



# **Japan's Building Energy Policy Update**

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# New policies

- **Amended Energy Conservation Law**
  - Amended in May 2008
  - Mandatory report has applied for smaller housing/buildings (larger than 300 sqm)
  - Improvement orders and penalty imposed (larger than 2000 sqm)
  - “Top runner” standard for home builders
- **Urgent promotion grant for energy conservation of existing housing and buildings**
  - By supplemental budget of FY2008
- **Model project for CO2 reduction**
  - From FY2008

# Model Project for CO2 reduction

## ~ overview (1) ~

- A subsidy scheme
- For leading housing or building projects with progressive and effective low carbon technology
- Budget:
  - FY2009: JPY 7,000,000,000 = USD 70 million
  - FY2008: JPY 5,000,000,000 = USD 50 million

# Model Project for CO2 reduction

## ~ overview (2) ~

- **Target:**

A housing or building project which meets the following criteria, and is judged to effectively contribute CO2 emission reduction.

- A project which introduces a leading, CO2 emission reduction technology in terms of material, equipment, design, operation system and others. (Requested to submit CASBEE or an equivalent evaluation result)
- In case of new construction, a house or building which meets Energy Efficiency Standard under Energy Conservation Law.

# Model Project for CO2 reduction

## ~ overview (3) ~

- **Target:** regardless of building use

**I-1 Newly constructed housing**

**I-2 Newly constructed buildings**

**II Upgrade of existing housing or buildings**

**III Introduction of management system for CO2 reduction**

**IV Verification of CO2 reduction technology**

**Housing (detached)**

**Housing (apartment)**

**Home builders for built-for-sale detached houses**

**Small private housing contractors**

**New from 2009**

# Model Project for CO2 reduction

## ~ overview (4) ~

- **Recipients:**
  - Private enterprise which is chosen by public offering process
- **Subsidy rate:**
  - 1/2
- **Cost covered:**
  - For survey, design and planning
  - For introduction of housing/building structure and equipment for leading low carbon technology
  - For verification of the effectiveness

# Model Project for CO2 reduction

## ~ overview (5) ~

- Applicants (FY2008): 155 projects
- Recipients (FY2008): 21 projects in total
  - New construction
    - Non-residential buildings: 9
    - Housing (apartment): 1
    - Housing (detached): 7
  - Upgrading
    - Non-residential buildings: 2
  - Management: 2

# **Model Project for CO2 reduction ~ New scheme from FY2009 (1) ~**

## **Home builders for built-for-sale detached houses**

- **Newly construct built-for-sale detached houses**
- **By a home builder which provide the average of more than 150 detached built-for-sale houses annually in the recent three years**
- **The houses meet the newly introduced “top runner” standard for home builders**
- **Needs to provide more than 10 proposed houses**
- **Needs to start the project in FY2009**
- **Needs to be a house which is well and holistically planned to have a excellent environmental performance (Need for submitting CASBEE or an equivalent evaluation result)**

# **Model Project for CO2 reduction ~ New scheme from FY2009 (1) ~**

**Home builders for built-for-sale detached houses**

- **1/2 of the cost which needs to provide better energy performance than the normal built-for-sale houses**
- **Up to JPY1,000,000 = USD 10,000 per housing unit**

# **Model Project for CO2 reduction**

## **~ New scheme from FY2009 (2) ~**

### **Small private housing contractors**

- **Newly construct detached house projects (either built-for-sale or by contract) which are built by a following home builder or a group of home builders**
  - **Providing the average of less than 50 detached built-for-sale houses annually in the recent three years**
- **The houses need to meet the Energy Efficiency Standard under the Energy Conservation Law**
- **Needs to provide more than 10 proposed houses**
- **Needs to start the project in FY2009**
- **Needs to be a house which is well and holistically planned to have a excellent environmental performance (Need for submitting CASBEE or an equivalent evaluation result)**



# **Model Project for CO2 reduction**

## **~ New scheme from FY2009 (2) ~**

### **Small private housing contractors**

- **1/2 of the cost which needs to provide better energy performance than the normal built-for-sale houses**
- **Up to JPY 800,000 = USD 8,000 per housing unit**