

Overview of APERC Energy Security Research

Energy Security Workshop (online)
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Introduction

- **APEC Oil & Gas Security Initiative (OGSI)** was approved as an APEC self-funded project in EWG 48 in November 2014 in Port Moresby, Papua New Guinea.
- **APEC Energy Ministers endorsed OGSI** in the 12th EMM in October 2015 in Cebu, the Philippines.
- **OGSI consists of three pillars:**
 - **Oil & Gas Security Exercise (OGSE)** on a voluntary basis
 - **Oil & Gas Security Network (OGSN)** by officials in charge of oil and gas security policy in each economy
 - **Oil & Gas Security Studies (OGSS)** on research topics related to oil and gas security in the APEC region
- **APERC is continuing research on energy security through the OGSS.**

Progress of OGSS

- **17 studies** were published after endorsement by EWG.
- **The 17th report** was published in August 2020.
 - Title: Changing LNG market dynamics – impacts for supply security in the APEC region
 - This report identified the dynamics and challenges faced in the LNG market and provided implications on supply security
 - The emerging LNG portfolio players are expected to create more flexibility on supply sources and more efficient cargo delivery; LNG shipping operators are required to provide more complex services corresponding to the delivery routes. Modular construction approaches have been proved to minimize LNG production project costs and streamline the construction process.
 - Clear legal frameworks and support are required from governments to encourage the development of LNG terminals and gas storage.

Progress of OGSS

- **A new study was endorsed by the EWG in July and has started.**

- 18th OGSS Title: Impact of COVID-19 on energy security

- Background

Lockdowns and travel restrictions during the COVID-19 pandemic reduced demand for oil, gas and electricity worldwide, creating market surpluses that tumbled energy prices and subsequently, caused production curtailments and shut-ins across the world.

- Topic to study

- Will the curtailments and supply destruction resulting from COVID-19 lead to oil and gas supply shortages over the next few years?
- In the long term, how will the COVID-19 pandemic impact energy security throughout the APEC region?



Thank you for attention.

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