



20140610 UNFCCC TEM Urban Environment

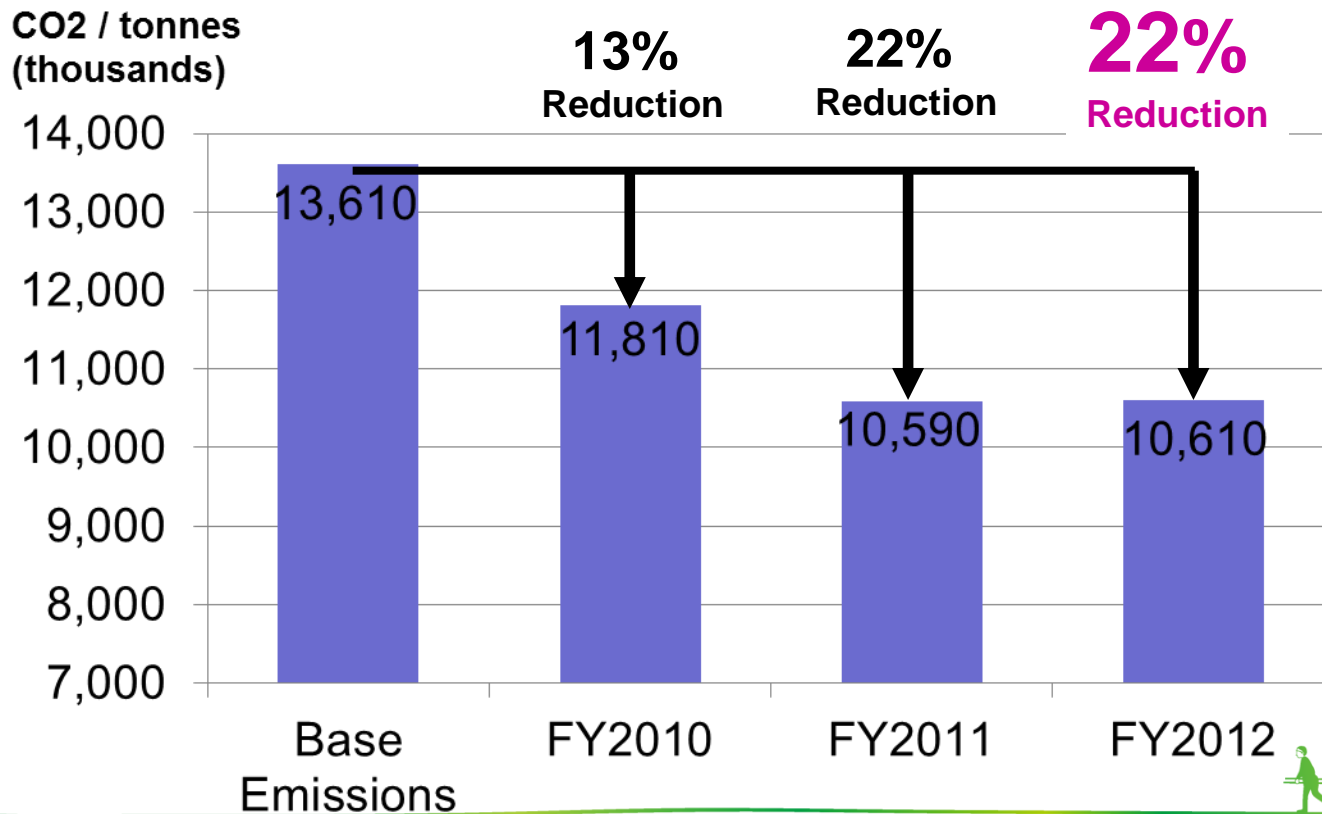
Tokyo: Cap and Trade Program Lessons Learned

Masahiro Kimura Tokyo Metropolitan Government-Environment

Tokyo Cap-and-Trade Results to Date

Remarkable Reductions in 3 Years

Total CO2 emissions from facilities covered by C&T dropped drastically



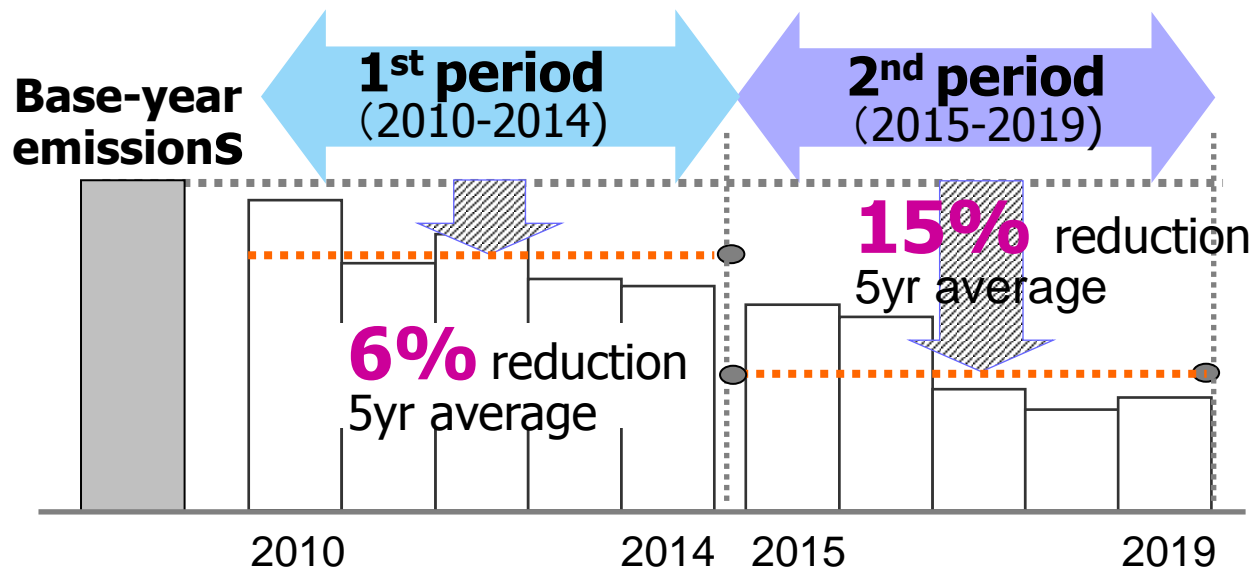
Tokyo Cap-and-Trade: Outline 1

Cap, Covered Facilities, Cap Settings

Cap (Total emissions allowed for the covered sector) was designed to enable Tokyo to achieve "-25% by 2020" emission target

Setting cap on emissions from **1,400** facilities (Mainly commercial bldgs.), accounting for **20%** of Tokyo's total emissions

Under the cap, each building is obligated to reduce emissions by **6,8 %** (first period) and **15,17%** in the second period



Tokyo Cap-and-Trade: Outline 2

Trade and Offset

Emission Trading:

Trade scheme can be utilized by owners to fulfill their obligations
Tradable allowances are limited to the excess reductions over compliance obligations

MRV: Monitoring and annual reporting are required

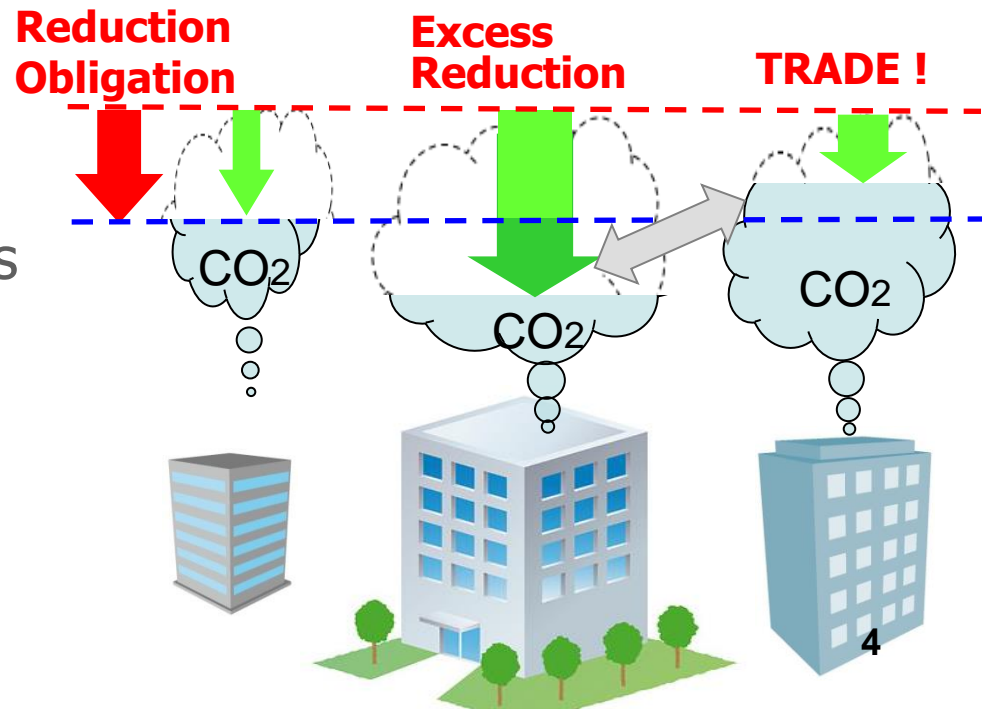
Verification system established for the program

Offset systems:

Renewables, emission reductions in small facilities, etc.

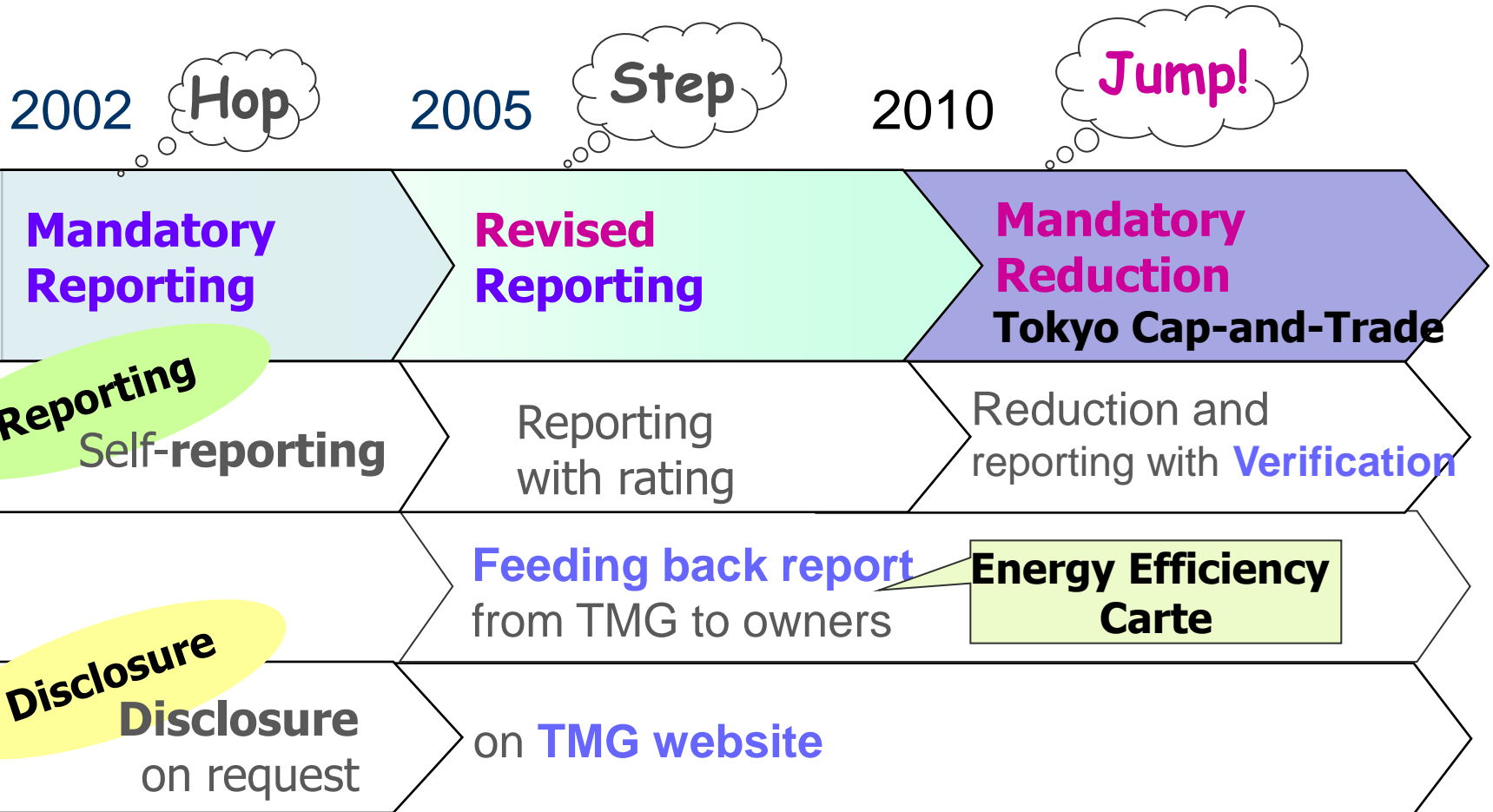
Linkage:

Link with the C&T of an adjacent prefecture



Program Development

Reason for steady reductions



Lessons Learned 1

Cost of Building Energy Efficiency

There are still many BEE measures with **low/negative cost**
We selected measures with a payback no greater than 3 years

↓
Guidance on 12 Basic Measures

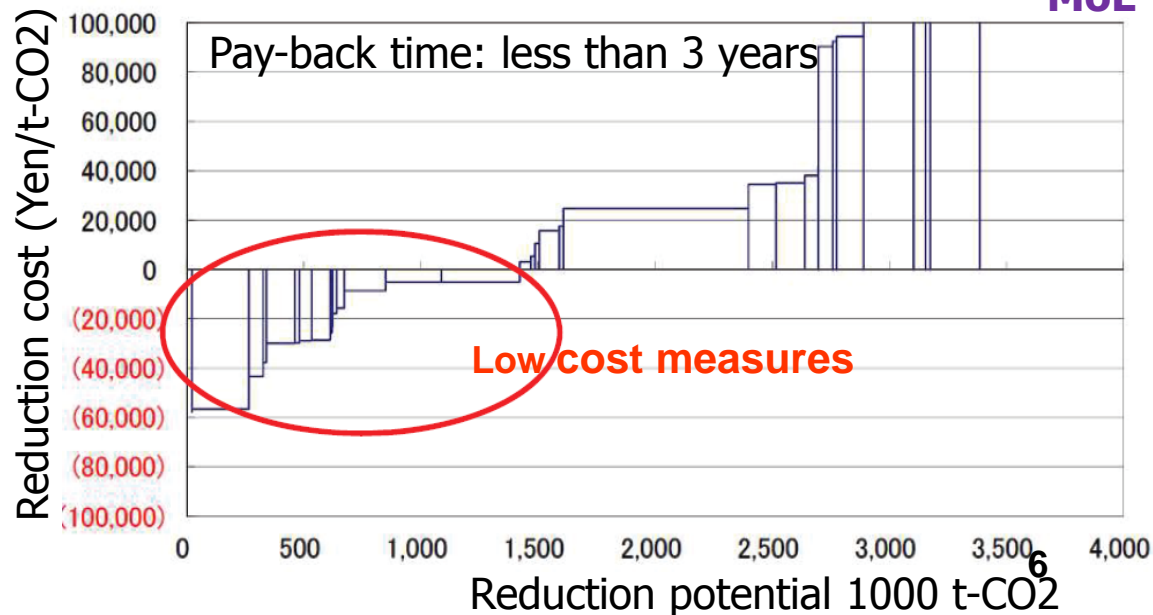
Step

For larger investment involving **corporate decision makers** is the key

↓
Cap-and-Trade

Jump!

Marginal reduction cost curve in Commercial Sector
MoE



Lessons Learned 2

Capacity Building

Capacity building of both government and facility/building sides is necessary

Building side

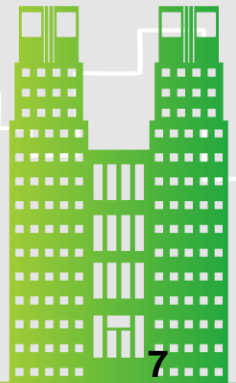
Effective measures taken:

- Feeding back reports
- Advising through "help desk"
- Providing seminars/lectures
- Disseminating brochures/best practice reports



Government side

- Better communication with stakeholders,
- Building up and improving policies and programs
- Learning from other cities is crucial!**



To Further Enhance Urban Government Actions

Support needed for:

- Capacity building
- Local alliances

**“More Global Attention
for Local Climate Actions”**



References

TMG Website: www.kankyo.metro.tokyo.jp/en

TMG Facebook: www.facebook.com/Environment.TMG

Photo by (c)Tomo.Yun <http://www.yunphoto.net>