

September 28, 2021
Electric Power Development Co., Ltd. (J-POWER)

Renewal Works of Nikaho Kogen Wind Farm Have Started

The fourth renewal project for J-POWER Group's domestic wind power

Electric Power Development Co., Ltd. (hereafter "J-POWER") announces that J-Wind Co., Ltd., a wholly owned subsidiary of J-POWER, has begun renewal works at Nikaho Kogen Wind Farm in Akita, Japan.

This project is the fourth renewal project for J-POWER Group's wind power business segment, following Sarakitomanai Wind Farm which has been under renewal works since July 2021.

Nikaho Kogen Wind Farm had been in commercial operation for 20 years since December 2001. In this renewal project, 15 existing aged wind turbines, of which capacity is 1,650kW for each, will be replaced with six 4,300kW wind turbines, which stands at the largest level in Japan.

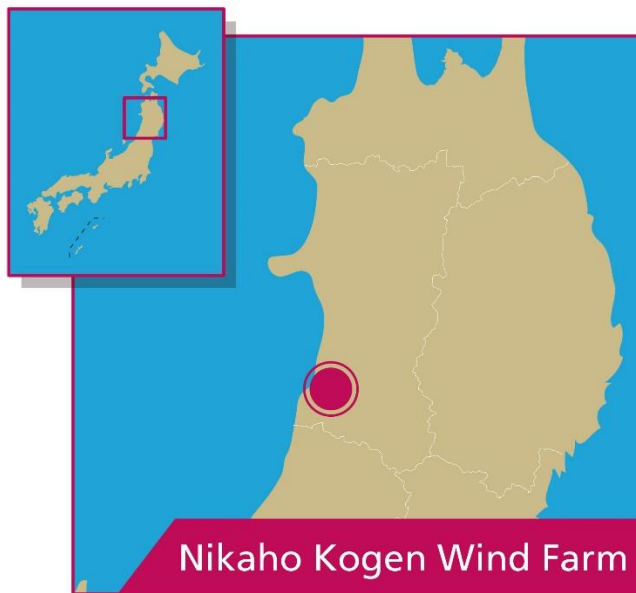
After its planned commercial operations in January 2024, the high performance of the cutting-edge large-scale wind turbine is expected to enable utilizing the wind resources at the site as much as possible.

J-POWER Group continues initiatives to replace aged wind turbines all over Japan in order to achieve sustainable development of renewable energy and stable operations.

1. Overview of the Wind Farm

| | |
|----------|---|
| Name | New Nikaho Kogen Wind Farm |
| Location | Nikaho City, Akita Prefecture, Japan |
| Capacity | 24,750kW (Siemens Gamesa 4,300kW turbine x 6) |
| Schedule | September 2021 Commencement of construction January 2024 Commencement of commercial operations (planned) |

2. Location Map



Current Status of the Wind Farm

Appendix: J-POWER Group's Wind Farms (as of September 28, 2021)

As of September 28, 2021

Appendix: J-POWER Group's Wind Farms

| | Location | Name | Capacity (kW) | Capacity of each wind turbine(kW) | Number of wind turbine | Commencement of commercial operations |
|---|-----------|----------------------|---------------|-----------------------------------|------------------------|---------------------------------------|
| In operation (Japan) | | | | | | |
| 1 | Akita | Nikaho Kogen | 24,750 | 1,650 | 15 | Dec. 2001 |
| 2 | Hokkaido | Sarakitomanai | 14,850 | 1,650 | 9 | Dec. 2001 |
| 3 | Tokyo | Tokyo Bayside | 1,700 | 850 | 2 | Mar. 2003 |
| 4 | Kagoshima | Minami Osumi | 24,700 | 1,300 | 9 | Mar. 2003 (Neshiko) |
| | | | | 1,300 | 10 | Mar. 2004 (Sata) |
| 5 | Yamaguchi | Yokihinosato | 4,500 | 1,500 | 3 | Nov. 2003 |
| 6 | Iwate | Green Power Kuzumaki | 21,000 | 1,750 | 12 | Dec. 2003 |
| 7 | Aichi | Tahara | 1,980 | 1,980 | 1 | Mar. 2004 |
| 8 | Nagasaki | Nagasaki-Shikamachi | 10,500 | 1,000 | 15 | Feb. 2005 |
| 9 | Kumamoto | Aso-Nishihara | 17,500 | 1,750 | 10 | Feb. 2005 |
| 10 | Aichi | Tahara Bayside | 22,000 | 2,000 | 11 | Mar. 2005 |
| 11 | Hokkaido | Setana Seaside | 12,000 | 2,000 | 6 | Dec. 2005 |
| 12 | Fukushima | Koriyama-Nunobiki | 65,980 | 2,000 | 32 | Feb. 2007 |
| | | | | 1,980 | 1 | |
| 13 | Kumamoto | Aso-Oguni | 8,500 | 1,700 | 5 | Mar. 2007 |
| 14 | Shizuoka | Irozaki | 34,000 | 2,000 | 17 | Apr. 2010 |
| 15 | Fukui | Awara-Kitagata | 20,000 | 2,000 | 10 | Feb. 2011 |
| 16 | Fukushima | Hiyama Kogen | 28,000 | 2,000 | 14 | Feb. 2011 |
| 17 | Hokkaido | Kaminokuni | 28,000 | 2,333 | 11 | Mar. 2014 |
| | | | | 2,337 | 1 | |
| 18 | Ehime | Minami Ehime | 28,500 | 2,400 | 9 | Mar. 2015 |
| | | | | 2,300 | 3 | Apr. 2016 |
| 19 | Aomori | Ohma | 19,500 | 2,300 | 9 | May 2016 |
| 20 | Akita | Yurihonjo Bayside | 16,100 | 2,300 | 7 | Jan. 2017 |
| 21 | Hokkaido | Setana-Osato | 50,000 | 3,200 | 16 | Jan. 2020 |
| 22 | Akita | Nikaho No.2 | 41,400 | 2,300 | 18 | Jan. 2020 |
| 23 | Iwate | Kuzumaki No.2 | 44,600 | 2,000 | 16 | Dec. 2020 |
| | | | | 2,100 | 6 | |
| Japan total (in operation) | | | 540,060 | | | |
| Under construction (Japan) | | | | | | |
| 24 | Hokkaido | Kaminokuni No.2 | 41,532 | 4,300 | 10 | FY 2023 (planned) |
| 25 | Ehime | Minami Ehime No. 2 | 34,000 | 3,400 | 10 | FY 2024 (planned) |
| Japan total (in operation/under construction) | | | 615,592 | | | |
| Under construction (Renewal) | | | | | | |
| 26 | Hokkaido | New Tomamae Winvilla | 30,600 | 4,300 | 8 | FY 2022 (planned) |
| 27 | Hokkaido | New Shimamaki | 4,300 | 4,300 | 1 | 2022 (planned) |
| Japan total (in operation/under construction includes renewal) | | | 650,492 | | | |
| Under construction (overseas) | | | | | | |
| 28 | U.K. | Triton Knoll | 214,250 | 9,500 | 90 | 2021 (planned) |
| Global total (in operation/under construction) | | | 864,742 | | | |

*Nikaho Kogen Wind Farm continues to operate in commercial operation until March 2022 though it started renewal works.

*Sarakitomanai Wind Farm continues to operate in commercial operation until February 2022 though it started renewal works.

* As for Nagasaki-Shikamachi Wind Farm, total capacity is 15,000kW while owned capacity is 10,500kW as J-POWER Group's interest is 70%

* As for Triton Knoll, total capacity is 857MW while owned capacity is 214,250kW as J-POWER Group's interest is 25%