Electricity Business

Business Overview

The electricity retail business is expanding. We are providing electricity fee plans using renewable energy and a Company-oriented Solar Power Generation On-site Service.

The number of electricity customers increased by 62,000 to a total of 576,000 at the end of FY2022, with a sales volume of 2.37 billion kWh yielding a 51.5% year-on-year increase in sales to 108.2 billion yen but resulting in an operating loss of 10.5 billion yen due to increased procurement costs.

	2020	2021	2022
Net Sales (billion yen)	48.3	71.4	108.2
Operating Income (billion yen)	△2.9	2.4	△10.5
Electricity Sales Volume (billion kWh)	1.60	2.13	2.37

Strengthening our electricity business

As we work to build our reputation in our service territories as a rock-solid provider of energy, strengthening our electricity business as one of the diverse sources of energy we offer to our customers is a priority. We are also making every effort to lower or completely decarbonize our electric power sources and expand our electric services so that customers will choose Toho Gas electricity.

Procuring a stable supply of electric power

In addition to our own power sources such as the Yokkaichi Power Station, we procure a stable supply of electric power by combining several methods of procurement. We will also install large-scale storage batteries (grid storage batteries) that connect directly to the power grid. We are promoting initiatives to increase our in-house power sources, including studying the feasibility of acquiring large-scale power sources and the use of VPPs and storage batteries. Even as we diversify our electric power sources, we are working steadily to expand development and procurement of renewable energy sources in order to achieve our targets for volume of renewable energy sources handled.


Yokkaichi Power Station


Tsu Power Station (under construction)

Low-carbonize/decarbonize electricity

Expansion of renewable energy power sources

We are promoting the development and procurement of diverse sources of electric power, including solar and biomass as well as onshore and offshore wind power, while strengthening our system to stabilize the operation and management of power plants.

Electricity services

We offer a service menu that utilizes renewable and other energy sources to contribute to the low-carbon and decarbonization of electricity. And we are expanding that service menu to promote the efficient use of energy.

Green Eco Plan for Home Use

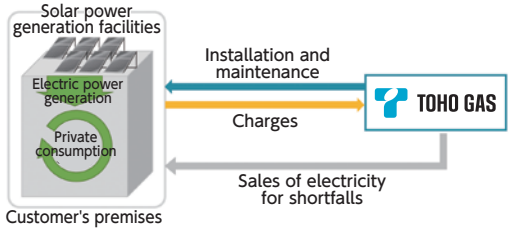
The Green Eco Plan for Home Use is an electricity rate plan utilizing electricity supplied from renewable energy sources with virtually zero CO_2 emissions. And we use non-fossil certificates derived from renewable energy sources.

For a home using 300 kWh of electricity per month (3,600 kWh/year), this amounts to a reduction equivalent to the CO_2 absorbed by about 100 cedar trees in one year.

*The carbon storage capacity per hectare of 50-year cedar trees in a planted forest is estimated to be 170 tons or about 190 kg of carbon per tree. Dividing 190 kg by 50 years, we can say that each tree is estimated to absorb about 3.8 kg of carbon or about 14 kg of CO_2 per year. (Source: Forestry Agency, Absorption of Carbon Dioxide by Forests)
*CO_2 emission coefficient is estimated to be 0.000462 tonnes of CO_2/kWh (national average for FY 2018)

On-Site Solar Power Generation Services for Corporations

This service enables a business to install, own, maintain, and manages solar power generation facilities on their own premises as an electric power supply for their own facilities. It also provides the customer with a renewable energy source that does not generate CO_2 emissions for an initial investment of zero yen.



Residential demand response service —Energy saving challenge

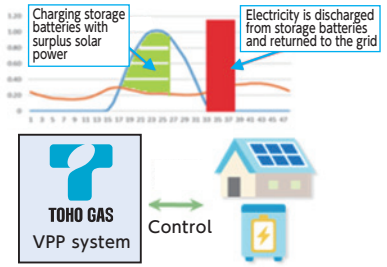
Toho Gas is offering rewards commensurate with the amount of energy saved to customers who respond to requests for energy savings made through the Club TOHOGAS app during the designated time period.

Screenshot of a typical energy saving challenge request

*The Ministry of Economy, Trade and Industry surveys, evaluates, and publicizes the level of information and services provided by electric and gas utilities to consumers in promoting energy efficiency and conservation.

Trial operation of VPP for residential use

We working on a plan to contribute to the availability of renewable energy by building virtual power plants (VPP) utilizing storage batteries and other means for residential customers, thereby increasing their contribution to the supply-demand balance of electricity.



Conceptual diagram of VPP trial operation (control of solar power generation and storage batteries)