

News Release

October 20, 2023 Electric Power Development Co., Ltd.

New Tomamae Winvilla Wind Farm Begins Commercial Operation: Renovations Complete at J-POWER Group's First Domestic Wind Power Site



New Tomamae Winvilla Wind Farm

J-Wind Co., Ltd., the wholly owned subsidiary of Electric Power Development Co., Ltd. (J-POWER, headquartered in Chuo-ku, Tokyo; President: Hitoshi Kanno) has completed renovating (facility upgrades) at the New Tomamae Winvilla Wind Farm located in Tomamae Town, Hokkaido. Commercial operations began today, October 20, 2023.

Tomamae Winvilla Wind Farm was the first wind farm to begin operations within the J-POWER Group. The wind turbines were upgraded from 19 (individual output: 1,650 kW and 1,500 kW) to eight wind turbines (individual output: 4,300 kW). This wind farm is now one of the largest in Japan and operations have begun under the new name: the New Tomamae Winvilla Wind Farm. Due to this facility replacement project—introducing large equipment—performance will be improved and the most effective use will be made of the wind resources in the area.

With the start of commercial operations of New Tomamae Winvilla Wind Farm, J-POWER's

wind power generation business segment, with a total output of 766,192 kW, in Japan reached 29 sites (21 in operation, two being updated, four under construction, and two planning facility replacement). The total output of the nine sites in Hokkaido Prefecture in operation is now 210,682 kW.

Based on our experience and track record operating wind power plants throughout Japan, we are progressively updating older equipment. J-POWER Group will continue working on the sustainable development and steady operation of wind power generation and other renewable energy projects to achieve carbon neutrality, as stated in the J-POWER BLUE MISSION 2050 in February 2021.

1. Details

Name New Tomamae Winvilla Wind Farm

Location Tomamae Town, Hokkaido, Japan

Capacity 30,600 kW (Siemens Gamesa 4,300 kW x 8 units)

Schedule Start of construction: August 2020

Commercial operation: October 20, 2023

2. Operating Company

Name J-Wind Co., Ltd.

Location Chuo-ku, Tokyo, Japan

Capital 100 million yen (wholly owned subsidiary of J-POWER)

Representative Director Fumihiko Saito

3. Location



Attachment: List of J-POWER Group's Wind Farms

Attachment: J-POWER Group's Wind Farms

In operation (Japan)		Location	Name	Owned	Capacity of	Number of wind	Commencement of	
Yamaguchi		LOCATION	Name	capacity (kW)	each wind turbine(k		commercia loperations	
	In	operation (Japan)						
3 Aichi	1	Yamaguchi	Yokihinosato	4,500	1,500	3	Nov. 2003	
Nagasaki Nagasaki-Shikamachi 10,500 1,000 15 Feb. 2005	2	lwate	Green Power Kuzumaki	21,000	1,750	12	Dec. 2003	
S Aichi	3	Aichi	Tahara	1,980	1,980	1	Mar. 2004	
6 Hokkaido Setana Seaside 12,000 2,000 6 Dec. 2005 7 Fukushima Koriyama-Nunobiki 65,980 1,780 17 8 Kumamoto Aso-Oguni 8,500 1,700 5 Mar. 2007 9 Shizuoka Irozaki 34,000 2,000 17 Apr. 2010 10 Fukui Awara-Kitagata 20,000 2,000 10 Feb. 2011 11 Fukushima Hiyama Kogen 28,000 2,000 10 Feb. 2011 12 Hokkaido Kaminokuni 28,000 2,333 11 Mar. 2014 13 Ehime Minami Ehime 28,500 2,330 3 Apr. 2016 14 Aomori Ohma 19,500 2,300 9 May 2016 15 Akita Yurihonjo Bayside 16,100 2,300 9 May 2016 15 Akita Yurihonjo Bayside 16,100 2,300 9 May 2016 16 Hokkaido Setana-Osato 50,000 3,200 16 Jan. 2020 17 Akita Nikaho No.2 41,400 2,300 18 Jan. 2020 18 Iwate Kuzumaki No.2 44,600 2,000 16 Dec. 2020 19 Hokkaido Esashi 14,700 4,200 5 Feb. 2023 10 Hokkaido New Shimamaki 4,300 4,300 1 Feb. 2023 11 Hokkaido New Shimamaki 4,300 4,300 1 Feb. 2023 12 Hokkaido New Shimamaki 4,300 4,300 8 Oct. 2023 13 Hokkaido New Sarakitomanai 14,850 4,300 4 FY 2023 (plann Japan's total (in operation) 545,760 Under facility replacement (in Japan) 24 Hokkaido Kaminokuni No.2 41,532 4,300 10 FY 2023 (plann Japan's total (in operation) 545,760 Under construction (Japan) 24 Hokkaido Kaminokuni No.2 41,532 4,300 10 FY 2023 (plann Japan's total (in operation) Lishkari Hachinosawa 14,700 4,200 5 FY 2023 (plann Japan's total (in operation) Lishkari Hachinosawa 14,700 4,200 5 FY 2023 (plann Japan's total (in operation) Lishkari Hachinosawa 14,700 4,200 5 FY 2023 (plann Japan's total (in operation) Lishkari Hachinosawa 14,700 4,200 5 FY 2023 (plann Japan's total (in operation/under construction, including facility replacement 723,992 In operation (overseas)	4	Nagasaki	Nagasaki-Shikamachi	10,500	1,000	15	Feb. 2005	
Feb. 2007	5	Aichi	Tahara Bayside	22,000	2,000	11	Mar. 2005	
Fukushima	6	Hokkaido	Setana Seaside	12,000	,		Dec. 2005	
8 Kumamoto Aso-Oguni 8,500 1,700 5 Mar. 2007 9 Shizuoka Irozaki 34,000 2,000 17 Apr. 2010 10 Fukui Awara-Kitagata 20,000 2,000 10 Feb. 2011 11 Fukushima Hiyama Kogen 28,000 2,000 14 Feb. 2011 12 Hokkaido Kaminokuni 28,000 2,333 11 Mar. 2014 13 Ehime Minami Ehime 28,500 2,300 3 Apr. 2016 14 Aomori Ohma 19,500 2,300 9 May 2016 15 Akita Yurihonjo Bayside 16,100 2,300 7 Jan. 2017 16 Hokkaido Setana-Osato 50,000 3,200 16 Jan. 2020 17 Akita Nikaho No.2 41,400 2,300 3 Apr. 2016 18 Iwate Kuzumaki No.2 41,500 2,300 18 Jan. 2020	7	Fukushima	Koriyama-Nunobiki	65,980	_		Feb. 2007	
10 Fukui	8	Kumamoto	Aso-Oguni	8,500			Mar. 2007	
11 Fukushima	9	Shizuoka	Irozaki	34,000	2,000	17	Apr. 2010	
12	10	Fukui	Awara-Kitagata	20,000	2,000	10	Feb. 2011	
Dickardub Naminiokuli 28,500 2,337 1 Mar. 2015 2,400 9 Mar. 2015 2,300 3 Apr. 2016 3 Akita Yurihonjo Bayside 16,100 2,300 7 Jan. 2017 3 Akita Yurihonjo Bayside 16,100 2,300 7 Jan. 2017 3 Akita Nikaho No.2 41,400 2,300 18 Jan. 2020 3 Akita Nikaho No.2 41,400 2,300 18 Jan. 2020 3 Akita Nikaho No.2 41,400 2,300 18 Jan. 2020 3 Akita Nikaho No.2 44,600 2,000 16 Dec. 2020 3 Akita New Shimamaki 4,300 4,300 5 Feb. 2023 3 Apr. 2016 3 Apr. 2017 3	11	Fukushima	Hiyama Kogen	28,000	2,000	14	Feb. 2011	
September Minami Ehime 28,500 2,400 9 Mar. 2015 2,300 3 Apr. 2016 2,300 3 Apr. 2016 3,000 3 Apr. 2016 3,000 3 Apr. 2016 3,000 3 Apr. 2016 3,000 3,200 5 Apr. 2017 3,000 3,200 6 Jan. 2017 3,000 3,200 16 Jan. 2020 3,000	12	Hokkaido	Kaminokuni	28,000			Mar. 2014	
14 Aomori Ohma 19,500 2,300 9 May 2016 15 Akita Yurihonjo Bayside 16,100 2,300 7 Jan. 2017 16 Hokkaido Setana-Osato 50,000 3,200 16 Jan. 2020 17 Akita Nikaho No.2 41,400 2,300 18 Jan. 2020 18 Iwate Kuzumaki No.2 44,600 2,000 16 Dec. 2020 19 Hokkaido Esashi 14,700 4,200 5 Feb. 2023 20 Hokkaido New Shimamaki 4,300 4,300 1 Feb. 2023 21 Hokkaido New Tomamae 30,600 4,300 8 Oct. 2023 Japan's total (in operation) 22 Akita New Nikaho Kogen 24,750 4,300 4 FY 2023 (plann Japan's total (in operation/under facility replacement) 545,760 Under construction (Japan) 24 Hokkaido Kaminokuni No.2 41,532 4,300 10 FY 2024 (plann 25 Ehime Minami Ehi	13	Ehime	Minami Ehime	28,500	2,400		+	
15	14	Aomori	Ohma	19,500	-		-	
16	15				-		,	
18 Iwate	16				-		Jan. 2020	
18	17	Akita	Nikaho No.2	41,400	2,300	18	Jan. 2020	
19 Hokkaido Esashi 14,700 4,200 5 Feb. 2023 20 Hokkaido New Shimamaki 4,300 4,300 1 Feb. 2023 21 Hokkaido New Tomamae 30,600 4,300 8 Oct. 2023 22 Hokkaido New Tomamae 30,600 4,300 8 Oct. 2023 3 Japan's total (in operation) 506,160 22 Akita New Nikaho Kogen 24,750 4,300 6 FY 2023 (plann 23 Hokkaido New Sarakitomanai 14,850 4,300 4 FY 2023 (plann 3 Japan's total (in operation/under facility replacement) 545,760 3 Hokkaido Kaminokuni No.2 41,532 4,300 10 FY 2024 (plann 24 Hokkaido Kaminokuni No.2 34,000 3,400 10 FY 2025 (plann 25 Ehime Minami Ehime No. 2 34,000 3,400 10 FY 2025 (plann 26 Hokkaido Ishikari Hachinosawa 14,700 4,200 5 FY 2023 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann 27 Fukuoka 723,992 FY 2025 (plann 27 Fukuoka 723,992 FY 2025 (plann 27	18	lwate	Kuzumaki No.2	44,600			Dec. 2020	
Hokkaido New Shimamaki 4,300 4,300 1 Feb. 2023	19	Hokkaido	Fsashi	14 700	-		Feb 2023	
Hokkaido New Tomamae 30,600 4,300 8 Oct. 2023 Japan's total (in operation) 506,160 Under facility replacement (in Japan)				•	,			
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Akita New Nikaho Kogen 24,750 4,300 6 FY 2023 (plann land) Japan's total (in operation/under facility replacement) 545,760 Under construction (Japan) 4 Hokkaido Kaminokuni No.2 41,532 4,300 10 FY 2024 (plann land) Ehime Minami Ehime No. 2 34,000 3,400 10 FY 2025 (plann land) Hokkaido Ishikari Hachinosawa 14,700 4,200 5 FY 2023 (plann land) Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann land) Apan's total (in operation/under construction, including facility replacement repl	U	•		300,200				
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Under construction (Japan) 24 Hokkaido Kaminokuni No.2 41,532 4,300 10 FY 2024 (plann 25 Ehime Minami Ehime No. 2 34,000 3,400 10 FY 2025 (plann 26 Hokkaido Ishikari Hachinosawa 14,700 4,200 5 FY 2023 (plann 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plann apan's total (in operation/under construction, including facility replacement 723,992 In operation (overseas)	23	Hokkaido		14,850	4,300	4	FY 2023 (planned)	
Hokkaido Kaminokuni No.2 41,532 4,300 10 FY 2024 (planna 25 Ehime Minami Ehime No. 2 34,000 3,400 10 FY 2025 (planna 26 Hokkaido Ishikari Hachinosawa 14,700 4,200 5 FY 2023 (planna 27 Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (planna apan's total (in operation/under construction, including facility replacement 723,992 In operation (overseas)		Japan's total (in operatio	n/under facility replacement)	545,760		1	•	
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Fukuoka Kitakyushu Hibikinada 88,000 9,600 25 FY 2025 (plannapan's total (in operation/under construction, including facility replacement 723,992 In operation (overseas)	25	Ehime	Minami Ehime No. 2	34,000	3,400	10	FY 2025 (planned)	
apan's total (in operation/under construction, including facility replacement 723,992 In operation (overseas)	26	Hokkaido	Ishikari Hachinosawa	14,700	4,200	5	FY 2023 (planned)	
In operation (overseas)	27	Fukuoka	Kitakyushu Hibikinada	88,000	9,600	25	FY 2025 (planned)	
	apan's total (in operation/under construction, including facility replacement 723,992							
28 U.K. Triton Knoll 214,250 9,500 90 2022/4	Ir	operation (overseas)						
	28	U.K.	Triton Knoll	214,250	9,500	90	2022/4	
Global total (in operation/under construction, including facility replacement) 938,242	Glob	al total (in operation/under con	struction, including facility replacement	938,242				

Operation terminated and facility replacement in planning									
_	Kumamoto	Aso-Nishihara	17,500	1,750	10	Jan. 2023 operation terminated			
_	Kagoshima	Minami Osumi	24,700	1,300 1,300		reb. 2023 operation			
				1,300	10	terminated			

*Owned capacity based on J-POWER Group's interest ratio (e.g., Location: total capacity x interest ratio=owned capacity)

Nagasaki-Shikamachi: 15,000kW×70%=10,500kW

Esashi: 21,000kW×70%=14,700kW

Ishikari Hachinosawa: 21,000kW×70%=14,700kW Kitakyushu Hibikinada: 220,000kW×40%=88,000kW Triton Knoll: 857,000kW×25%=214,250kW