

For immediate release

Mitsui Fudosan Residential Co., Ltd.
Tokyo Gas Co., Ltd.**Achieved Cumulative Sales of 1,000 Mitsui “Fine Court” Detached Houses
with Residential Fuel Cell Systems“ ENE- FARM” from Tokyo Gas**

~All Properties in Tokyo will install ENE-FARM with Continuous Power Supply Function Embedded for
Power Outages~

(Tokyo, Japan, October 31, 2016) Mitsui Fudosan Residential Co., Ltd., a leading housing company headquartered in Tokyo, announced today that the cumulative number of housing units sold in the “Fine Court” series of new, built-for-sale detached houses from Mitsui Fudosan Residential with ENE- FARM residential fuel cell systems reached 1,000 units on October 27.

Since March 2014, Mitsui Fudosan Residential has installed ENE- FARM systems sold by Tokyo Gas Co., Ltd. (President: Michiaki Hirose) on all Fine Court houses which have supplied within Tokyo Gas’ city gas service area in Tokyo and Kanagawa, Chiba and Saitama prefectures to promote contributions to society and the global environment. Equipping 1,000 houses with ENE- FARM systems reduces household CO₂ emissions by approximately 1,200 tons^{*1} annually, which is equivalent to the amount reduced by approximately 1,500 hybrid vehicles^{*2}.

Mitsui Fudosan Residential has long emphasized disaster preparedness in its product planning, but as customer awareness of the issue has increased and the Tokyo Metropolitan Government has advanced the issue of greater self-sufficiency in an emergency, the company has decided to install ENE FARM systems with a continuous power supply function on all houses supplied within Tokyo Gas’ city gas service area in Tokyo to continue earning the support of customers going forward. The continuous power supply function embedded in the ENE- FARM systems to be adopted enables 500 W or less of power to be used for lamps, television, mobile phone rechargers and other applications when ENE- FARM is generating power during power outages by using a dedicated outlet for up to approximately four days (96 hours). The power can also be used for showers or floor heating during outages^{*3}. Adoption of the system will commence on a rolling basis, beginning with properties for which design started in August 2016 (with some exceptions).

There is strong social demand for dispersed energy systems like ENE- FARM, not only from the standpoint of the global environment—energy conservation and reduced CO₂—but also from the perspective of disaster preparedness. By continuing to install ENE- FARM systems, Mitsui Fudosan Residential and Tokyo Gas will promote further contributions to society and the global environment.

■ Product Exterior (ENE- FARM model with separate backup boiler)



*1: Tokyo Gas estimates

1) CO₂ emissions factors: Electricity 0.65 kg-CO₂/kWh (average thermal power factor for FY2013 in “Plan for Global Warming Countermeasures (May 2016)”); gas 2.29 kg-CO₂/m³ (Tokyo Gas data)

2) Based on detached house (total floor area 120 m²) for a family of four. Annual load: Hot water supply: 16.6 GJ; bathtub temperature control: 1.3 GJ; cooking: 2.2 GJ; air conditioning: 6.4 GJ; floor heating: 12.7 GJ; heating (via air conditioner): 5.5 GJ; lighting, other: 12.5 GJ

3) Power demand for gas/electric house (with conventional system): 4,223 kWh (including power consumption by gas hot water/heating system)

4) Devices used/Conventional system: Gas hot water/heating system gas hot water floor heating (living room), gas cooking appliance; heating and cooling for rooms other than living rooms use electric air conditioners

ENE- FARM: ENE- FARM, gas hot water floor heating (living room), gas cooking appliance; heating and cooling for rooms other than living rooms use electric air conditioners

5) CO₂ emissions figures are rounded, so totals may not match.

*2: Tokyo Gas estimates

1) Comparison of CO₂ emissions of gas-powered vehicle and hybrid vehicle when driven 10,000 km annually

2) CO₂ emissions of gas-powered vehicle of 2.32 kg-CO₂/l (from Jan. 2014 data in “List of Calculating Methods and Emissions Factors for Calculation, Reporting and Disclosure System” issued by the Ministry of the Environment)

3) Fuel economy: Tokyo Gas estimates with 30 km/l for hybrid vehicle and 15 km/l for gas-powered vehicle (from Mar. 2014 data in “Automobile Fuel Economy List” issued by the Ministry of Land, Infrastructure, Transport and Tourism”

*3: City gas and water must be available for ENE- FARM to generate electricity during power outages. Hot water and heaters connected to ENE- FARM can be used during power outages.