

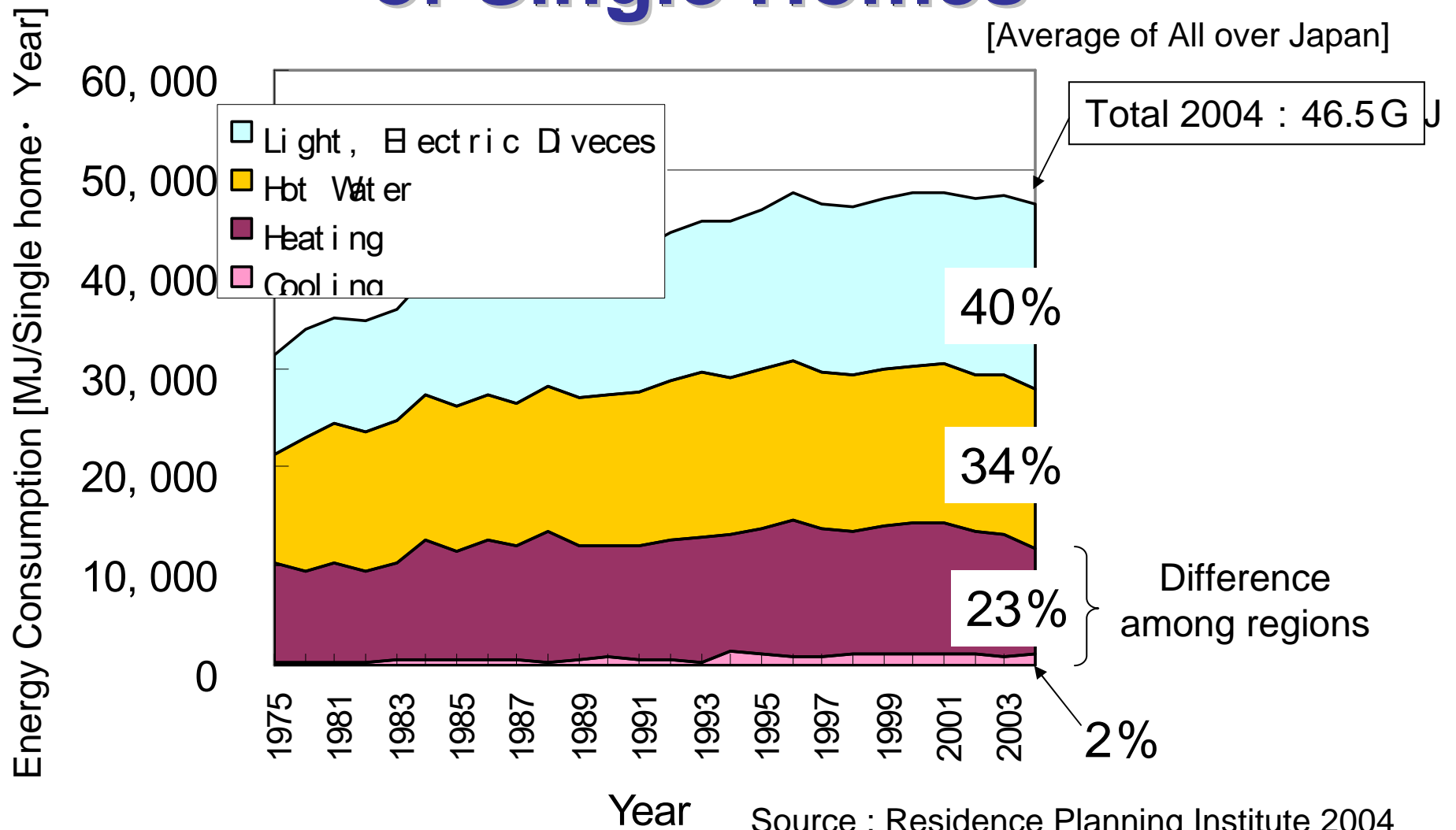
# Fuel Cell Potential and Expectations for Future Society

June 8, 2006

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Tokyo Gas Co., Ltd.

# Trends of Energy Consumption of Single Homes



# Specification of “LIFUEL”

Rated power: 1kW

Efficiency\*(electricity): 37%

(heat recovery): 50%

(total) : 87%

Turndown ratio: 30%

Hot water storage: 200L

Fuel: City gas (13A)

Primary Energy Reduction 32%

CO<sub>2</sub> Reduction 44%

\*LHV basis



Matsushita Electric Industrial Co.

Ebara Ballard Corp.

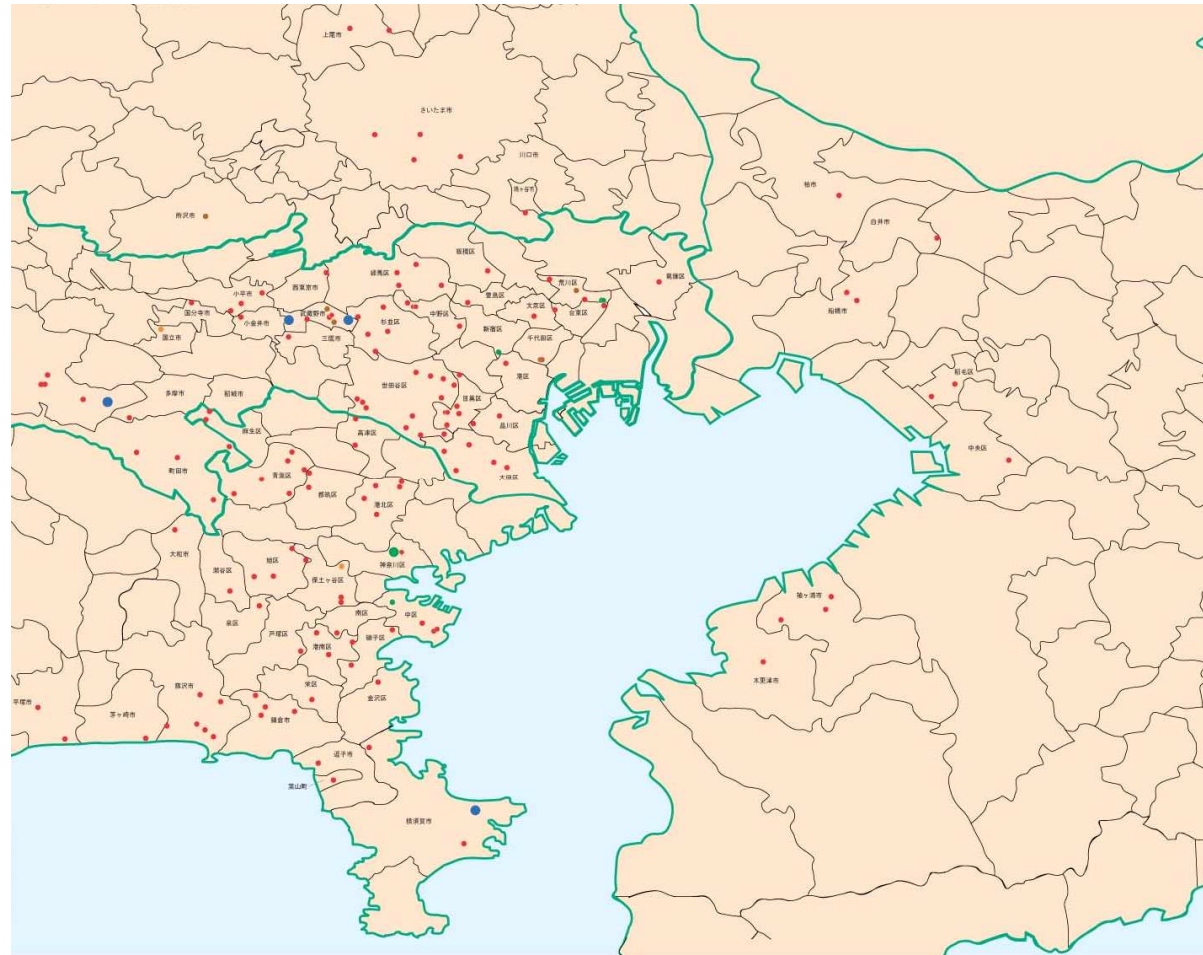
# 2005, the First Year of Fuel Cell!



**The first units were installed at the Prime Minister's official residence ( April 8, 2005 )**

# LIFUEL installation site map in Tokyo area

As of April, 2006  
200 LIFUEL INSTALLED

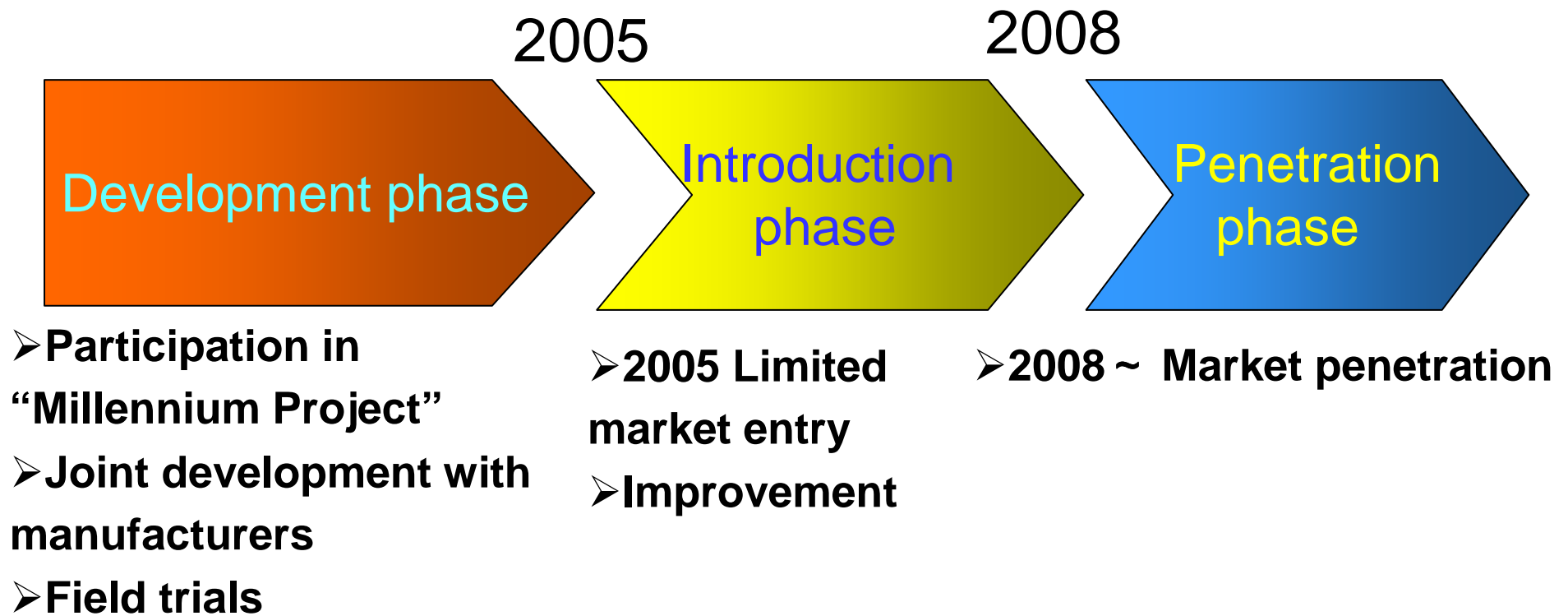


# Example of Operation (5/2005 – 9/2005)

**Electrical Efficiency (Ave.)** Over 33% (LHV)  
**Heat Recovery Efficiency (Ave.)** Over 50% (LHV)  
**Reduction of Primary Energy Consumption** Up to 15%



# Master Plan of Business Development of Residential Fuel Cells at Tokyo Gas



# In the coming future...

- Natural gas will be the most important “bridging” energy source toward sustainable society.
- Tokyo Gas will play a key role in promotion of CHP in various opportunities with emphasis on using natural gas as its feedstock.
- Tokyo Gas will take a leading role in transition to sustainable society.



***”Toward Sustainable Society ”***

***Thank you***