



Power Network Company

Providing electric power network services

We will bring our services to provide high-quality electricity in a safe, affordable, and stable manner to even higher levels to support the development of the local communities and society.



Yaoji Ichikawa

President
Power Network Company





In any era, our mission to deliver high-quality electricity in a safe, affordable, and stable manner remains the same. Although the flow of electricity is changing in a variety of ways due to, for example, the massive introduction of renewable energy, we strive to realize a stable power supply in the new era by seeking the advancement of facility formation and system operations and maintenance using advanced technologies such as IoT.

In response to a series of large-scale disasters in FY2018, we are also strengthening resilience, which is the basis of power transmission and distribution business. Based on the action plan we have developed, we will do our best to accomplish our unwavering mission of stable power supply and public safety protection, even during a large-scale disaster.

We recognize the need to continue to adopt new approaches without being confined by old approaches especially because we are in the middle of major changes in the business environment, including the legal unbundling of the power transmission/distribution sector in 2020. On one hand, we will continue to strive to reduce electricity rates by improving the efficiency in business operations. On the other hand, we will aim to construct the Community Support Infrastructure necessary for the provision of “new forms of community” by making the most of the resources located throughout the Chubu region.

Group assets

Power transmission/distribution facilities

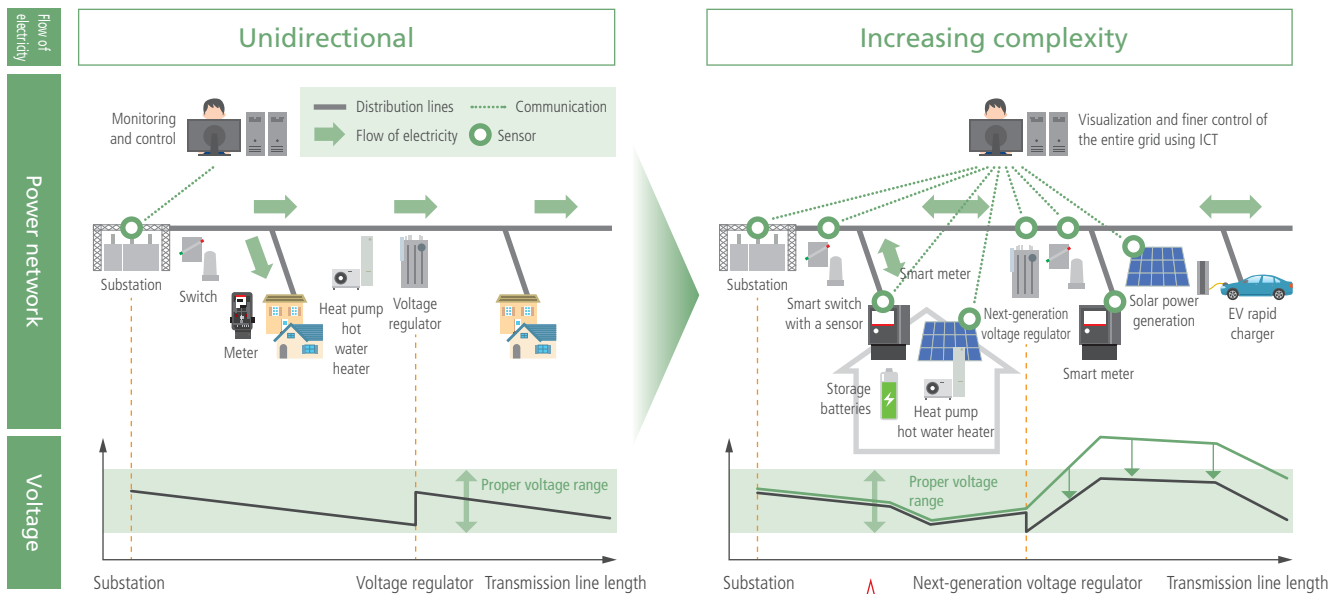
	Transmission line length	12,099 km
	Number of supporting structures (iron tower, etc.)	35,604 units
	Number of substations	936 locations
	Capacity of substations	125.428 million kVA
	Transmission line length	134,693 km
	Number of supporting structures (utility poles, etc.)	2,834,318 units
	Communication lines	52,725 km
	Number of smart meter units installed	5.572 million units

275kV Toshin Shin-Hokushin

(As of March 31, 2019)

Advancement of power network

With the increasing popularization of decentralized resources such as renewable energy and electric vehicles (EVs), the flow of electricity in the power network is becoming increasingly complex. We will develop a more advanced power network using advanced technologies such as IoT to achieve optimal operations.



We will deploy next-generation equipment, such as smart meters, switches with a sensor, and voltage regulators capable of high-speed remote control, and will introduce systems to monitor and control them at full scale in a phased manner starting from FY2021.

Initiatives to strengthen resilience

As part of our efforts to strengthen resilience, we will steadily implement the action plan we developed following a series of large-scale disasters that occurred in FY2018. We will also ensure the effective implementation of individual measures to strengthen resilience through training.

See page 58 for the action plan.

Case example 1

Development of a power outage information app

We provide the smartphone app “Power Outage Information Service” to quickly provide customers with power outage and recovery status information. We are also working to strengthen information dissemination to customers by, for example, accepting and answering inquiries about electrical facilities from customers via chat.

Power Outage Information Service



Case example 2

Use of drone patrols

In FY2018, we have deployed drones at all our operation sites to strengthen the patrol capability in the event of a large-scale disaster. In the future, we will accelerate the development of a more advanced drone patrol capability with which we can assess damage in its early stages at places where human approach is difficult due to fallen trees and landslides, aiming to expedite the early recovery of the damaged part.

