavy Industries, Petronas, PTT, Petrobangla, Platts, Shell, TOCOM, Tokyo Gas, Total
  - Research institutes: Institute for Energy Economics, Japan Oxford Institute for Energy Studies, Baker Institute for Public Policy

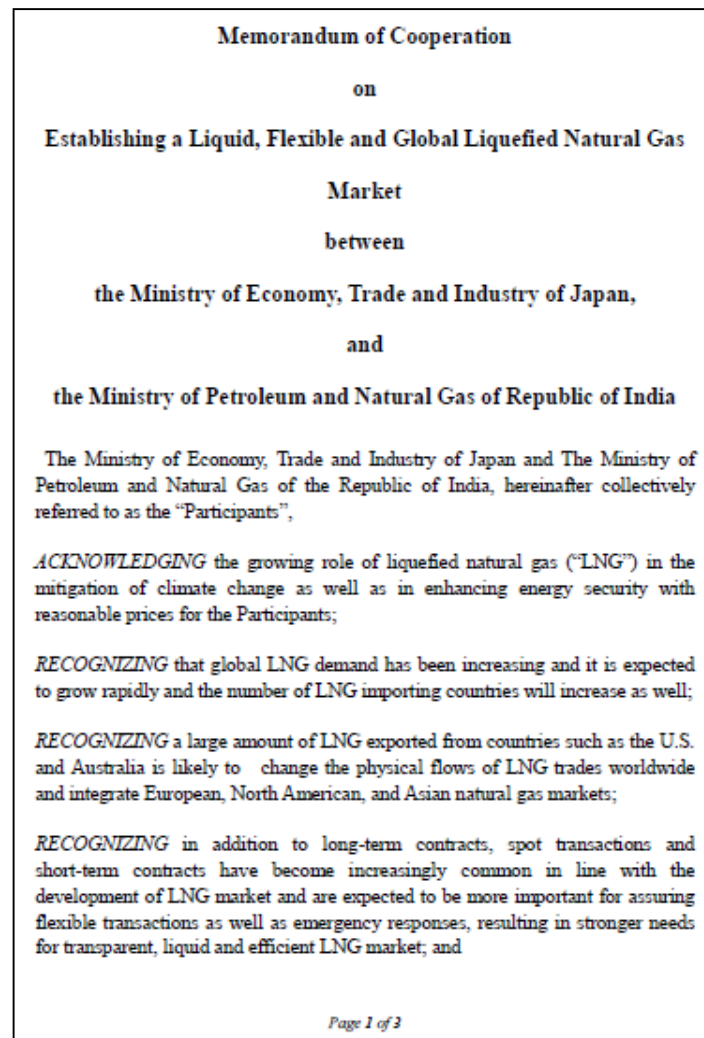


# Memorandums of Cooperation on LNG market

METI and the European Commission signed on July 11




METI and India signed on October 18




METI and the European Commission Signed a Memorandum of Cooperation on Promoting and Establishing a Liquid, Flexible and Transparent Global Liquefied Natural Gas Market  
[www.meti.go.jp/english/press/2017/0712\\_001.html](http://www.meti.go.jp/english/press/2017/0712_001.html)

Japan and India Signed a Memorandum of Cooperation on Establishing a Liquid, Flexible and Global Liquefied Natural Gas Market  
[http://www.meti.go.jp/english/press/2017/1018\\_002.html](http://www.meti.go.jp/english/press/2017/1018_002.html)

# Nuclear Power Plant in Japan

**In Operation**  
**5** reactors 

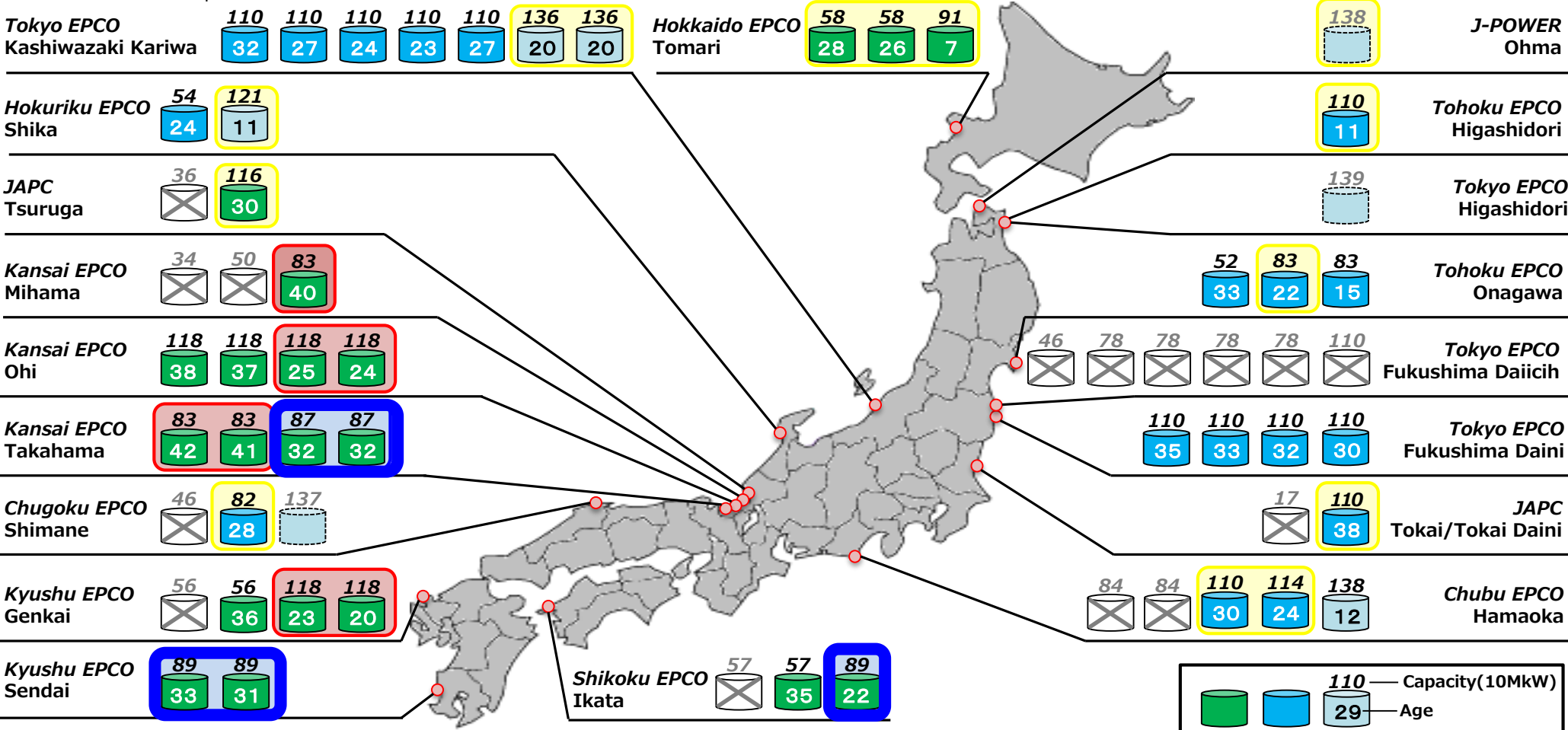
**Passed NRA Review**  
 for the Permission for Changes  
 in Reactor Installation  
**7** reactors 




**Under NRA Review**  
**14** reactors 

**already decided to Decommission**  
**15** reactors 

\*Sendai Unit .3: Stop by the periodic inspection in Oct.2017

As of 4<sup>th</sup>, Oct, 2017

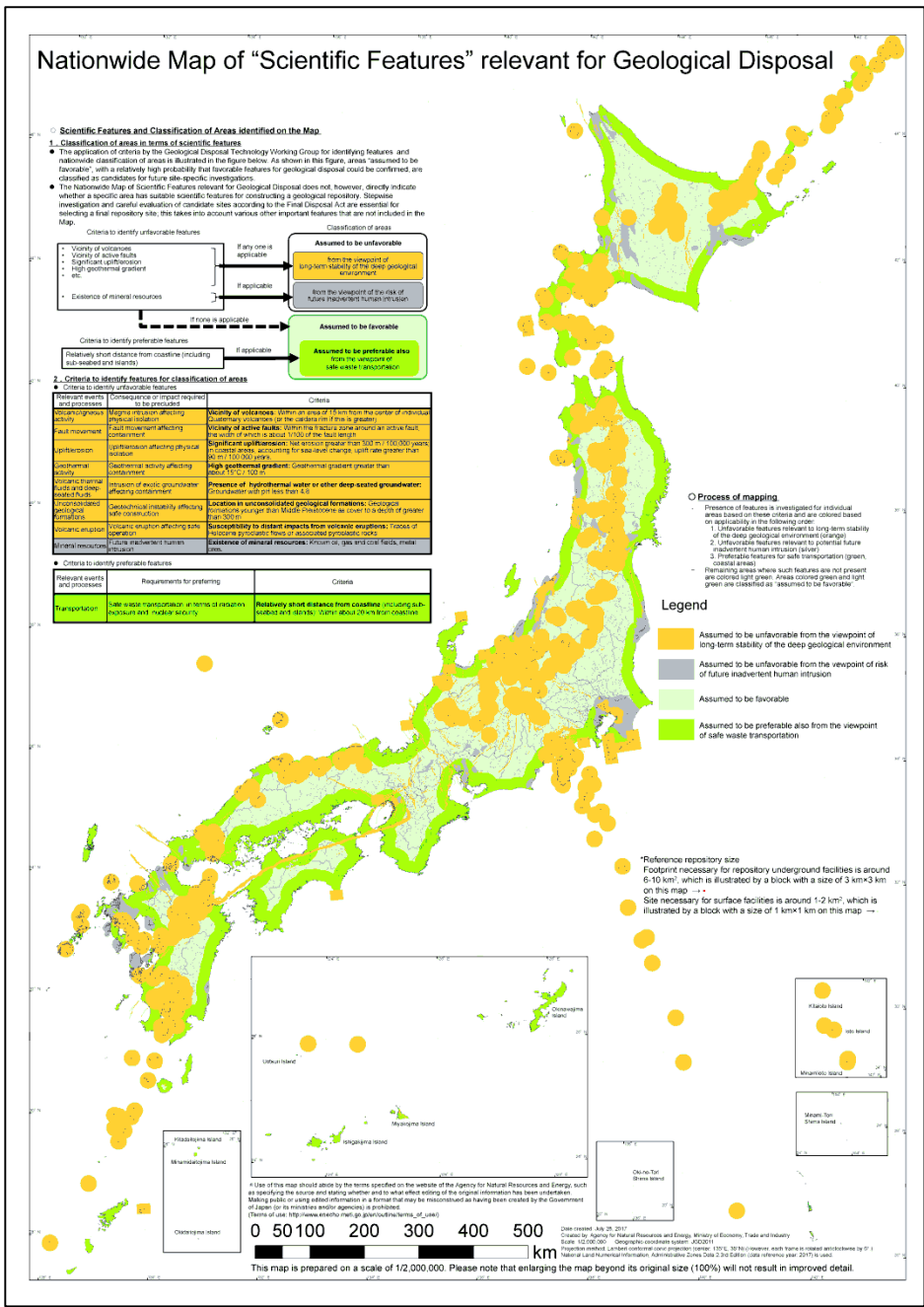


 PWR  
 BWR  
 ABWR  
 110 — Capacity(10MkW)  
 29 — Age



# Nationwide Map of Scientific Features

for Geological Disposal of High-Level Radioactive Waste



Publication of Nationwide Map of Scientific Features

## Deepen national and regional comprehension

### Nationwide explanatory meetings using the map



Listening to public voices

- Prioritized activities focusing on "green (coastal area)"
- Supporting regional deliberation
- Promotion of R&D
- International cooperation & contribution

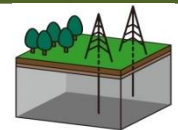
With the aim that multiple municipalities will accept site investigations

## Site investigations

Conducted by NUMO based on regional comprehension



Literature survey



Preliminary investigation (borehole survey, etc.)



Detailed investigation (construction & studies in underground facilities)

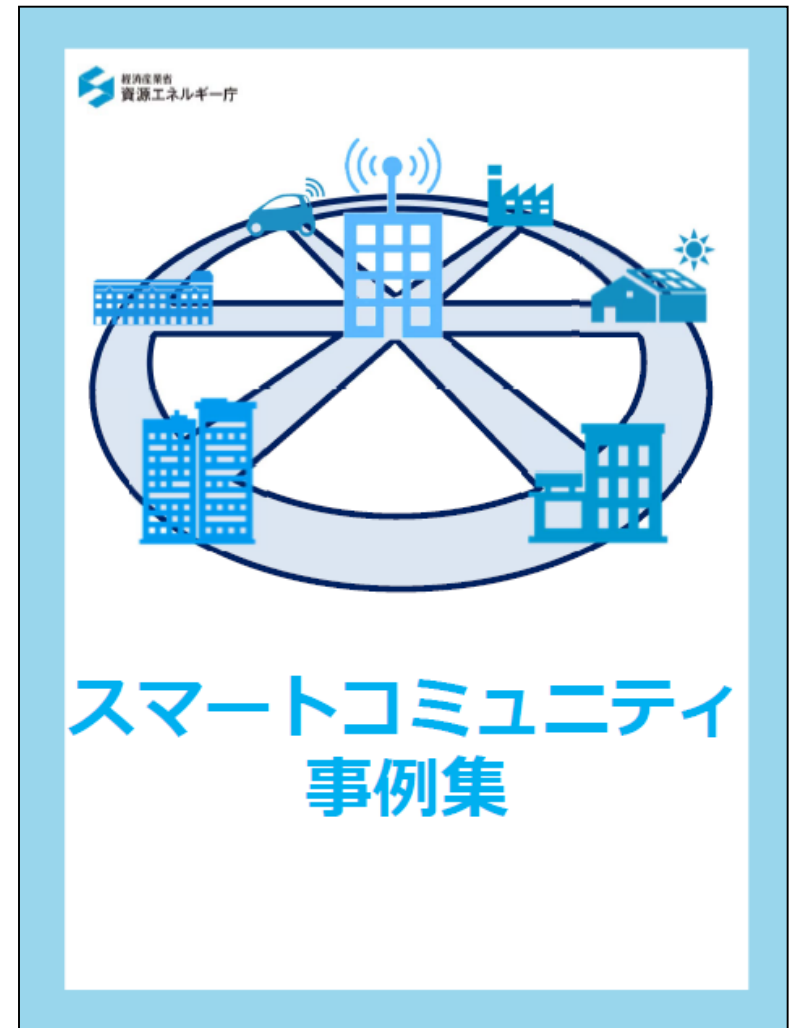
## Selection of final disposal site

# Publications

## Japan's Energy White Paper 2017



## Smart Community Case Studies



Japan's Energy White Paper 2017 (brochure)

[http://www.enecho.meti.go.jp/en/category/whitepaper/pdf/whitepaper\\_2017.pdf](http://www.enecho.meti.go.jp/en/category/whitepaper/pdf/whitepaper_2017.pdf)

Collection of Case Examples Concerning Smart Communities Compiled - Efforts for optimizing energy utilization to be advanced

[http://www.meti.go.jp/english/press/2017/0623\\_002.html](http://www.meti.go.jp/english/press/2017/0623_002.html)

**Thank you for your kind attention!!**