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<Press Release>

**Nakoso IGCC has started commercial operation
Protesting the operation of new coal-fired power plants that accelerate the climate crisis**

April 23, 2021

Kiko Network

Mie Asaoka, President

Nakoso IGCC Power GK announced that the Nakoso IGCC Power Plant (525 MW) began commercial operation on April 16, 2021. This plant, located in the city of Iwaki, Fukushima Prefecture, uses IGCC (Integrated Coal Gasification Combined Cycle) technology. While the company insists that "IGCC has the highest efficiency, with approximately 48 % (LHV)," there is no doubt that this power plant is harmful to the climate, with projected emissions of 2.62 million tons of CO₂ per year (as written in the plant's environmental impact assessment documents). Therefore Kiko Network strongly protests the operation of the Nakoso IGCC power plant.

In order to achieve the 1.5°C goal of the Paris Agreement, it is essential to completely phase out all coal-fired power plants in developed countries by 2030. Thus, it is necessary to stop all new construction plans and gradually decommission existing plants, and IGCC plants are no exception. However, businesses entities such as TEPCO are promoting what they call "the world's most advanced coal-fired power plants" with the aim of creating an industrial base and employment opportunities to support the economic recovery of Fukushima Prefecture with the development of advanced thermal power technology. The Nakoso IGCC is one of these plants, with another identical project in Fukushima, the IGCC Hirono power station (543 MW, developed by Hirono IGCC Power GK), planned to start operation in FY2021. In addition to these, many other coal-fired power plants are under construction in Japan (see table below). If all of Japan's coal-fired power plants currently in the pipeline begin operation, the estimated annual emissions will be more than 40 million tons CO₂, or 3.4% of Japan's total GHG emissions.

Kiko Network requests entities involved in coal-fired power generation to cancel all plans for new plants, including those in the construction stage. As the severity of the climate crisis increases, now is the time to set target years for the retirement of each coal-fired power plant, to establish a concrete phase-out process, and to steadily implement it year by year.

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Reference: List of power plants planned and under construction.

Region (Prefecture)	Plant Name	Company (Operator)	Capacity (MW)	Planned operation date	Combustion Technology	Annual CO2 emissions (Mt-CO2) (% of Japan's total GHG emissions)**	
Under Construction (10 plants 6,125MW)							
Fukushima	IGCC Hirono Power Station	Hirono IGCC Power GK	543	2021-09	IGCC*	2.62	0.2%
Kanagawa	Yokosuka Power Station New 1	JERA	650	2023	USC	3.63	0.3%
Kanagawa	Yokosuka Power Station New 2	JERA	650	2024	USC	3.63	0.3%
Aichi	Taketoyo Power Station 5	JERA	1070	2022-03	USC	5.69	0.5%
Hyogo	Kobe Power Station 3	Kobelco Power Kobe-2	650	2021	USC	3.46	0.3%
Hyogo	Kobe Power Station 4	Kobelco Power Kobe-2	650	2022	USC	3.46	0.3%
Shimane	Misumi Power Station 2	Chugoku Electric Power	1000	2022-11	USC	5.38	0.4%
Hiroshima	Kaita Power Station	Kaita Biomass Power	112	2021	Sub-C	0.67	0.06%
Yamaguchi	Tokuyama East Power Station 3	Tokuyama (TKE3)	300	2022-04	Sub-C	1.80	0.1%
Ehime	Saijo Power Station	Shikoku Electric Power	500	2023-03	USC	2.46	0.2%
Assessed (2 plants 1,300MW)							
Akita	Akita Port 1	Kansai Electric Power, Marubeni	650	2024-03	USC	4.33	0.4%
Akita	Akita Port 2	Kansai Electric Power, Marubeni	650	2024-06	USC	4.33	0.4%

* IGCC: Integrated coal Gasification Combined Cycle

** CO2 emissions are calculated using data from environmental assessment when available. Percentage is calculated using 2019 GHG emission data.