

Cooperative Activities of APEC on Oil and Gas

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1. Asia-Pacific Economic Cooperation

21 Member Economies:

Australia; Brunei

Darussalam; Canada;

Chile; People's Republic

of China; Hong Kong,

China; Indonesia; Japan;

Republic of Korea;

Malaysia; Mexico; New

Zealand; Papua New

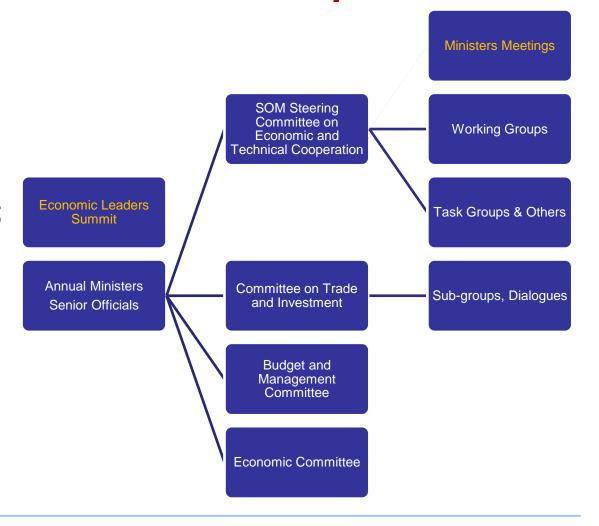
Guinea; Peru; The

Philippines; Russia;

Singapore; Chinese

Taipei; Thailand; The

United States; Viet Nam





APEC Energy Working Group (EWG)



Launched in 1990, the EWG helps further APEC goals to facilitate energy-related-trade and investment and seeks to maximize the energy sector's contribution to the region's economic and social well-being, while mitigating the environmental effects of energy supply and use.

The EWG meets formally twice a year to discuss developments and progress on energy policy issues; 53 meetings to date.

EWG and sub-fora

- Expert Group on Clean Fossil Energy (EGCFE)
- Expert Group on Energy Efficiency & Conservation (EGEEC)
- Expert Group on Energy Data & Analysis (EGEDA)
- Expert Group on New & Renewable Energy Technologies (EGNRET)
 - Low-Carbon Model Town Task Force (LCMT TF) (2010-)
 - Energy Resiliency Task Force (ERTF) (2015-)
- Supported by two research bodies
 - Asia Pacific Energy Research Centre (APERC) (1996-)
 - Asia Pacific Sustainable Energy Center (APSEC) (2015-)

Key Policy Goals and Initiatives/Activities

- Energy Intensity Reduction 45 % by 2035
- Renewable Energy Doubling by 2030
- Reform of Inefficient Fossil Fuel Subsidy
- Energy Security Initiative
 - Oil & Gas Security Initiative
 - Energy Resilience and Modernisation of Infrastructure
- Energy Smart Communities Initiative
 - Low Carbon Model Town
 - Knowledge Sharing Platform
- Green Energy Finance Initiative, LNG Trade Facilitation Initiative



2. Activities on oil & gas---mainly focussed on energy security



Top 10 Net importers in 2015/16 (provisional)

Oil	Mt	Coal	Mt	Natural gas	bcm
US	348	PR China	247	Japan	116
PR China	333	India	199	Germany	79
India	203	Japan	189	PR China	69
Japan	165	Korea	134	Italy	65
Korea	139	Chinese Taipei	66	Turkey	46
Germany	91	Germany	53	Korea	44
Italy	67	Turkey	36	Mexico	43
Spain	65	Malaysia	29	France	43
Netherlands	59	Thailand	23	UK	38
France	57	Brazil	20	Spain	28

APEC Energy Security Initiative

Five Measures, Endorsed by Leaders in 2002

- Real-Time Energy Information Sharing
- Joint Oil Data Initiative
- Sea-lane Security
- Emergence Response of Oil Supply
- Non-oil & Longer-term Measures

Longer-term Measures added in 2004

 Energy Investment; Natural Gas Trade; Energy Efficiency; Renewable Energy; Clean Fossil Energy; Hydrogen and Alternative Transportation Fuels; Methane Hydrates; Nuclear Energy; Petroleum infrastructure/Crude oil and refined products



Oil and Gas Security Initiative

Objective

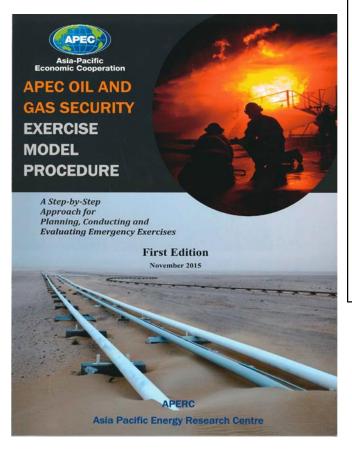
OGSI is to improve oil and gas security in APEC region by carrying out security exercises, accelerating information sharing and transmission, and conducting research on issues that have impact on regional oil and gas security.

Achievement

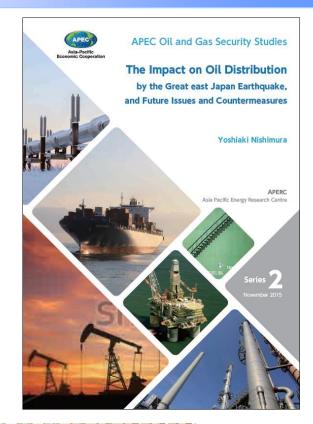
- ✓ Oil and Gas Security Exercise
 - Establish "Oil and Gas Security Exercise Model Procedure (EMP)".
 - Voluntary exercises have been taken place in 5 economies since 2015, including Thailand, Indonesia, the Philippines, Australia, and Peru.
- ✓ Oil and Gas Security Network
 - 3 OGSN Forums have been held (Kitakyushu, Kagoshima, Irkutsk)
 - Bi-monthly OGS Newsletters have been sent to member economies' officials
- ✓ Oil and Gas Security Studies
 - 6 studies were already published; 2 studies are underway



EWG Energy Working Group











APEC LNG Trade Facilitation Initiative

Objective

Asia has 70% of global market of liquefied natural gas (LNG). But, it is characterised by complicated and scattered nature. Challenges include pricing mechanism, fluctuating demand, flexibility without un-necessary barriers.



Tasks

- Promotion of information sharing
- Promotion of cross-cutting dialogue and cooperation
- Promotion of Public-Private Partnership

Activities of sub-fora

Expert Group on Energy Data and Analysis

- Yearly energy statistics of member economies
- JODI Oil & Gas
- APEC Energy Outlook

Expert Group on Clean Fossil Energy

- Reforming, to include Oil and Gas as a sub-group
- Report on APEC Oil and Gas to be release next year
- Oil and Gas trade to be included, besides security

Asia Pacific Energy Research Centre

- Studies and reports → http://aperc.ieej.or.jp
- Annual Conference



3. Tentative direction of future activities

APEC is a right platform to promote energy security as an international public goods

Jointly,

- Revive works on Trade & Investment and business engagement
- To promote joint investments on the upstream oil & gas exploration and development
 - To increase supply, to remove uneasiness on resource ownership
- To promote regional trading centres of oil and gas
 - To promote flexibility and price indexing in NE Asia
- To promote information/dialogues for mutual understanding and to avoid mistake on judgement

Individually,

- Each should act as a responsible stakeholder
- Member economies are advised to join, individually, the existing international security framework, such as IEA and Energy Charter Treaty
- Each member economy is advised to establish stockpiles for oil, and possibly LNG
 - Insecurity in one economy will affect others
- Each member economy is advised to improve the robustness of energy infrastructure for resiliency
 - For both terror attacks and climate impact

Outreach

- To cooperate with IEA & others on the global energy investment, supply and demand forecast
 - Mismatch between Infrastructures & upstream developments and demands create business cycles
 - Good information/prediction on both future supply and demand would be beneficial to alleviate business cycles
- To seek cooperation with other international fora on interconnectivity and trade promotion
 - Regional power grids
 - Pipelines on gas and oil
- Welcome interaction with UNECE, BSEC, SCO, GTI and EAEU



