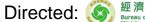


Economy Update in Chinese Taipei

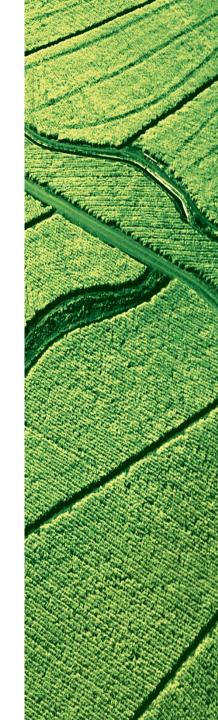
March 16, 2023







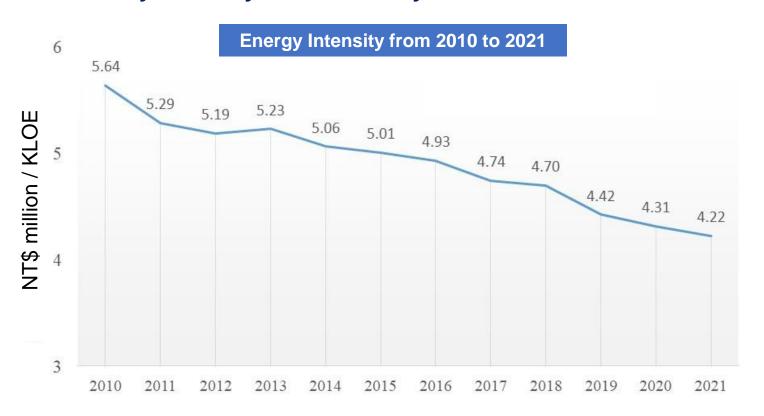




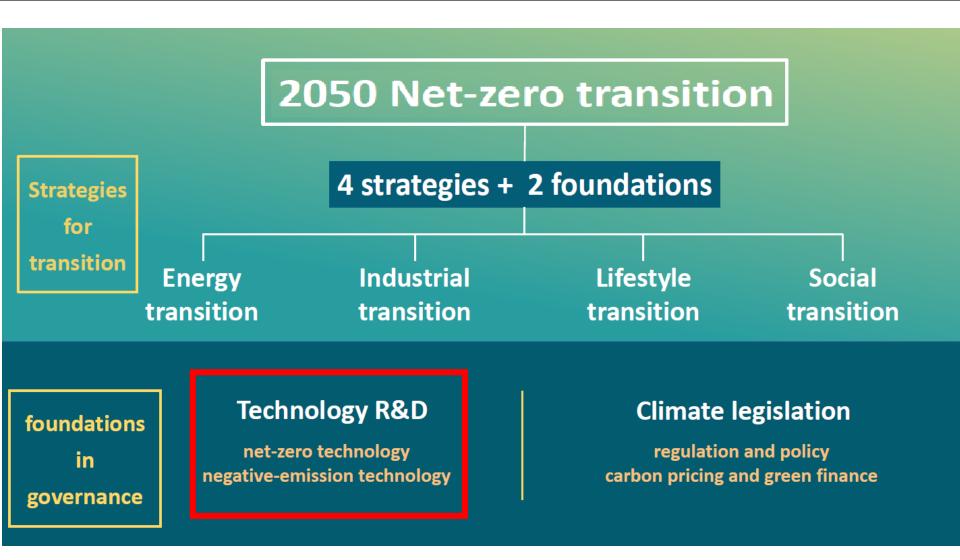
Energy Conservation Goal

Policy goals of Average Energy Intensity and Electricity Intensity improvement from 2017 to 2025:

- Energy Intensity: -2.4% annually
- Electricity Intensity: -2% annually



Pathway to Net Zero Emissions in 2050



Actions Toward Net-Zero Transition

Improve Energy efficiency in Four areas

Industry

Business

Buildings

Transportation



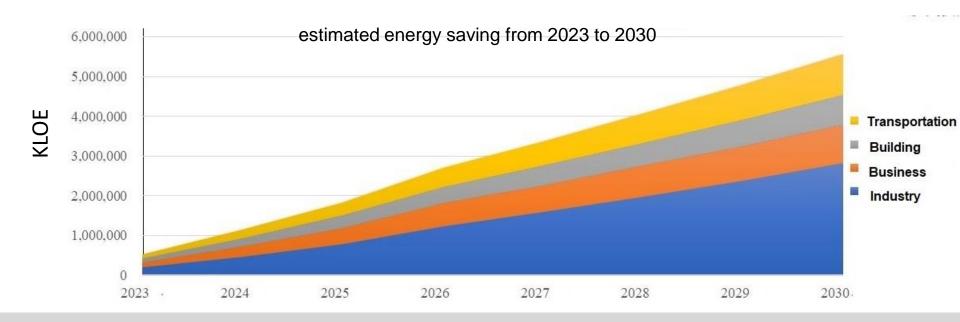
In Two phases

2023 - 2030

implementing practical existing technologies and lay outing technical innovation

2031 - 2050

expanding the application of innovative technologies



Energy efficiency standards update

Mandatory & Voluntary Policy

Three principal policies to promote energy efficiency management for equipment and apparatuses

Voluntary Policy

Energy Conservation Labeling



52 Items

>10,000 Products

95.9%

Household Electricity
Consumption in Summer

Promoting Date: Dec, 2001

Mandatory Policy

Energy Efficiency Grading Labeling (EEL)



Minimum Energy Performance Standard (MEPS)

18 Items

> **49,000** Products

Household Electricity
Consumption in Summer

32 Items

84.9% Household Electricity Consumption in Summer

Promoting Date: Dec, 1981







New MEPS for Fluorescent Light Sources

- Amendment date: Sep. 26th 2022
- Effective date: July 1st 2024 (Fit 2025 Net Zero policy)
- Test standards:
 - 1. Fluorescent lamps (CNS 691)
 - 2. Compact fluorescent lamps (CNS 14576)
 - 3. Self-ballasted fluorescent lamps (CNS 14125)
- Energy efficiency improves 11%~80%
- An estimated 140 million kWh of electricity will be saved each year



New MEPS for Electric Pots

Amendment notice date: Nov. 17th 2022

■ Effective date: July 1st 2025 (Fit 2025 Net Zero policy)

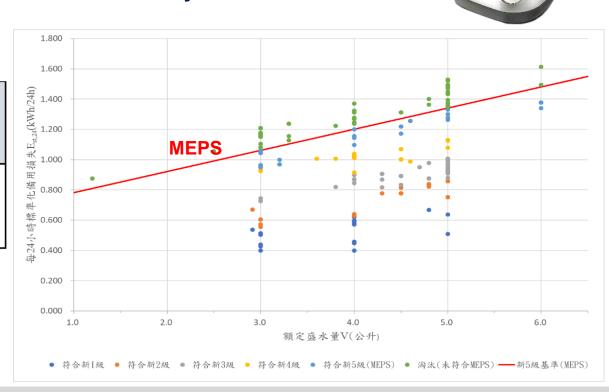
■ Test standard: CNS 12625

■ Energy efficiency improves 12.5%

An estimated 8.9 million kWh of electricity will be

saved each year

Rated Water Capacity, V (Liters, L)	MEPS (kWh/24h)
All models	0.140V + 0.641



New MEPS for Electric Storage Tank Water Heaters

Amendment notice date: Dec. 9th 2022

■ Effective date: July 1st 2025 (Fit 2025 Net Zero policy)

■ Test standard: CNS 11010

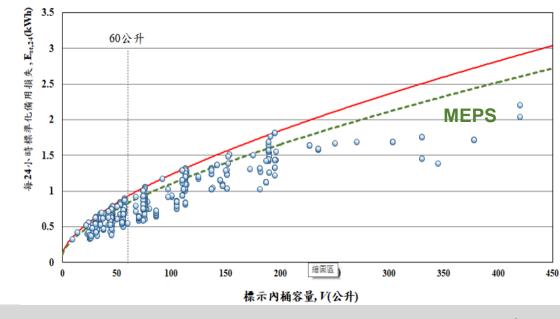
Energy efficiency improves 10.5%

■ An estimated 1.4 million kWh of electricity will be saved each year





Rated Capacity of inner tank, V (Liters, L)	MEPS (kWh)
V<60 Liters	0.1105+0.0470×V ^{2/3}
V≧60 Liters	0.17+0.0434×V ^{2/3}



Conclusion

- Under the framework of 2050 Net-Zero Emission pathway, the Actions Towards Net-Zero Transition is proposed in the end of 2021. The main target of the plan is to maximize energy efficiency
- To attain the target, we recently updating several residential major appliances' energy efficiency (Fluorescent Light Sources, Electric Pots and Electric Storage Tank Water Heaters) to phase out inefficient products
- At the same time, we are continuously committing to new technologies R&D to assist industrial innovation
- Chinese Taipei have been working hard to plan and implement more energy saving strategies to carry out Net-Zero Emission in 2050. We look forward to enhancing cooperation with APEC member economies and move toward a net-zero energy future

Thank You