

## **FUJITSU Climate and Energy Vision**

We, based on The Fujitsu Group Medium/Long-term Environmental Vision “FUJITSU Climate and Energy Vision”, establish the target to reduce GHG (greenhouse gas) emissions, and take actions on climate change.

### **Actions in Fujitsu Group**

As an international framework of measures against global warming starting in 2020, Paris Agreement, which sets a goal of limiting the rise in global average temperature to less than 2°C above the average temperature prior to the industrial revolution, come into effect in November 2016. In order to achieve this, a shift to a decarbonized society will be necessary beginning in 2050.

On the other hand, various changes are taking place in global market as well, and it is expected that regulations on CO<sub>2</sub> emissions will be tighten and other carbon pricing will be applied to more countries, and carbon taxes will rise sharply. In addition, investment taking into account Environmental, Social and Governance (ESG) factors is expanding, which is also exerting a significant influence on market rules.

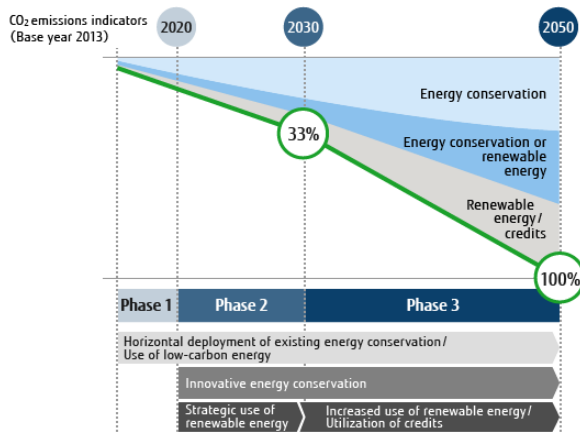
We, Fujitsu Group, established “FUJITSU Climate and Energy Vision” having 3 pillars, namely, “Our Business: Achieve Zero CO<sub>2</sub> emissions”, “Mitigation: Contribute to Decarbonized Society” and “Adaption: Contribute to Measures in Society to Adapt to Climate Change”, and take actions. (Details: <https://www.fujitsu.com/global/microsite/fujitsu-climate-and-energy-vision/>)



### **The Fujitsu Group Medium/Long-term Environmental Vision**



### **The Roadmap to Reduce the Fujitsu Group's CO<sub>2</sub> Emissions to Zero by 2050**

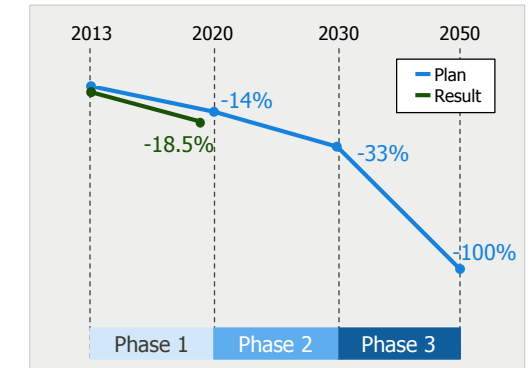


### **Actions in Fujitsu Frontech Group**

In Phase 1 from 2013 until 2020 (To reduce CO<sub>2</sub> emissions to 14% versus 2013.), as of the end of 2019, we have been able to reduce CO<sub>2</sub> emissions to 18.5% inside Japan owing to the facility replacement like LED lightings and highly energy-efficient environmental test chambers.

In Phase 2 from 2021 until 2030 (To reduce CO<sub>2</sub> emissions to 33% versus 2013.), we are planning to introduce renewable energy as well as energy efficient facilities, because we need more drastic countermeasures to achieve the target in the whole Group.

### **Result of Phase 1**



[Scope of the above graph] Headquarters / Tokyo Plant, Niigata Plant, Kumagaya SSC

### **Introduction of “fuel cell power generators”**

We introduced in Kumagaya SSC, solid oxide fuel cell (SOFC) generators, which are eco-friendly, and have just started operating them since the end of January 2020. This system enables us not only to generate about 50% of electricity consumed there, but to reduce CO<sub>2</sub> emissions to 35% or so compared to the case if we procure 100% of electricity from an electric power company.



Fuel cell power generators (Kumagaya SSC)

### **Purchase of renewable energy (FFNA: U.S.A.)**

FFNA, our Group company outside Japan, purchases wind energy equivalent to 24 MWh as a part of contracted power annually, to facilitate introducing clean energy.

(Details: <https://www.fujitsu.com/jp/group/frontech/en/about/sustainability/environment/climate-action/>)