

2017/EWG54/005 Agenda Item: 5a

Notable Energy Developments - Japan

Purpose: Information Submitted by: Japan



54th 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 6th 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 6th Conference held on October 18th 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 7th LNG Producer Consumer Conference will be held in Nagoya in 2018.

The 6th LNG Producer Consumer Conference 2017

- ✓ Held on October 18th 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

Memorandum of Cooperation between the Ministry of Economy, Trade and Industry of Japan, and the European Commission, on behalf of the European Union Promoting and Establishing a Liquid, Flexible and Transparent Global Liquefied Natural Gas Market in the context of enhancing the Japan - EU cooperation on secure and sustainable energy The Ministry of Economy, Trade and Industry of Japan and the European Commission ("EC"), hereafter referred to as the "Participants". CONSIDERING - the ongoing dialogue and cooperation between the Participants on energy issues of shared interest, in the frame of the Japan - EU strategic partnership, welcomed by and strengthened following the Japan - EU Summit on 29 May 2015; and - the ongoing cooperation on energy between the Participants in the frame of international and multilateral fora and institutions, in particular the International Energy Agency, , the International Renewable Energy Agency (IRENA), the G7 and the G20; UNDERLINING - the challenges that the Participants face in terms of ensuring a secure, clean, affordable and reliable energy supply for all, as required for sustainable economic growth, and in terms of mitigating climate change; and - the importance of working jointly to successfully meet these challenges; RECALLING - the shared ambition between the Participants to bring about a transition to a sustainable. secure and competitive energy system; - the continued commitment of the Japan and EU to fully implement the Paris Agreement, as confirmed through the Marrakech Action Proclamation (COP22); and 1

METI and India signed on October 18

Memorandum of Cooperation

on

Establishing a Liquid, Flexible and Global Liquefied Natural Gas

Market

between

the Ministry of Economy, Trade and Industry of Japan,

and

the Ministry of Petroleum and Natural Gas of Republic of India

The Ministry of Economy, Trade and Industry of Japan and The Ministry of Petroleum and Natural Gas of the Republic of India, hereinafter collectively referred to as the "Participants",

ACKNOWLEDGING the growing role of liquefied natural gas ("LNG") in the mitigation of climate change as well as in enhancing energy security with reasonable prices for the Participants;

RECOGNIZING that global LNG demand has been increasing and it is expected to grow rapidly and the number of LNG importing countries will increase as well;

RECOGNIZING a large amount of LNG exported from countries such as the U.S. and Australia is likely to change the physical flows of LNG trades worldwide and integrate European, North American, and Asian natural gas markets;

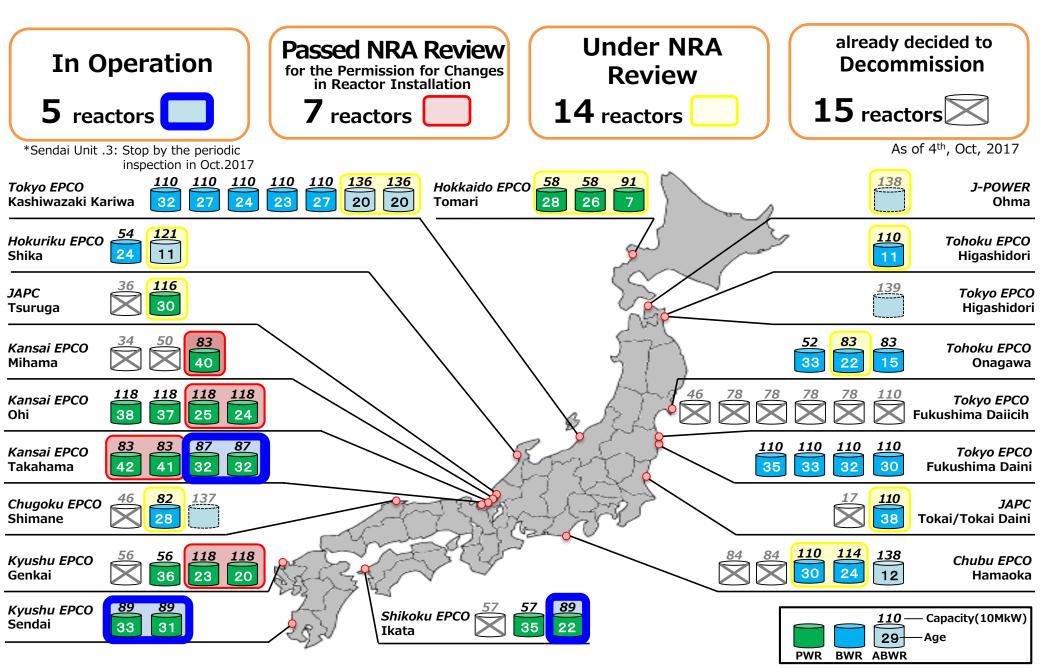
RECOGNIZING in addition to long-term contracts, spot transactions and short-term contracts have become increasingly common in line with the development of LNG market and are expected to be more important for assuring flexible transactions as well as emergency responses, resulting in stronger needs for transparent, liquid and efficient LNG market; and

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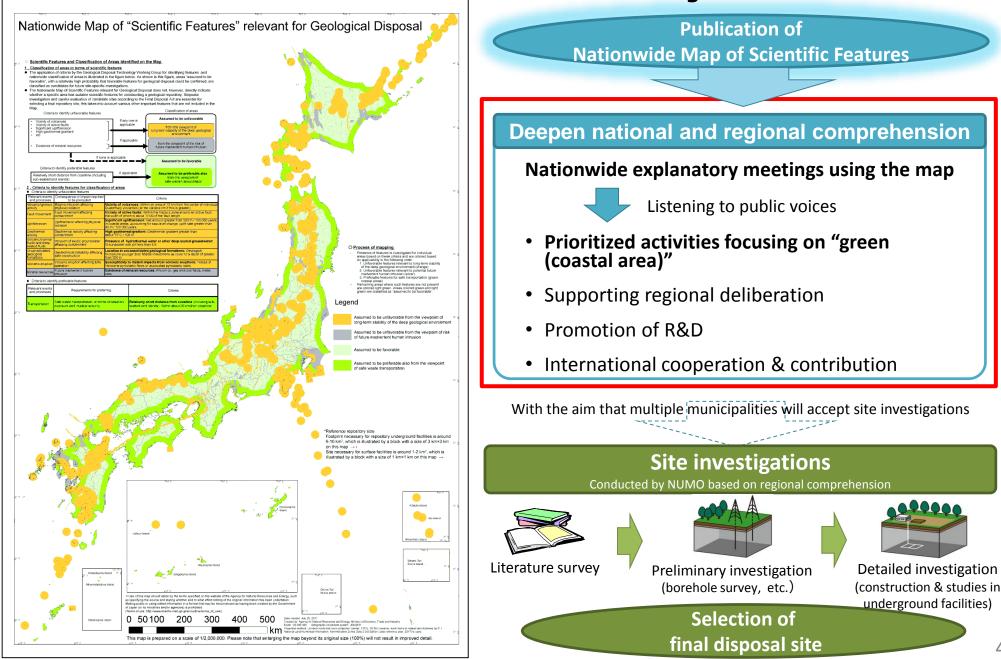
METI and the European Commission Signed a Memorandum of Cooperation on Promoting and Establishing a Liquid, Flexible and Transparent Global Liquefied Natural Gas Market www.meti.go.jp/english/press/2017/0712_001.html

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

Nuclear Power Plant in Japan



Nationalwide Map of Scientific Features for Geological Disposal of High-Level Radioactive Waste



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

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

Thank you for your kind attention!!