



May 20, 2021

To whom it may concern

TOKAI Holdings Corporation Katsuhiko Tokita, President & CEO (Code No. 3167 Tokyo Stock Exchange First Section)

Formulation of the "Carbon Neutrality Vision"

TOKAI Holdings Corporation today announced the formulation of "Carbon Neutrality Vision."

Under the corporate philosophy, "For customers' livelihood along with the region, together with the earth, we will continue to grow and develop," the TOKAI Group has been working to expand the use of clean gas and to promote the use of high efficiency gas equipment. In response to the growing social demand for measures to cope with global warming, we will further promote the use of environmentally friendly energy equipment. We will also utilize renewable energy and electric vehicles in our business activities, and achieve carbon neutrality by 2050.

- 1. By promoting carbon neutralization of gas with the introduction of innovative technologies The TOKAI Group will achieve carbon neutrality by 2050
- 2. By making efforts to reduce CO2 emissions even before the introduction of innovative technologies, In 2030, the TOKAI Group will
 - (1) Reduce household gas CO2 emissions by 170,000 tons (Equivalent to 50% of household gas CO2 emissions of 360,000 tons in FY2020)
 - i. Reduce CO2 emissions by 70,000 tons through the widespread use of high efficiency gas equipment and others
 - ii. Reduce CO2 emissions by further 100,000 tons by facilitating the residential installation of solar power systems
 - (2) Reduce CO2 emissions generated from its operating activities by 13,000 tons (Equivalent to 70% of CO2 emissions of 18,000 tons in FY2020)
- 3. Decarbonization is not a constraint or cost but an opportunity for future growth
 - (1) The TOKAI Group will promote decarbonization of households that combine renewable energy with high efficiency gas equipment and storage batteries.

 The Group will also propose new energy utilization compatible with carbon neutrality
 - (2) Gas continues to play an important role for resilience such as disaster response

The TOKAI Group will continue to promote efforts to achieve carbon neutrality and contribute to resolving social issues such as climate change as a company that supports the comfortable lives of local communities.

For details, please refer to the attached "TOKAI Group's Carbon Neutrality Vision."

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TOKAI Group

Carbon Neutrality Vision



TOKAI Holdings Corporation

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Policy for Carbon Neutrality Initiatives

- 1. By promoting carbon neutralization of gas with the introduction of innovative technologies, The TOKAI Group will achieve carbon neutrality by 2050.
- By making efforts to reduce CO2 emissions even before the introduction of innovative technologies, In 2030, the TOKAI Group will
 - (1) Reduce household gas CO2 emissions by 170,000 tons.

(Equivalent to 50% of household gas CO2 emissions of 360,000 tons in FY2020)

- i) Reduce CO2 emissions by 70,000 tons through the widespread use of high efficiency gas equipment.
- ii) Reduce CO2 emissions by 100,000 tons by facilitating the residential installation of solar power systems.
- (2) Reduce CO2 emissions generated from its operating activities by 13,000 tons.

(Equivalent to 70% of CO2 emissions of 18,000 tons in FY2020)

- 3. Decarbonization is not a constraint or cost but an opportunity for future growth.
 - (1) The TOKAI Group will promote decarbonization of households that combine renewable energy with high efficiency gas equipment and storage batteries.
 - The Group will also propose new energy utilization compatible with carbon neutrality.
 - (2) Gas continues to play an important role for resilience such as disaster response.

2050 Achieve carbon neutrality

Carbon Neutrality Vision (Framework)

2050 Carbon neutrality

2050

· Achieve carbon neutrality with the introduction of innovative technologies

2030

- Make active efforts to reduce CO2 emissions even before the introduction of innovative technologies
- · However, gas continues to play an important role for resilience such as disaster response

Development of electric power business

Start of retail electricity business

Sale by agent → T&T Energy

Promotion of combined sales of electricity and gas

Use of renewable energy power sources

- · Development of renewable energy power sources
- · Sales of Eco Plan

Reduction of household gas CO2 emissions

- Expansion of the use of high efficiency gas
- Eco Jozu (High-efficiency water heater)
- ENE FARM (Household fuel cell cogeneration system)
- Expansion of the use of residential solar power system
- PPA (Power Purchase Agreement) Model
- Expansion of the use of electric equipment
- · Storage battery
- · Electric vehicle
- Carbon neutralization in housing
- · ZEH, OTS

Reduction of CO2 emissions in operating activities

- Reduction of CO2 emissions at Group
- Solar power and electric vehicle
- Use of renewable energy for electricity
 Utilization of ABCIR+S
- · Automatic meter reading and delivery route

2030

- (1) Promote the reduction of household gas CO2 emissions (Equivalent to 50% of
 - household CO2 emissions) i) High efficiency gas equipment and others

Reduce 70,000 tons

- ii) Residential solar power system Reduce 100,000 tons
- (2) Reduce CO2 emissions generated from its operating activities by 13.000 tons (Equivalent to 70% of CO2 emissions from its operating

activities)

Contribute to the reduction of CO2 emissions through the use of renewable

energy power sources

Achievement of Carbon Neutrality

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- The Japan LP Gas Association promotes research and development of carbon neutral LP gas in the "Green LP Gas Study Group." They aim to achieve carbon neutralization of LP gas by 2050 with the introduction of innovative technologies such as propanation^{*1} and bio LP gas*2.
- In the city gas business, research and development of methanation and CCUS (Carbon dioxide Capture, Utilization and Storage)*3 have been promoted to achieve carbon neutralization of city gas in 2050.
- The TOKAI Group actively cooperates with the gas industry initiatives from the standpoint of a retailer that sells gas to customers. We will decarbonize gas sold through the procurement and sale of carbon neutral gas, and will achieve carbon neutrality by 2050.

^{*1} Technology to synthesize propane artificially from hydrogen and carbon dioxide

^{*2} Technology to generate propane from livestock manure and others

^{*3} Technology to separate, recover, use and store carbon dioxide

Electric

vehicle

Measures to Reduce Household Gas CO2 Emissions

- By making active efforts for decarbonization and low carbonization even before the introduction of innovative technologies, the TOKAI Group will intend to significantly reduce CO2 emissions by 2030.
 - However, energy supply requires resilience at the time of a disaster such as earthquakes and typhoons. Gas energy continues to play an important role in the stable energy supply.
- We will reduce household gas CO2 emissions by 70,000 tons by Eco Jozu and others. We will also promote the use of residential solar power systems, storage batteries, electric vehicles, and other electric

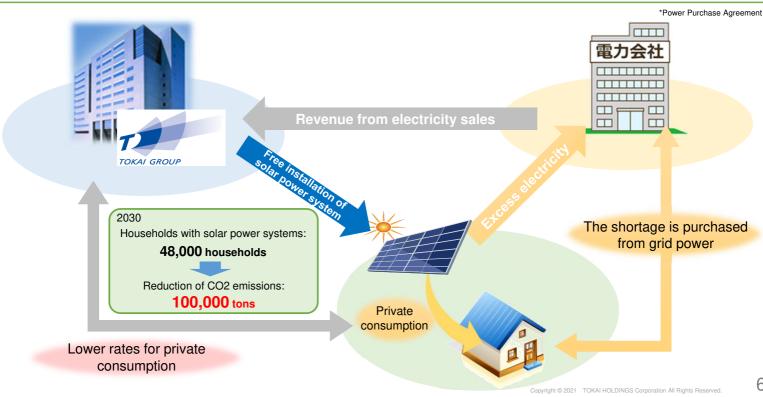


Contribution to the efficient use of electricity

Proposal of plans combining storage battery and electric vehicle duction of CO2 emissions by 70,000 tons through the promotion of use of high efficiency Reduction of CO2 en sions by 100,000 tons (360,000 tons) by facilitating th esidential installation of solar power systems CO2 emissions

May 20, 2021 PPA Model for Promotion of Solar Power Systems

- We use PPA Model* to promote the use of solar power systems. In the PPA model, providers install solar power generation equipment at houses free of charge to enable sale of excess electricity (FIT) and supply cheaper electricity for private consumption.
- We will reduce CO2 emissions by 100,000 tons by 2030 by installing solar power systems at 48,000 households.



Carbon Neutralization in Residences

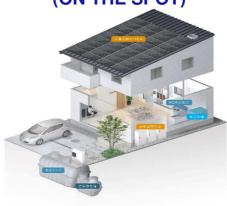
- We promote the installation of gas equipment and residential solar power systems that will lead to reduction of CO2 emissions, and advance initiatives to realize CN for the entire house.
- As a home seller, we have been working on Zero Energy House (ZEH) from early on, but last year we developed and launched OTS House, which is self-sufficient in water and electricity.

ZEH (Net Zero Energy House)



A house whose annual energy consumption balance comes out even by improving the insulation and airtightness, reducing "energy used" through a variety of eco technologies, and "creating energy" by solar power

OTS House (ON THE SPOT)

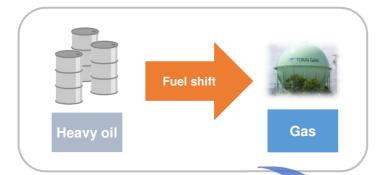


A house that is completely self-sufficient in water and electricity, so that it is possible to live a normal life even in the event of a power failure or water outage due to a natural disaster

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Reduction of Industrial and Business Gas CO2 Emissions

- We will cut down customers' expenses and reduce CO2 emissions (equivalent to 8,000 tons) by promoting the shift to gas fueling, cogeneration and installation of GHP.
- We will propose the reduction of CO2 emissions also to industries and business customers that use gas.



Installation of energy-saving equipment





Cogeneration

Steam boiler

Reduction of CO2 emissions and improvement of energy efficiency

Cost reduction



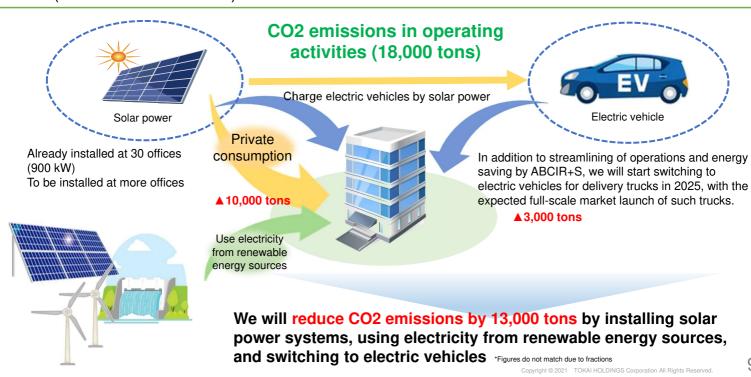
Reduction of CO2 emissions

Equivalent to 8,000 tons

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Use of Renewable Energy and Introduction of Electric Vehicles at Group Offices

For the CO2 emissions of 18,000 tons from our operating activities, we will reduce them by 10,000 tons in 2030 by installing solar power systems at Group offices and using electricity from renewable energy sources. In addition, we will switch to electric vehicles given the advancement of technological innovations and aim to reduce the CO2 emissions by 3,000 tons (70% reduction in total).



Reduction of CO2 Emissions by ABCIR+S

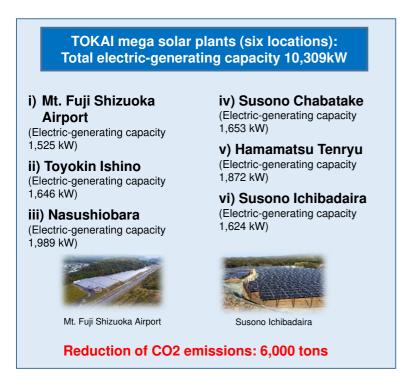
By promoting automatic meter reading using LPWA* terminals and analyzing the obtained

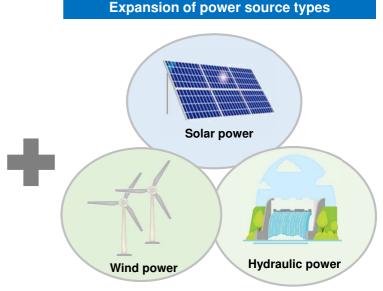
meter reading data using AI, we can improve the efficiency of delivery operations, such as optimizing delivery timing and routes, and thus reduce CO2 emissions by 1,000 tons.

*Low Power Wide Area: Technology that enables long distance and wide range communications with low power consumption LPWA automatic meter reading Al delivery forecast **Delivery timing Delivery route** optimization optimization _ • Improvement of delivery efficiency by tracking remaining volume through hourly Optimization of meter reading delivery route with AI forecasting sapiens **New enterprise LPG My Page** Advancement of call centers system Automation **Paperless** My Page operation Web Meter Check **Reduction of CO2 emissions** No more mailing of meter reading slips with **▲1,000 tons** the launch of My Page Efficient operation right © 2021 TOKAI HOLDINGS Corporation All Rights Reserved

Development of Renewable Energy Power Sources

- We already have six mega solar plants and are engaged in solar power generation business.
 (▲6,000 tons)
- We will continue to identify solar power, wind power, and small hydro power projects to contribute to the promotion of renewable energy power generation.





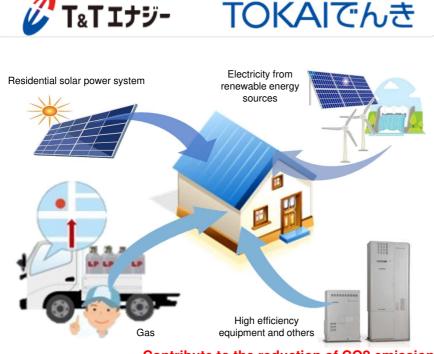
Promote renewable energy power generation

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Proposal for Optimal Energy Use for Electricity and Gas

- T&T Energy started retail electricity business in January 2020.
- We promote Eco Plan that uses renewable energy power sources and the introduction of distributed renewable energy power generation (PPA), thereby contributing to the reduction of CO2 emissions. In addition, we propose total solutions for optimum energy use that combines gas and electricity.



Contribute to the reduction of CO2 emissions

Proposals for electricity

- Eco Plan utilizing renewable energy sources
- Distributed renewable energy power generation (PPA)

Proposals for gas

- Proposal of energy use that combines a residential solar power system, storage battery, hybrid water heater and others
- Response to disasters and power outages