Kyoto City’s Challenge to jointly achieve 1.5 °C

Japan Climate Initiative @COP25 Japan pavilion
Challenges of Japan and large cities in the midst of climate crisis
– Aiming to be carbon neutral by 2050 –

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Supervising Director
of Global Environment and Energy Policy
City of Kyoto
Mayor announced "Net-zero CO2 emissions by 2050"

Kyoto Appeal to jointly achieve 1.5°C

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Kyoto City
Responsibility for the future

Responsibility as Kyoto Resolution

Kyoto Appeal to jointly achieve 1.5 °C
The first time ever in Japan

Zero net-zero CO2 emission by 2050

Three Determinations

Primary Focuses
• To improve energy efficiency for buildings, transportation
• To expand of renewable energy (generation and election)
• To mobilize innovation
• To foster leading actor in the future

Bold actions are needed to make social and economical transformation happened

IPCC Kyoto Guideline to support implementation of Paris Agreement

Challenges from Kyoto to achieve 1.5 ºC
The progress towards net-zero CO2 emission

To set the carbon neutral target for 2050

• The ordinance of global warming countermeasures
• The climate action plan

be subject to amend by 2020FY
Kyoto decarbonization scenario by 2050

* It was calculated by Kiko Network and E-konzai with the support of Kyoto City.
Transition on Energy consumption and GHG emissions

Huge gap between energy consumption and GHG emissions
The Path to Net-zero CO2 Emissions by 2050

“Road to Zero Project” advanced ver. (draft)

**Project 1**
To implement concrete measures for 2030

- Reduction target: more than 40% by 2030

**Project 2** Necessary actions to 2050
To introduce advanced measures after research period

- e.g. Decarbonized public transportation, local energy for local consumption, innovation

Open to evolve with additional measures (raise ambition)

**Plus Action**
To add further measures

**Sub targets**
- Energy Consumption: 40% reduction from its peak
- Share ratio of RE: 35%

※ Base year is 1990
Keep global temperature rise below 1.5°C

Net-zero CO₂ emissions by 2050