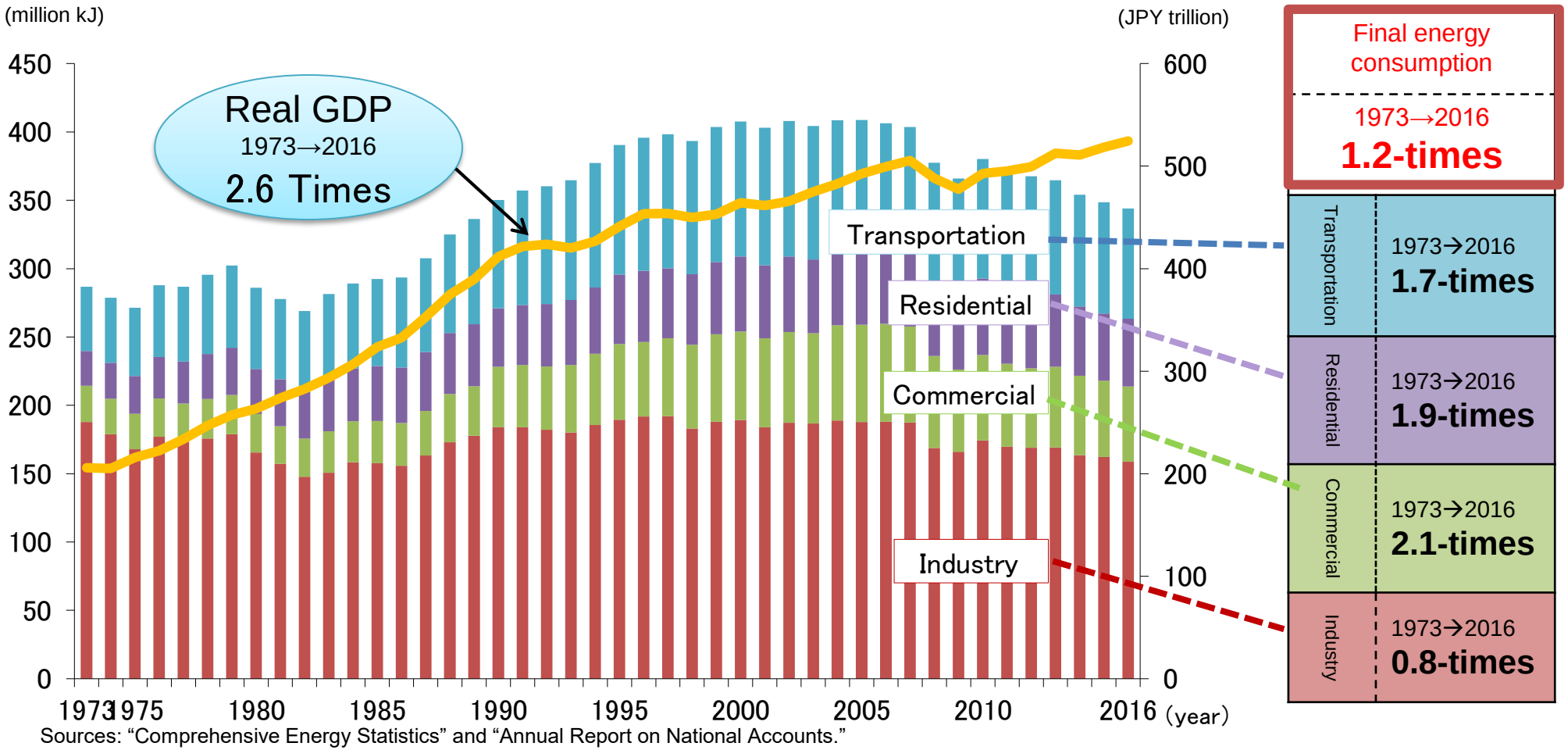
Ministry of Economy, Trade and Industry
Agency for Natural Resources and Energy

JAPAN'S EFFORTS TO IMPROVE ENERGY EFFICIENCY

26 October 2018

Hirohumi Takinami,
Parliamentary Vice-Minister of Economy, Trade and Industry,
JAPAN

Trends in Final Energy Consumption in Japan

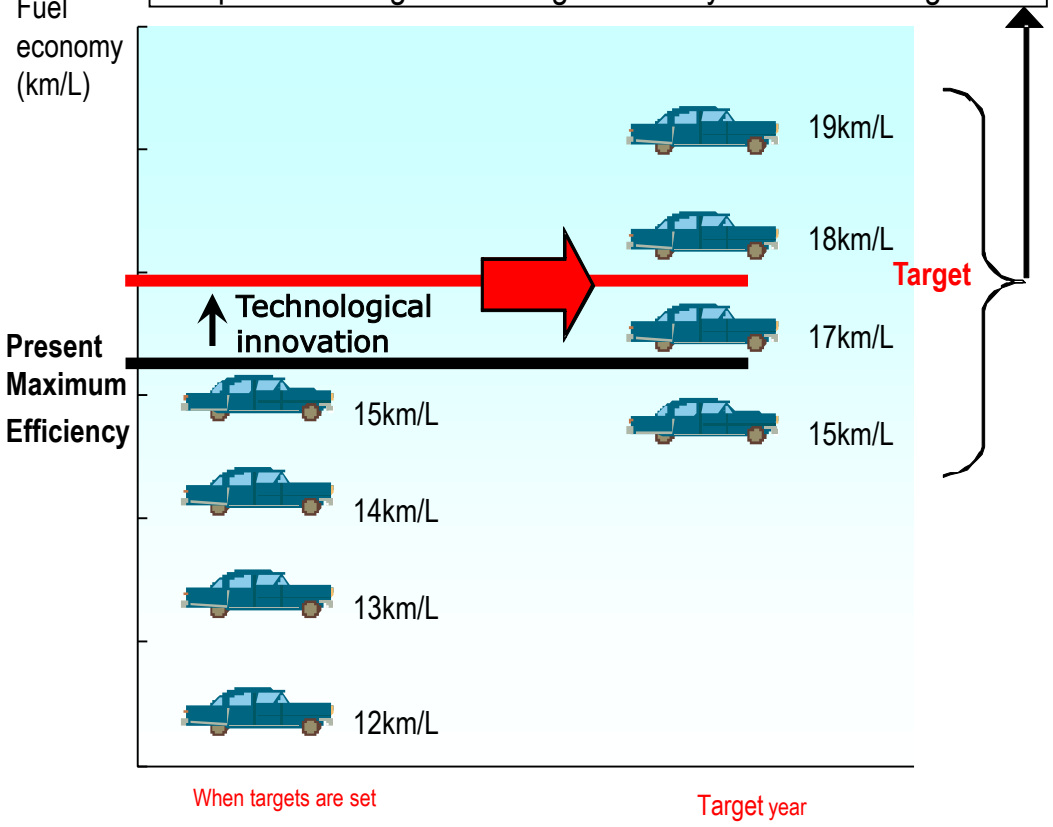


Sources: “Comprehensive Energy Statistics” and “Annual Report on National Accounts.”

Top Runner Program

Scheme

Manufacturers are required to have their products weighted average efficiency exceed the target.

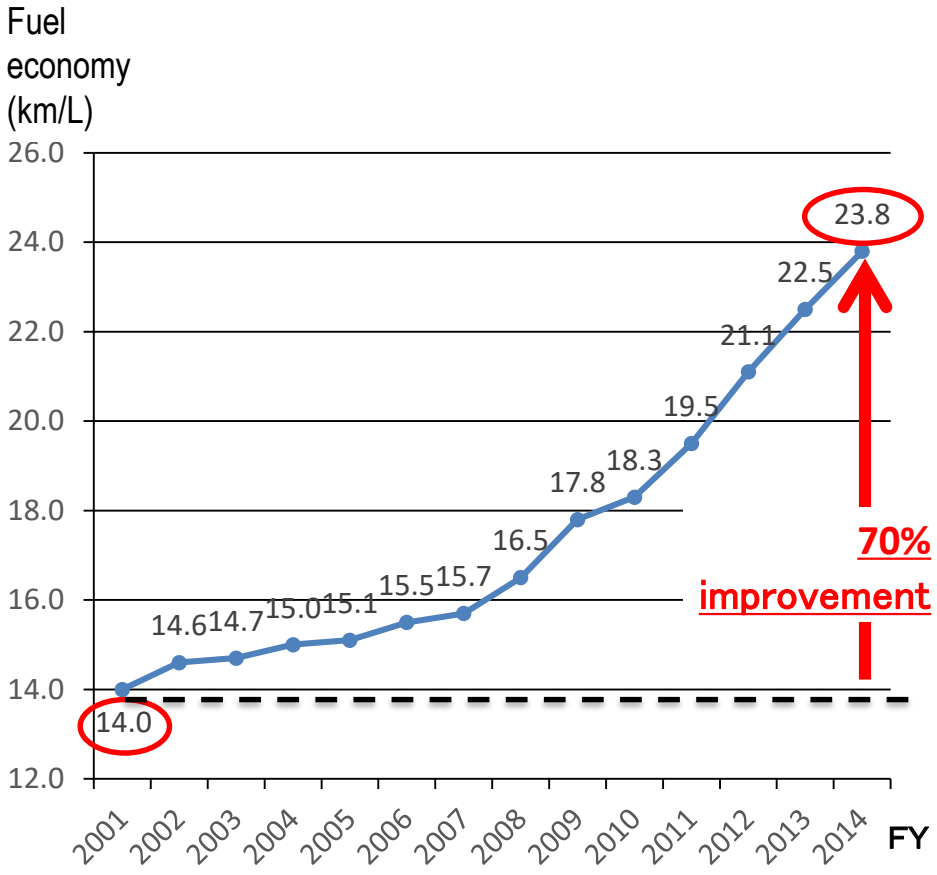


Subjects of the program（32 products）

1. Passenger vehicles
2. Air conditioners
3. Lighting equipment
   (Using only fluorescent lamps as main light source)
4. TV sets
5. Copying machines
6. Computers
7. Magnetic disk units
8. Freight Vehicles
9. Video cassette recorders
10. Electrical refrigerators
11. Electrical freezers
12. Space heaters
13. Gas cooking appliances
14. Gas water heaters
15. Oil water heaters
16. Electric toilet seats
17. Vending machines
18. Transformers
19. Electric rice cookers
20. Microwave ovens
21. DVD recorders
22. Routers
23. Switching unitts
24. Multifunction devices
25. Printers
26. Electric water heaters
27. AC motors
28. Self-ballasted LED lamps
29. Showcase
30. Insulation materials
31. Sashes
32. Multi-paned glazing

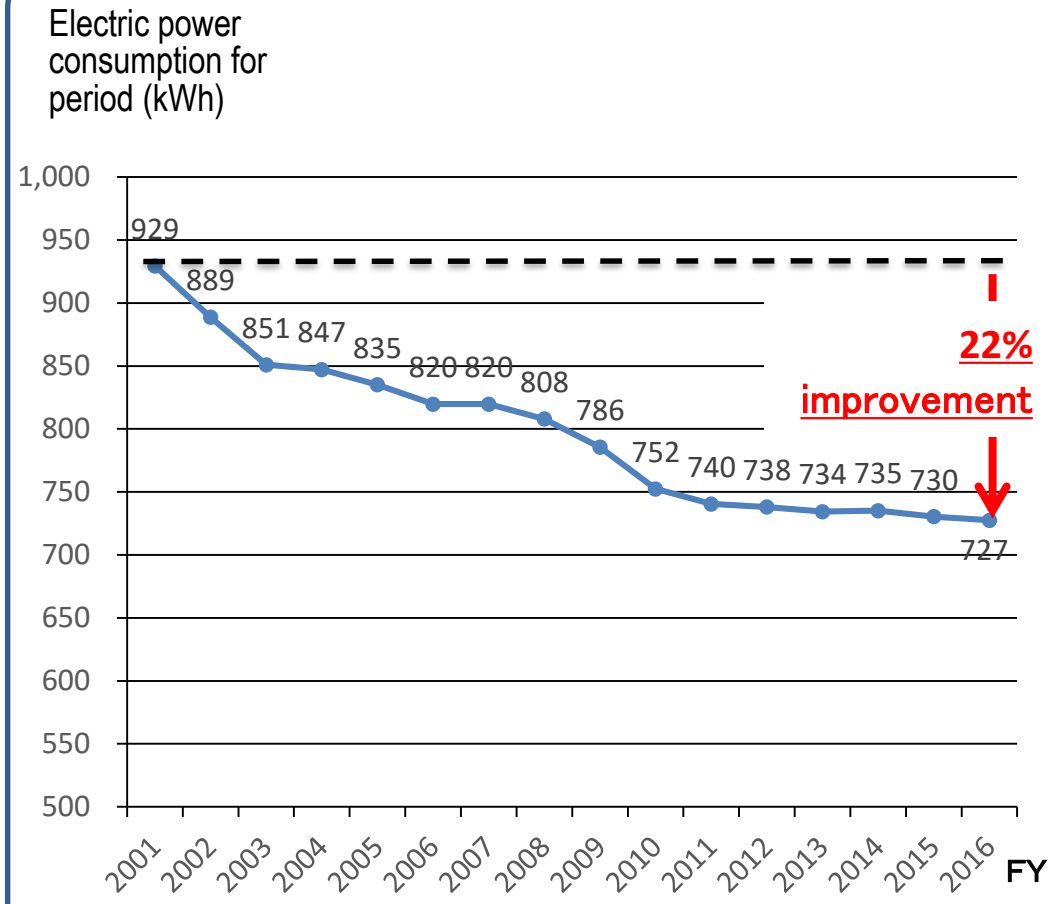
Improvements in Energy-Efficiency under “Top Runner Program”

[Passenger vehicles]



(Source) Ministry of Land, Infrastructure and Transport

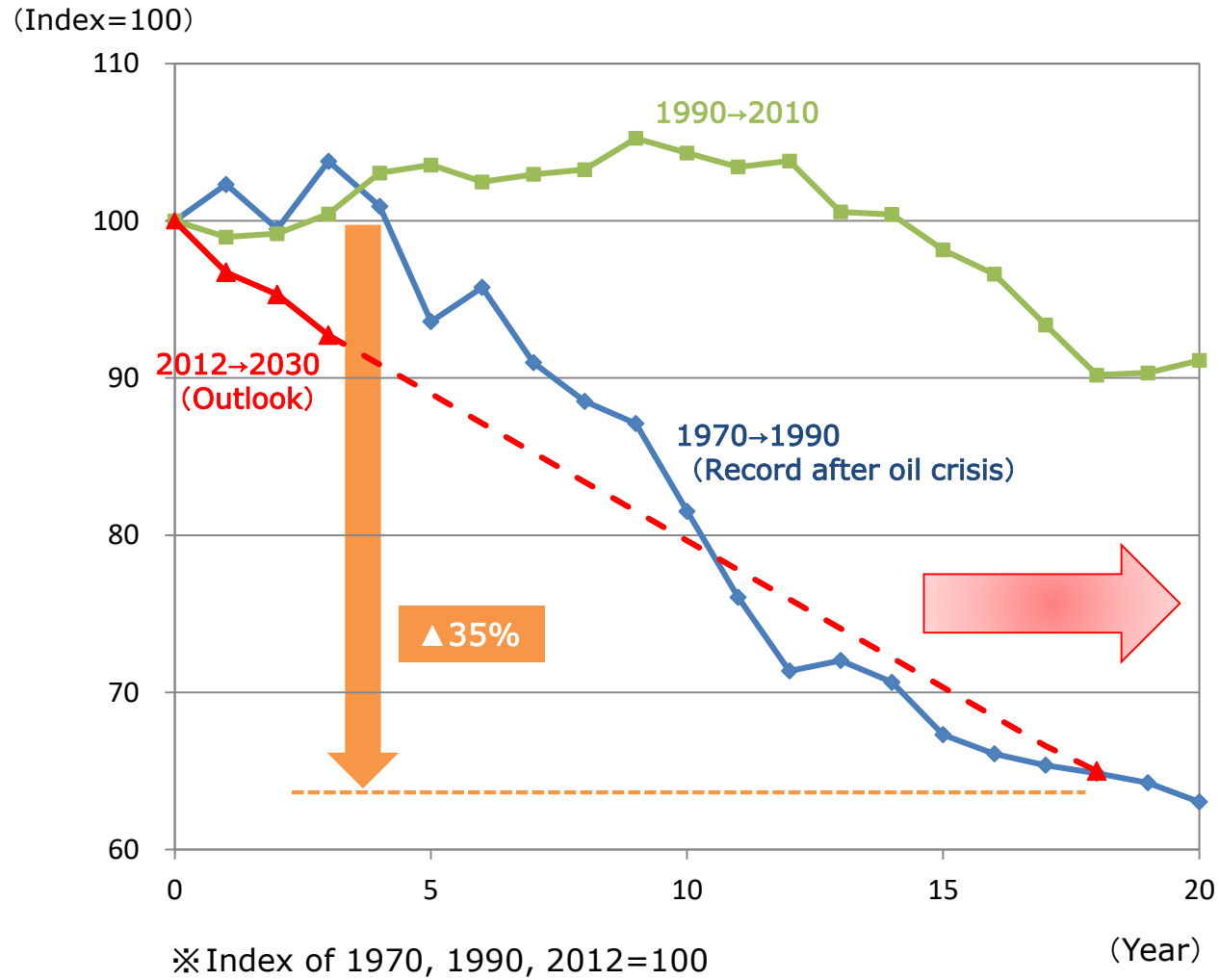
[Air conditioners]



(Source) Created from “Energy Efficiency Performance Catalog”.

Japan's target for ambitious energy efficiency

- 35% reduction in energy consumption per GDP toward 2030



※Index of 1970, 1990, 2012=100
※Energy efficiency
＝Final energy consumption／Real GDP

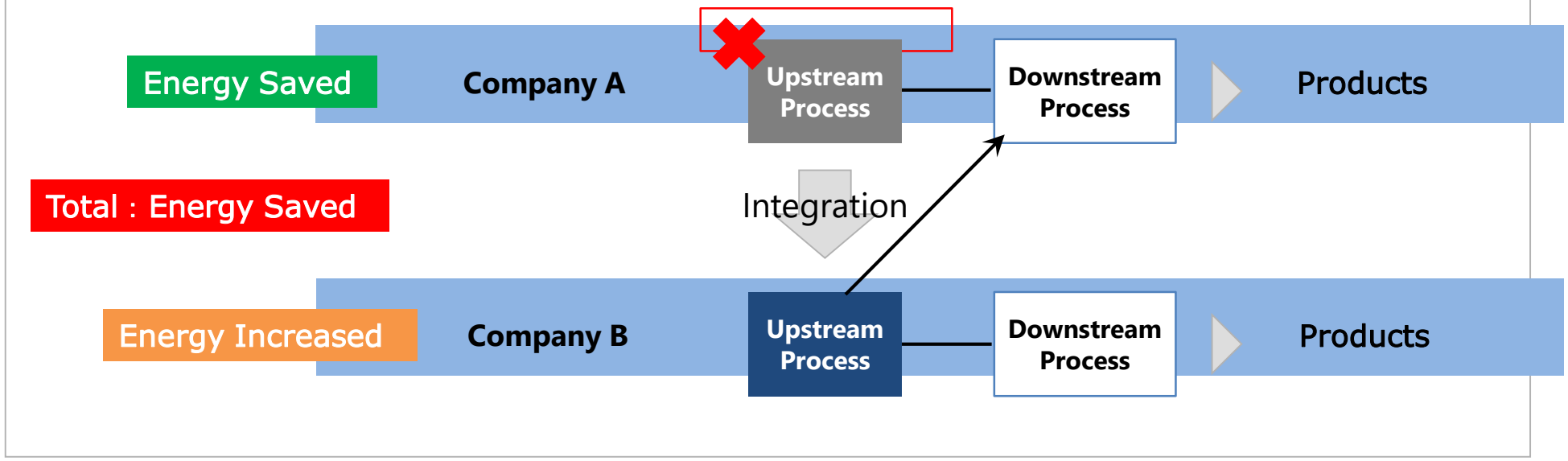
"The second Energy Efficiency Revolution"

Amendment on Act on the Rational Use of Energy

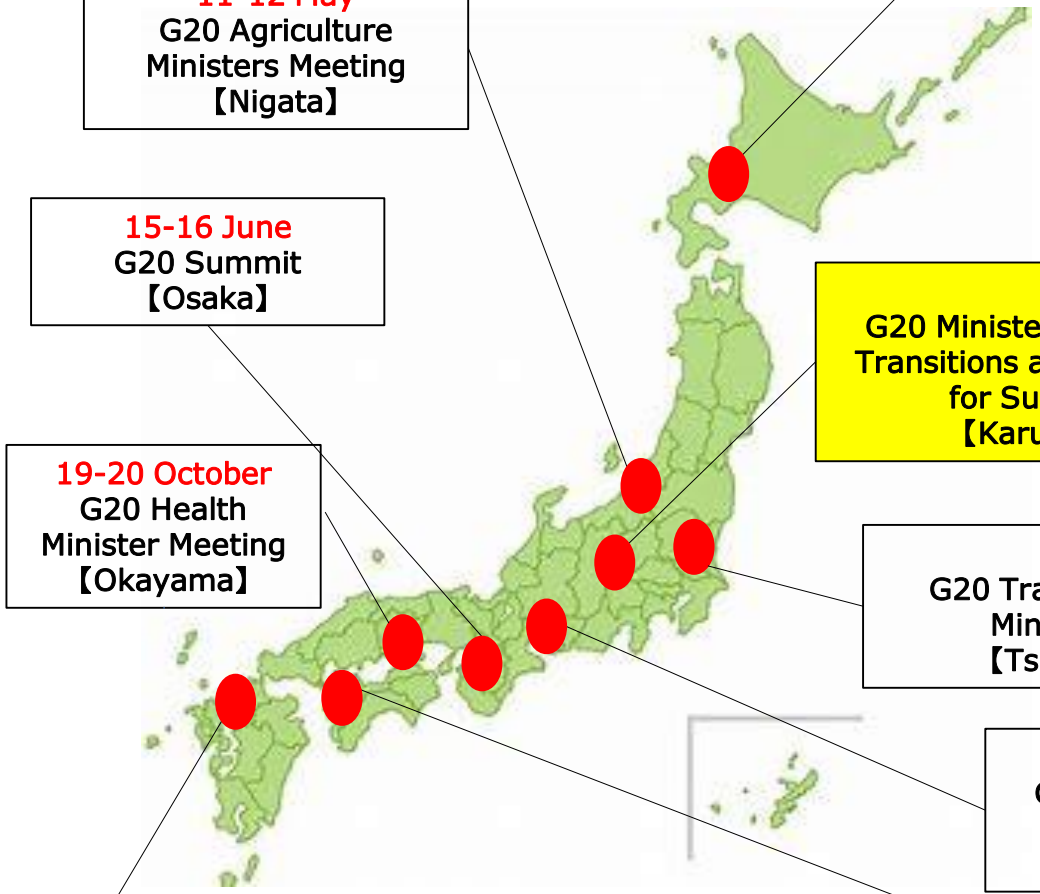
Japanese Government amended its energy use reporting regulation for individual company to allow the inclusion of efficiency improvement in other companies if the improvement was gained by their joint effort.

Promoting joint investment for efficiency and removing hurdle for equipment consolidation among energy-intensive companies.

Example: Upstream process outsourcing



Next year's G20 presidency in Japan



25-26 October
G20 Tourism Meering
【Kucchan, Hokkaido 】

11-12 May
G20 Agriculture
Ministers Meeting
【Nigata】

15-16 June
G20 Summit
【Osaka】

15-16 June
G20 Ministerial Meeting on Energy Transitions and Global Environment for Sustainable Growth
【Karuizawa, Nagano】

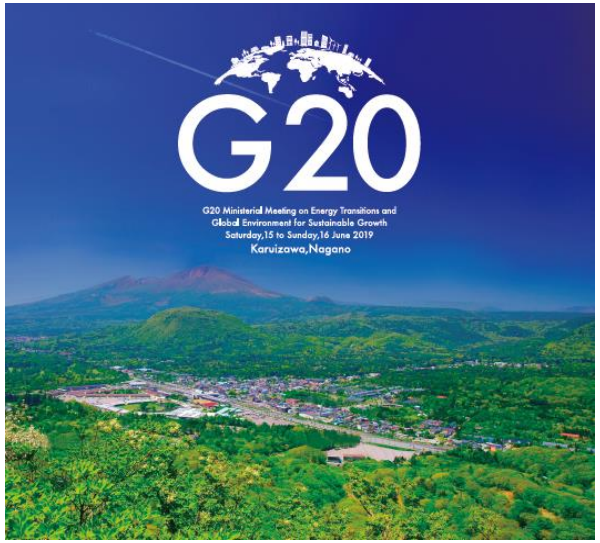
19-20 October
G20 Health
Minister Meeting
【Okayama】

8-9 June
G20 Trade and Investment
Ministerial Meeting
【Tsukuba, Ibaraki】

22-23 November
G20 Foreign Ministers'
Meeting
【Nagoya, Aichi】

8-9 June
G20 Finance Ministers and Central
Bank Govermentors Meeting
【Fukuoka】

1-2 September
G20 Labour and Employment Ministers
【Matsuyama, Ehime】



The View at Karuizawa Town

THANK YOU FOR LISTENING