



Kyoto City's Challenge to jointly achieve 1.5 °C

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Mayor announced "Net-zero CO2 emissions by 2050"



Challenges from Kyoto to achieve 1.5 °C

Kyoto Appeal to jointly achieve 1.5 °C

The first time ever in Japan



net-zero CO2 emission



by 2050

IPCC Kyoto Guideline

to support implementation of Paris Agreement



Three Determinations

Responsibility for the future

Responsibility as Kyoto

Resolution

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

To set the carbon neutral target for 2050

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

be subject to amend by 2020FY

PR: Climate Crisis



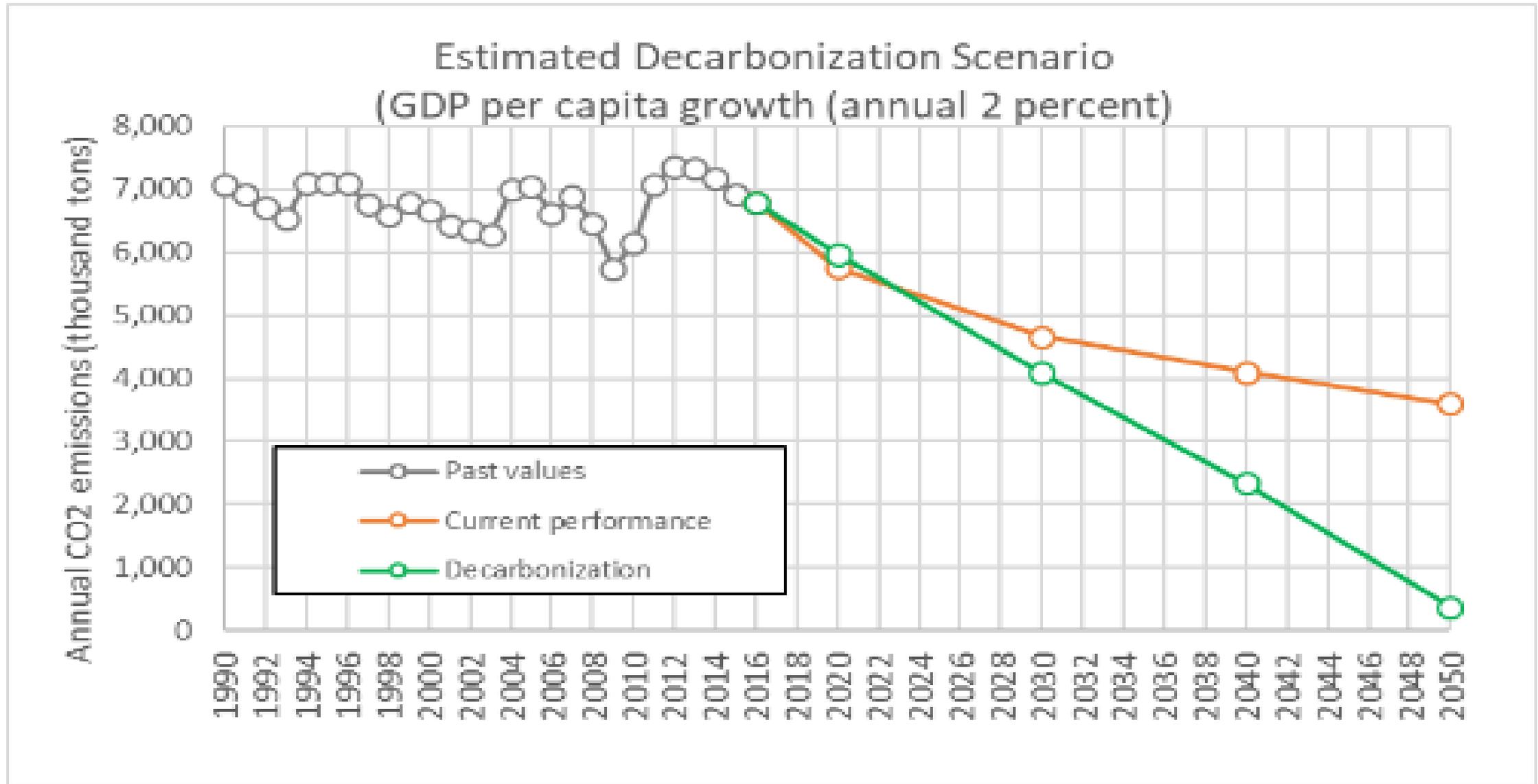
City Council



Environmental Advisory Committee

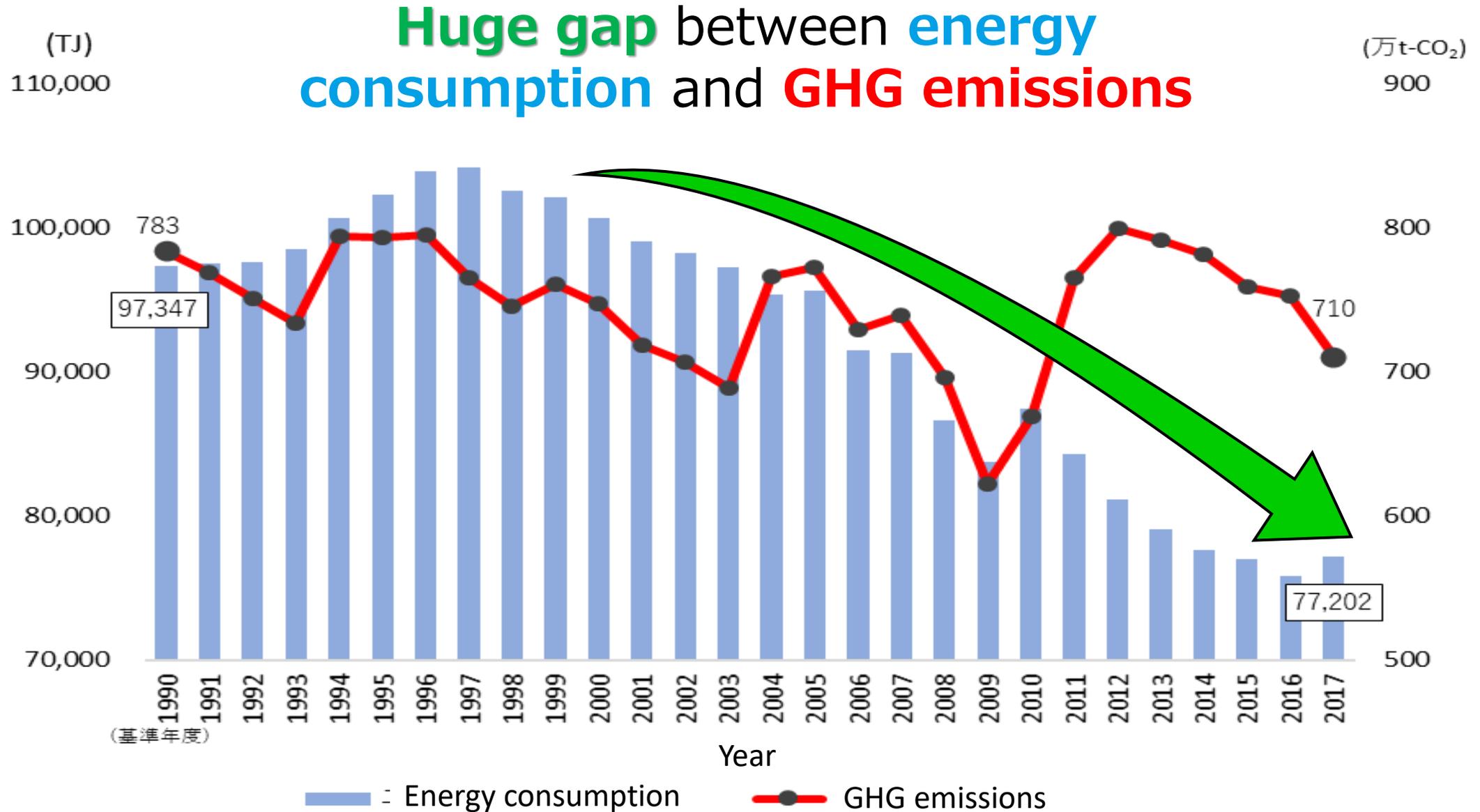


Kyoto decarbonization scenario by 2050



* It was calculated by Kiko Network and E-konzai with the support of Kyoto City.

Transition on Energy consumption and GHG emissions



The Path to Net-zero CO2 Emissions by 2050

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

Zero



by 2050

Net-zero CO₂ emissions

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)

Project 1

To implement concrete measures for 2030

Present

Plus Action

to add further measures

Reduction target

more than

40%
by 2030

Sub targets

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

※ Base year is 1990

Plus Action

Climate Ambition Alliance (Announced on December 11 during COP25)

- 412 cities and regions aim for net zero by 2050

Urgent and ambitious climate action is needed



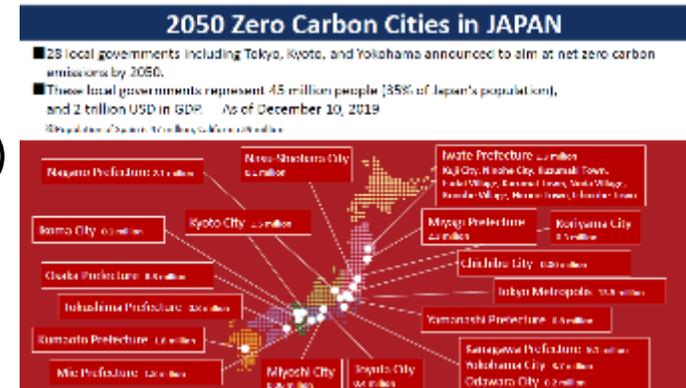
2050 Zero · Carbon · Cities in Japan

- **28 local governments** including Kyoto, Tokyo, and Yokohama announced

※ As of COP25

These local governments represent

- 43 million people (34% of Japan's population)
(Population of Spain is 47 million)
- 2 trillion USD in GDP.



Source: Ministry of the Environment website

Kyoto City's activity report at COP25



The role of local governments

- ✓ Act together to achieve high goals
- ✓ Leading to further reduction targets of Japan