

Supervising Director of "Do You Kyoto" Project Promotion Global Environment Policy Office Kyoto City

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## WASHOKU as an Intangible Cultural Heritage by UNESCO

# Washoku (traditional Japanese cuisine) was designated as an Intangible Cultural Heritage by UNESCO in December 2013.

- Washoku originated in Kyoto.
- The lifestyle coexisting with rich nature is still alive in Kyoto.
- ⇒Sense of gratitude for rich nature and life "Itadakimasu"
- "Gochisosama"
- ⇒Use up all cooking ingredients "Mottainai"
- XThe western meat-eating habitat consumes a lot of grain as feed.



# Main Feature of Kyoto



Spirit of Autonomy

Power of Citizens and

Communities

Rich nature Coexistence, Harmony

With population of 1.470.000 Large Inland City

Diversity of Kyoto

With 150.000
University Students
City of Higher
Education

Determination to Prevent
Global Warming
Birthplace of
"Kyoto Protocol"
An Environment Model City

Success of
Advanced Industry
Backed by Excellent
Traditional Industry
City of Manufacturing

# the 6 visions of a society on Kyoto Program of Global Warming Countermeasures



the 6 visions of a society in 2030

City enjoyed by walking with preference given to people and public transportation: sloughing a car-centered society

City that regenerates its forests and values its "culture of wood"

City of energy creation and community recycling

Environmental-friendly lifestyles

Environmental-friendly economic activities

Garbage reduction



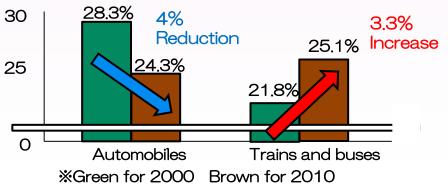


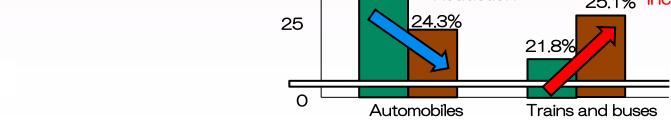
a city enjoyed by walking with preference given to people and public transport: sloughing a car-centered society 1)



- "Pedestrian Friendly City, Kyoto" Charter (formulated in Jan. 2010) Promote "Creating a Charming City Where People Comes First" through the collaboration between citizens, tourists, enterprises and the city
- "Pedestrian Friendly City, Kyoto" Comprehensive Transportation **Strategy** (formulated in Jan. 2010)
  - Transform from car dependency into a healthy and pedestrianfriendly city
  - Kyoto, being a representative "International Culture and Tourism" City" as well as continuing to be a vibrant city generating energy
  - In order to promote the strategy, 88 projects are steadily implemented.

Reduction of the transit modal share of automobile



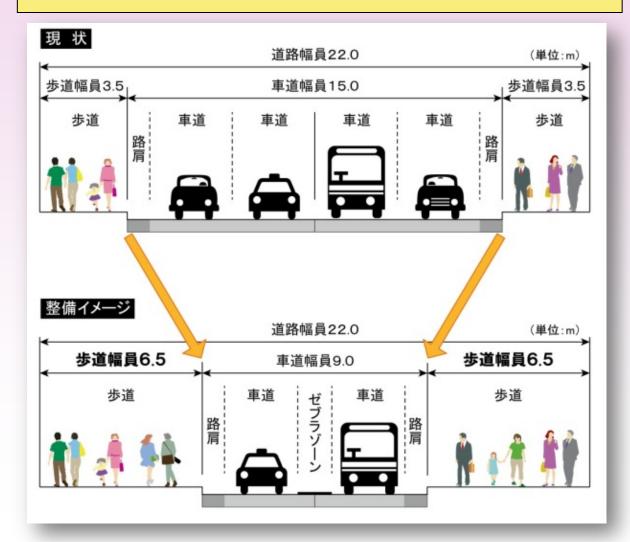


**Basic Concept** 

## a city enjoyed by walking with preference given to people and public transport: sloughing a car-centered society 2

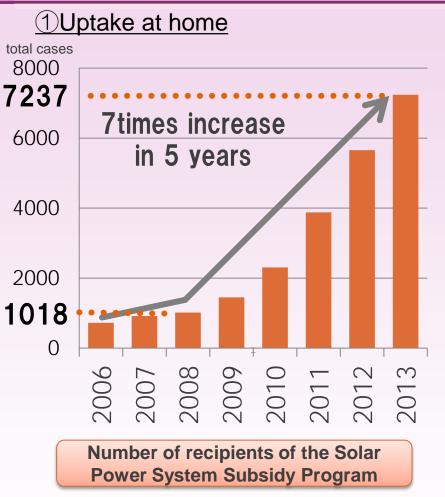


The first among large cities!
Widening of sidewalks and cutting the width of roadways by half (four lanes to two lanes) on a main street of downtown Kyoto
Preference on public transportation



# City of energy creation and community recycling 1 Promotion of Renewable Energy

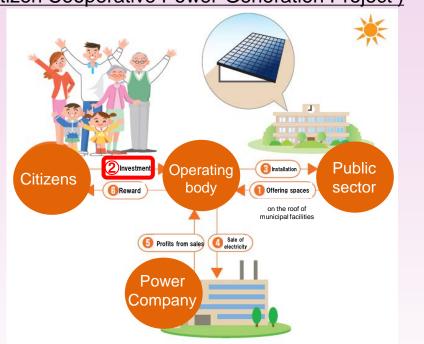




In 2014, we subsidized the installation of five types of power generation and energy saving facilities.\*

(\*Solar power generation system, electric storage device, solar heating system, home fuel battery system, HEMS)

<u>(Citizen Cooperative Power-Generation Project )</u>



Citizens will participate in the Power-Generation Project through investment. The investors will be rewarded with local specialties.

## **3Uptake in enterprises**

One third of the costs for the installment of energy-saving facilities will be subsidized by the city to the small and medium -sized enterprises in Kyoto.

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# City of energy creation and community recycling 2

## Launched "Biodiesel Fuel Project" in October 1996

Harnessing the power of citizens and communities, used cooking oil is collected by citizens for making fuel. This fuel is used in refuse-collection vehicles and city buses.



A collection point for used cooking oil (one of about 1760)



Fuel-production facility for used food oil in Kyoto (Produces 5,000 liter /day)



- •92 city buses (B5)
- 136 garbage-trucks (B100)
- •Reduction of CO<sub>2</sub> is 3,300 tones / year

## Biomass Fuel Production (Bio Light Oil Materialization Project)

Compared to the present biodiesel fuel, bio light oil is far more compatible with vehicles and exhaust is much cleaner. In a world first, the City of Kyoto has launched a collaborative project with the Advanced Scientific Technology & Management Research Institute of Kyoto, Toyota Motor Corporation and Kyoto University on the research and development of techniques for producing high-quality bio light oil, with the hope of realizing these by FY 2018.

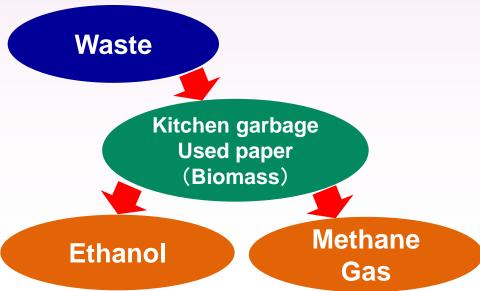
### Feature of Bio Light Oil

- 1)Biomass fuel does not increase CO<sub>2</sub> in the air
- 2) High quality equals to light oil
- 3Can produce not only from used plant oil but also from waste animal fat (This technology is the world's first.)

# City of energy creation and community recycling 3 Urban "Oilfield" Development Project



- •We have successfully produced about 60 liters of ethanol, at 99.5% purity, out of one tonne of kitchen garbage(40% of the total amount of garbage collected by the city) and used paper (30% of that) by adding water, enzymes and yeast to induce glycation and fermentation. Now,5 tons is produced in one week
- •By meeting the Japanese Industrial Standards for dehydrating ethanol, it is possible to use it as an oil product.
- •Under a demonstration test to make a methane from the residual substance which extracted ethanol.
- •This project is implemented by the collaboration between Kyoto City, Kumamoto University, and Hitachi Zosen Corporation (Subsidized by the national government)

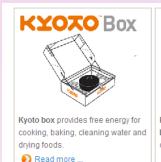


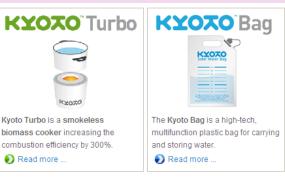


## Environmentally-friendly lifestyle

## "Kyoto" is Synonymous with "Eco"









### **Kyoto Products by Kyoto Energy Ltd.**



Lycee Kyoto(an environment-friendly high school in France)

## "DO YOU KYOTO?"

Are you doing something good for the environment?

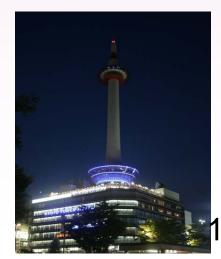
Commemorating the date of enactment of the Kyoto Protocol on February 16, 2005, City of Kyoto designated the 16th of every month as "DO YOU KYOTO? DAY"

(a day for doing something good for the environment).

## <For example>

"No- My-car Day" encourages citizens to refrain from using a private car.

"Light Down" is designed to dim the street lights.



# Garbage reduction Let's reduce refuse by half!

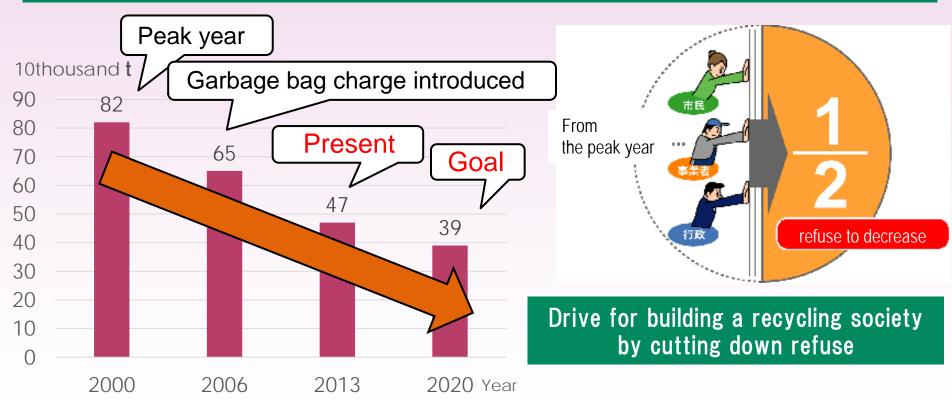


Reducing the total amount of garbage in Kyoto by 42% from the peak year (2000)

Kyoto City disposes of the least amount of garbage per person

among the 20 largest cities in Japan.

(Kyoto: 445g /capita /day Average of 19 other cities: 595g/capita/day)



- Reduction of refuse incineration plants (2004: 5 plants 2012: 3 plants)
- Cost reduction for garbage collection(2006: ¥ 9.4 billion 2013: ¥ 5.4 billion)

# International Corporation through ICLEI





### ICLEI – Local Governments for Sustainability

- ◆An international association of local governments and metropolitan and regional government organizations that have made a commitment to sustainable development. (Membership of more than 1,000 governments from 84 countries and regions)
- ◆It was established in 1990 in New York following a suggestion made by the local governments participating in the "World Conference on Sustainable Future" organized by the UN, and other international organizations such as UNEP and International Local Government Federation.
- ◆As an official consultative organization of the United Nations, it is active in advocating the successful practices and opinions provided by local governments at international conferences such as COP.
- ◆The ICLEI East Asia Regional Executive Committee Meeting was held in Suwon City, Korea in September 2013. The Committee members resolved to lead the local governments of East Asia for their environmental policies in light of the circumstance that 30% of greenhouse effect gas emitted in the world comes from East Asia.

# JCM Feasibility Studies of GHG Mitigation Projects Contributing to Low Carbon Old Capital based on City-to-City Cooperation between Vientiane and Kyoto

Support

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(Global Environment Centre Foundation (GEC), Kyoto City, Almec Corp., Mitsubishi Motors Corp. (MMC))

### **Kyoto City**

- The place where the Kyoto Protocol was adopted
- The historical and environmental model city implementing practical activities for sustainable development
  - Preserving cultural and historical heritages in a sustainable manner
  - Implementing advanced and creative environmental conservation
  - ➤ Achieving urban development and economic growth, with receiving a number of domestic and international tourists

### Vientiane Capital City (Lao PDR)

- The city with various historical and cultural heritages
- Emerging problems due to urbanization
  - ← caused by a lack of appropriate infrastructures to respond to rapid economic growth and increased tourists.
- Supports needed to resolve the problems in the Least Developed Country (LDC)
- In solving urban environmental problems, such as waste management.

#### Contents

### This project promotes the wide-spread of JCM projects in Vientiane Capital City.

- •Investigate the needs of Vientiane Capital City to achieve a Low Carbon Old Capital, implement JCM projects and develop the elements of the Plan for Low Carbon Old Capital.
- Provide comprehensively institutional and technological supports for sustainable development at international committees and workshops.
- Finding possible JCM projects (wide-spread and/or packaged types).

Establishment of operation & management schemes for the formulation of the Low Carbon Old Capital

JCM Feasibility
Studies

Following JCM project FS will be undertaken, with the expectation of early implementation and of wide diffusion, based on local needs.

• "The promotion of Electric Vehicles usage for taxi and government agencies"

### **Expected outcomes**

Environ ment

- The limitation of Greenhouse Gas emission and air pollution
- The appropriate management and recycling of waste
  - The conservation of historical and cultural heritages
  - Landscape preservation
    - The establishment of urban planning and transportation infrastructures
  - The development of tourist industry

Wide-scale JCM projects will be developed and implemented with the utilization of Kyoto experiences and Japanese advanced technologies, to build the Low Carbon Old Capital with the integration of 3 elements of sustainable development

Culture & History

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# "Eco-Life Challenge for Children" in Malaysia

With the cooperation of Kyoto City, the Iskandar Regional Development Authority in Malaysia has developed a training program modeled after "Eco-Life Challenge". In 2015, the program will be extended to all 198 schools in the

region.



The implementation situation in Kyoto City



Name:  Class:  School Name:
Name: Class: School Name:
School Name:
Group Name:
Teacher's Name:

Workbook

## Japan and China environmental technology information plaza







This plaza is going to be opened in friendship environmental conservation center in 2015 in Beijing. Positioning of the central facilities of the environmental education facilities which are 200 places in China. The plaza is support of the facilities administration, personnel training to be engaged in the environmental education, reporting about the environmental educations.

> "Kyoto ecology center" is a model of the plaza. **Kyoto Environmental Activities Association** supports it about personnel training and effective display







## Natural environment, arts and culture, food and hospitality of Kyoto





### World best cities by Travel + Leisure

#### • 2012年

Rank	Name	Score
1	Bangkok (Thailand)	89.87
2	Florence (Italy)	89.14
3	Istanbul (Turkey)	89.11
4	Cape Town(South Africa)	88.64
5	Sydney (Australia)	88.52
6	Rome (Italy)	88.49
7	New York (America)	88.12
8	Hong Kong(China)	88.03
9	Kyoto(Japan)	87.90
10	Paris (France)	87.67

#### • 2013年

Rank	Name	Score
1	Bangkok (Thailand)	90.40
2	Istanbul(Turkey)	89.96
3	Florence (Italy)	89.84
4	Cape Town(South Africa)	89.57
5	Kyoto(Japan)	89.31
6	Rome (Italy)	89.09
7	Charleston (America)	88.65
8	Barcelona (Spain)	88.45
9	Paris (France)	88.35
10	Chiang Mai (Thailand)	88.15

### • 2014年

順位	都市名	得点
1	Kyoto(Japan)	90.21
2	Charleston (America)	90.18
3	Florence (Italy)	89.99
4	Siem Reap(Cambodia)	89.82
5	Rome (Italy)	89.61
6	Istanbul(Turkey)	89.58
7	Seville (Spain)	89.28
8	Barcelona (Spain)	89.18
9	Mexico City (Mexico)	89.07
10	New Oleans (America)	88.74

Ranking system by the vote of its readers conducted for 19 years Two years ago, Kyoto entered the top 10, and this year it reached No.1 in the world.

#### — 「Travel + Leisure」—

Travel + Leisure is a monthly travel magazine which boasts its sale of one million copies. Most of its readers live in the North America. It is believed to be one of the most influential magazines in the world.

World Best Award is a popular vote by the readers started in 1995.

XKyoto was also voted No. 1 City in Asia by readers of Condé Nast Traveler, a specialist travel magazine of a major U.S. publishing house with a print volume of 800.000.

