



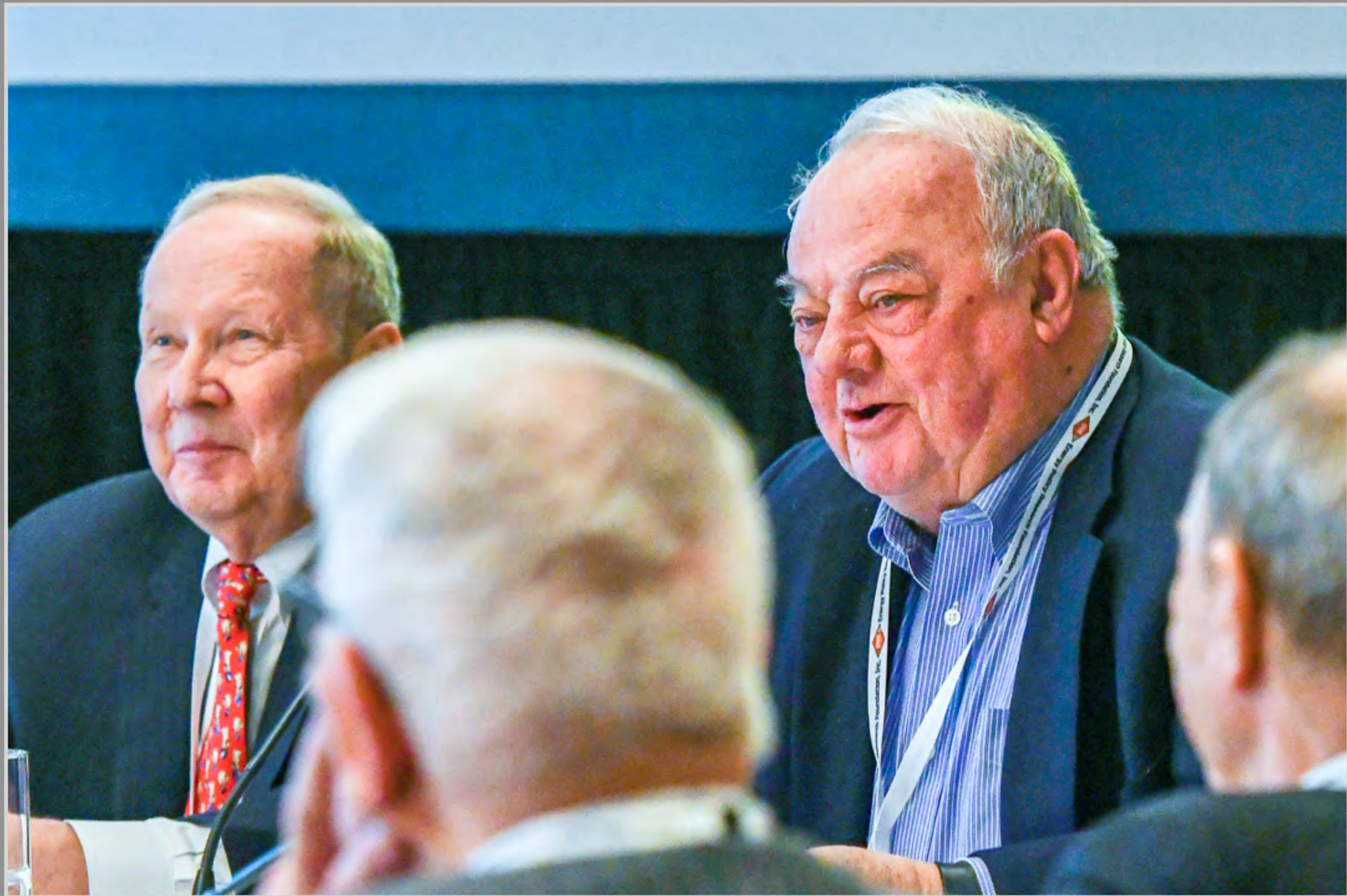
Improve Haynesville Shale Play #1 S well productivity from 18.4 Bcf in 2017 to 21.2 Bcf in 2025.

Improving well performance and greater drilling efficiencies will help counter increases in service costs as well as the costs of more intensive development, limiting Year 2025 "break-even" costs to \$2.60/Mcf compared to \$2.50/Mcf in 2017.

	\$5,100	\$6,430
\$ (\$000)	\$8,500	\$10,140
	18.4	21.2
Net Mcf)	\$2.50	\$2.60



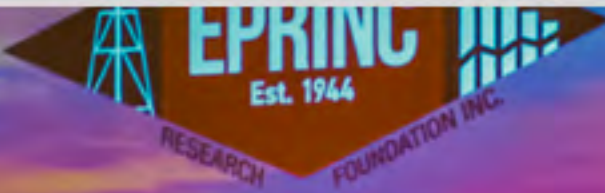






April 19, 20





Growing the North American Natural Gas Production Platform

A Workshop on Challenges and Opportunities

April 19, 2018 8:30 AM – 5:00 PM

Willard InterContinental Hotel, Washington, D.C.



April 19, 2018 8:30 AM - 4

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US-Japan Energy/Infrastructure Cooperation

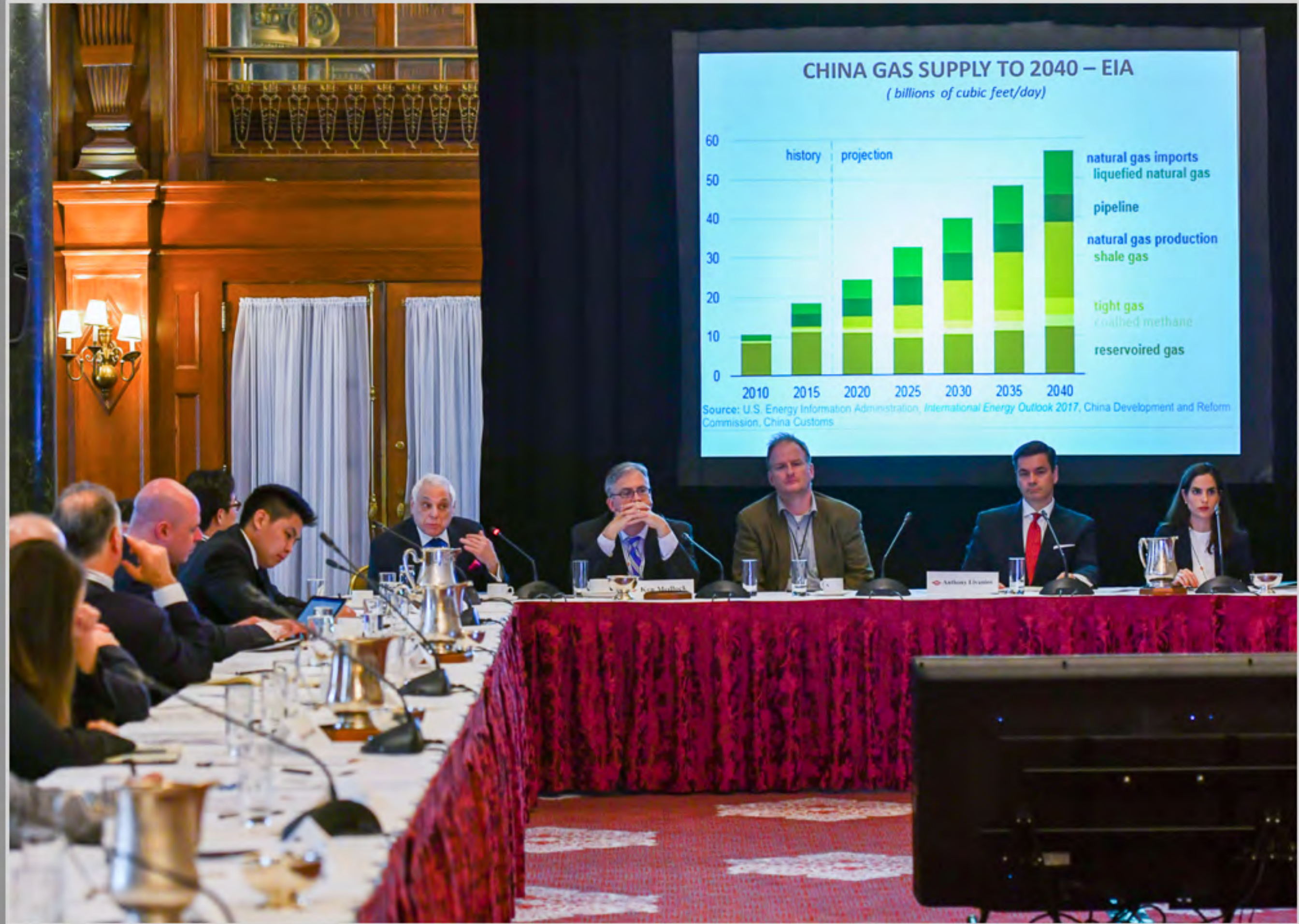
- US and Japan agreed to promote cooperation on the following at the US-Japan Summit (Nov 8, 2017):
 - o To promote Japan-US Strategic Energy Partnership (JUSEP) under the Japan-US Economic Dialogue
 - o To collaborate on infrastructure cooperation in third countries through financial cooperation between government agencies
 - (1) MOC b/w METI and USDA, (2) MOI b/w NEXI/BOC and OPIC

Japan-US Strategic Energy Partnership (JUSEP)

- 2 principles:
 - (1) Open and competitive energy market are indispensable to ensuring secure energy supply
 - (2) Universal access to affordable and reliable energy is needed to help eradicate poverty, fuel economic growth, and increase global security
- 4 Priorities:
 - (1) Advanced nuclear technology
 - (2) HLE rail technology, including CCUS
 - (3) Global market for natural gas
 - (4) Energy infrastructure
- 3 Geographic regions:
 - (1) Southeast Asia
 - (2) South Asia
 - (3) Sub-Saharan Africa









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Willard InterContinental Hotel, Washington, D.C.

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