GRID CONNECTION AGREEMENT – [FACILITY NAME (INI) – SUBSTATION XXX (INI)]

On Establishment of Grid Connection of the Producer's Generation Facility, and its connection to and use of the Transmission System in substation [substation name].

Please note: This translation of the original Danish text is for informational purposes only and is not a substitute for the official Danish text. The English text is not legally binding and offers no interpretation on the Danish text. In case of inconsistency, the Danish version applies.

This Grid Connection Agreement is entered into between:

ENERGINET

Energinet
Tonne Kjærsvej 65
DK-7000 Fredericia

+45 70 10 22 44
info@energinet.dk

Date:
29 September 2021

Author:
SUD/POR

[Producer's name]
[Street name and no.]
[Postcode and town/city]
CVR: [CVR]
(Hereinafter 'the Producer')

and

Energinet System Operator A/S
Tonne Kjærsvej 65
7000 Fredericia
CVR: 39314959
(Hereinafter 'Energinet Systemansvar')

and

Energinet Electricity Transmission A/S
Tonne Kjærsvej 65
7000 Fredericia
CVR: 39314878
(Hereinafter 'Energinet Eltransmission')

In the following, Energinet Systemansvar and Energinet Eltransmission are collectively referred to as "Energinet" and constitute one joint party in the Grid Connection Agreement from the point of view of the Producer.

1. Background and objective

The Producer has requested to establish a [XXX] MW [facility type] (the Generation Facility) near [location of Energinet substation]. The Generation Facility will be established as [approx. XXXX solar panels of XX kW/XXX wind turbines of XX MW] on [plot of land no. XX].

In order to meet the Producer's request for connection to the Electricity Supply System, it is necessary to expand substation [substation name]. The Generation Facility will be connected at the [XXX] kV voltage level.
[or]
In order to meet the Producer's request for connection to the Electricity Supply System, it is necessary to expand the Transmission System, including establishing a new substation, referred to as substation [substation name]. The Generation Facility will be connected at the [XXX] kV voltage level.

Energinet expects to have established grid connection for the generation facility by [month, year], after which the generation facility can be connected.

The complete Grid Connection Agreement consists of this Agreement, Grid Connection Terms and Conditions, and Establishment Terms and Conditions and must be interpreted in its entirety. The rights and obligations stated in the Grid Connection Agreement are underpinned by and described in more detail in the appendices to the Grid Connection Agreement. If there are discrepancies between this Agreement and the Terms and Conditions, this Agreement will prevail. If there are discrepancies between the Grid Connection Terms and Conditions and the Establishment Terms and Conditions, the Establishment Terms and Conditions will prevail for the duration of the Grid Connection Establishment phase, and the Grid Connection Terms and Conditions will prevail when the Grid Connection Establishment phase has been completed. If there are discrepancies between the Agreement/Terms and Conditions and its appendices, the Agreement/Terms and Conditions will prevail.

The purpose of the Terms and Conditions is to lay down the general terms, conditions, and principles that apply to the Producer and the Generation Facility upon connection to the Transmission System. This Agreement lays down specific requirements and principles applicable to the Producer and Generation Facility upon connection to the Transmission System.

1.1 Grid Connection Agreement documents

The Grid Connection Agreement comprises the following appendices:

Appendix 1: Terms and Conditions of Grid Connection for Generation Facilities, Rev. 1 of 29-09-2021 (doc. 19/08976-3).

- Appendix 1.1: Short-circuit levels (doc. XX/XXXXX-XX)
- Appendix 1.2: Power quality requirements and impedance characteristics (doc. XX/XXXXX-XX)
- Appendix 1.3: Specific technical conditions and requirements (doc. XX/XXXXX-XX)
- Appendix 1.4: Agreed operational settings for the Generation Facility (doc. XX/XXXXX-XX) (enclosed when agreed).

Appendix 2: Establishment terms and conditions for generation facilities 2 of 29-09-2021 (doc. 19/08976-2).

- Appendix 2.1: Final design and layout (doc. XX/XXXXX-XX)
- Appendix 2.2: Hardwired signal exchange (doc. XX/XXXXX-XX) [may be enclosed at a later stage]
- Appendix 2.3: Establishment time schedule (doc. XX/XXXXX-XX)
- Appendix 2.4: Establishment budget XX/XXXXX-XX)
- Appendix 2.5: Contacts (doc. XX/XXXXX-XX)
- Appendix 2.6: Provision of security (doc. XX/XXXXX-XX).

Appendix 3: Grid Connection notifications

- Appendix 3.1: EON (Energisation Operational Notification) (enclosed when issued)
- Appendix 3.2: ION (Interim Operational Notification) (enclosed when issued)
- Appendix 3.3: FON (Final Operational Notification) (enclosed when issued).

Appendix 4: Interconnection agreement (attached when entered into) [may be concluded at a later stage].

Appendix 5: Collaboration agreement on operation (enclosed when entered into) [may be concluded at a later stage].

2. Producer's maximum power exchange (capacity)

The Generation Facility has the following maximum power available from the Transmission System when the Generation Facility is fully established:

- Production power: XXX MW
- Own consumption: XXX MW.

The above power values are based on the size and characteristics of the Generation Facility as stated by the Producer.

3. Specific conditions

This section describes the specific conditions that apply between the Parties.

3.1 Point of connection and compliance with Technical Requirements

The point of connection is in substation [substation name] at [voltage level] kV.

The Generation Facility must comply with the Technical Requirements for the [voltage level] kV busbar.

3.2 Ownership, operation, and maintenance boundaries

The ownership boundary is [location of boundary].

The operation and maintenance boundaries follow the ownership boundary.
[or]
The operation boundary is [location of boundary].
The maintenance boundary is [location of boundary].

3.3 Key technical requirements for the Generation Facility at the time of entering into the Grid Connection Agreement

At the time of entering into the Grid Connection Agreement, the following legislation, regulation, and specific technical requirements apply, among other things, to the Generation Facility:

- RfG - Commission Regulation (EU) 2016/631 of 14 April 2016 establishing a network code on requirements for grid connection of generators, including the following appendices:
    - Appendix 1: Requirements laid down pursuant to EU regulation 2016/631 (RfG)
    - Appendix 1A: Generic signal list
    - Appendix 1B: Simulation model requirements
    - Appendix 1C: Robustness requirements (FRT)
    - Appendix 1D: Requirements for reactive power control properties

- Technical regulation 3.2.7 Requirements for voltage quality for generation facility connections, Rev. 2 (29-03-2019), including the following specific requirements:
    - The Agreement, Appendix 1.2: Power quality.

- SO GL - Commission Regulation (EU) 2017/1485 of 2 August 2017 establishing a guideline on electricity transmission system operation, including the following requirements, which are expected to be approved and apply to the Generation Facility:
    - Regulation requirement 5.8.10 – Information exchange, generation, and demand
    - Regulation requirement 5.8.12 – Information exchange, standards, protocols, etc.

- Technical regulation 5.3.4.2 Production telegraph (Produktionstelegrafen), Rev. 1 (15 April 2008) (new revision is being drawn up).

- NC ER - Commission Regulation (EU) 2017/2196 of 24 November 2017 establishing a network code on electricity emergency and restauration, including the following:
    - System defence plan
    - Restoration plan.

Under Article 3 in the Grid Connection Term and Conditions, the Generation Facility will always be subject to applicable legislation and regulation. This means that the Generation Facility may be subject to newer rules than those applicable at the time of entering into this Grid Connection Agreement and those stated above.

3.4 Grid Connection Establishment [if relevant]

The Producer's expected Grid Connection Establishment costs: [amount] DKK.

The Establishment Budget is specified in detail in Appendix 2.4.

All prices stated in the Grid Connection Agreement are exclusive of applicable VAT.

The Establishment Budget is an estimate, and the Producer must pay the actual costs in accordance with the principles laid down in the Establishment Terms and Conditions, and applicable legislation and regulation.

3.5 Other specific conditions

[Other specific conditions which do not appear from the Terms and Conditions or Appendices or are central (new sections such as 3.X etc.)]

4. Signatures

The Grid Connection Agreement will come into force when the parties have signed it.

By signing this Agreement, Energinet confirms that the Grid Connection will be established and that Energinet's obligations will be performed in accordance with the conditions, terms, and principles of this Grid Connection Agreement, with appurtenant appendices, as well as the legislation and other regulations applicable from time to time.

Similarly, by signing this Agreement, the Producer confirms the intent to establish the Generation Facility for grid connection and subsequently use the Transmission System in accordance with the terms, conditions, and principles specified in the Grid Connection Agreement, with appurtenant appendices, as well as the legislation and other regulations applicable from time to time.

Location:	Place:
Date:	Date:
Company name	Company name
First name, last name	First name, last name
Title	Title
Place:	Place:
Date:	Date:
Energinet Eltransmission A/S	Energinet Systemansvar A/S
Henrik Riis Nielsen	Jeanette Bodi Sørensen
CEO	Senior Manager