

Japan's Energy Security and Global Conflicts

Professor TANAKA Koichiro
Graduate School of Media and
Governance
KEIO University

November 23, 2023

Outline of Today's Presentation



Japan's energy security question



Past and current conflicts of concern



Status of Japan's energy following Ukraine and Gaza



Energy strategy for the future



What to expect and challenges ahead

Energy Mixture Target for FY2030

- Source: 6th Strategic Energy Policy, Agency for Natural Resources and Energy.

		(FY2019 ⇒ previous energy mix)	Energy mix in FY2030 (ambitious outlook)	
Energy efficiency improvement		(16.55 million kl ⇒ 50.30 million kl)	62 million kl	
Final energy consumption (without energy conservation)		(350 million kl ⇒ 377 million kl)	350 million kl	
Power generation mix Electricity generated: 1,065 TWh ⇒ Approx. 934 TWh	Renewable energy	(18% ⇒ 22-24%)	36-38%	※If progress is made in utilization and implementation of R&D of renewable energy currently underway, 38% or higher will be aimed at. (details of renewable) solar 14~16% wind 5% geothermal 1% hydropower 11% biomass 5%
	Hydrogen/Ammonia	(0% ⇒ 0%)		
	Nuclear	(6% ⇒ 20-22%)		
	LNG	(37% ⇒ 27%)		
	Coal	(32% ⇒ 26%)		
	Oil, etc.	(7% ⇒ 3%)		
(+ non-energy related gases/sinks)				
GHG reduction rate		(14% ⇒ 26%)	46%	Continuing strenuous efforts in its challenge to meet the lofty goal of cutting its emission by 50%