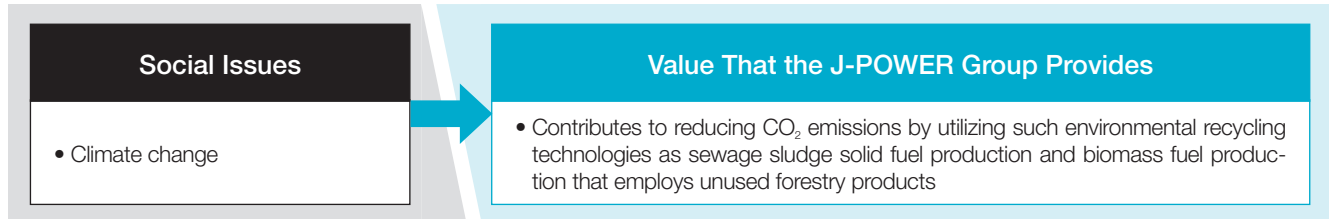


# Other Business

Aiming to fully utilize the management resources and know-how at its disposal, the J-POWER Group operates multifaceted businesses, including environment-related businesses involving the production of carbonized fuel from sewage sludge for use as biomass fuel at coal-fired thermal power plants. In addition, the Company is active in innovative power businesses, such as waste power generation and cogeneration systems, and provides technical consulting services in Japan.



## Examples of Biomass Fuels

Sewage sludge fuel



Wood pellets



## Main Projects under Other Business (As of March 31, 2020)

Project Name	Location	Business	Ownership	Year Operation Commenced
Miyazaki Wood Pellet Project	Miyazaki Prefecture	Demonstration business of an integrated system from the construction of manufacturing facilities to the production of wood pellets from unused forest offcuts and their use in mixed combustion in J-POWER's coal-fired thermal power plants (Pellet production capacity: 25,000 t/year)	98.3%	2011
Osaka City Hirano Sewage Treatment Plant/Sludge Solid Fuel Project	Osaka Prefecture	Integrated PFI-type <sup>1</sup> sewage sludge-based biofuel recycling project, from the construction of biofuel manufacturing facilities to mixed combustion in J-POWER's coal-fired thermal power plants and others (Sludge processing capacity: 150 t/day)	60%	2014
Omuta Waste-Fueled Power Plant	Fukuoka Prefecture	Recycling power generation using solid refuse derived fuel (RDF) made by compressing and forming general waste (Generating capacity: 20.6 MW, RDF processing capacity: 315 t/day)	45.2%	2002
Mikasagawa-Nakagawa Regional Sewerage/Mikasagawa Sewage Treatment Plant/Sewage Sludge Solid Fuel Project	Fukuoka Prefecture	Integrated DBO-type <sup>2</sup> sewage sludge-based biofuel recycling project, from the construction of biofuel manufacturing facilities to mixed combustion in J-POWER's coal-fired thermal power plants and others (Sludge processing capacity: 100 t/day)	44%	2019

5 other projects

1. PFI (Private Finance Initiative): A method of conducting public-sector projects from construction through the operating stages by drawing on private-sector funding, management know-how, technology, and other resources

2. DBO (Design, Build, Operate): A system whereby the public sector finances projects and then commissions the private sector to undertake their design, building, and operation

## 2019 Initiatives

J-POWER, Tsukishima Kikai Co., Ltd., and Mikasa Co., Ltd. jointly formed an agreement with Fukuoka Prefecture to conduct the Mikasagawa-Nakagawa Regional Sewerage/Mikasagawa Sewage Treatment Plant/Sewage Sludge Solid Fuel Project. The sewage

sludge-based fuel manufacturing facilities constructed and prepared under this agreement began operation in April 2019.

The fuel produced at these facilities will be used in mixed combustion at J-POWER's coal-fired thermal power plants.

## Business Overview

