

# **Expressions of interest for the inclusion of electricity generation or storage facilities in the network reserve in accordance with the German Regulation on Reserve Power Plants (ResKV)**

**Call for expressions of interest following the declaration of the network reserve power requirement for the winter period 2015/2016 by Bundesnetzagentur dated 30 September 2013**

Documents for expressions of interest for the inclusion of electricity generation or storage facilities (“plants”) in the network reserve in accordance with the German Regulation on Reserve Power Plants (ResKV) dated 27 June 2013 (“EoI documentation”)

# Expression of interest to have a plant or plant portfolio included in the network reserve

Submitted by:

Company \_\_\_\_\_

Street / PO Box \_\_\_\_\_

Postcode, Town/city \_\_\_\_\_

Contact Person \_\_\_\_\_

Department \_\_\_\_\_

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# 1 Introduction

The following documentation for expressions of interest in having a plant or plant portfolio included in the network reserve is made available under the German regulation on Reserve Power Plants (ResKV) dated 27 June 2013.

In accordance with s. 2 para 1 ResKV, the purpose of creating a network reserve is to maintain generating capacity to guarantee the security and reliability of the electricity supply system. If an additional need for generating capacity should be identified by the German regulatory authority (Bundesnetzagentur) in accordance with s. 3 ResKV, the specific requirements of the necessary plant(s), including any requirements in terms of location and technical parameters, shall be published by the transmission system operator in question, in line with the confirmation by Bundesnetzagentur.

The following documentation relates solely to the call for expressions of interest ("EoI") pursuant to s. 13 para 1 ResKV, **commencing on 18 December 2013 following the declaration of the network reserve power requirement for the winter period 2015/2016 by Bundesnetzagentur dated 30 September 2013**. The conclusion of a contract regarding the inclusion of a plant or plant portfolio in the network reserve is expected by 28 February 2014. The plant or plant portfolio should be operationally available from 01 October 2015.

## 2 Preconditions for Inclusion in Network Reserve

### 2.1 Plants in Germany

In accordance with s. 5 para 2 ResKV, plants in Germany and/or their operators must satisfy all of the following conditions to be included in the network reserve:

- The plant must be relevant to the overall system as described in s. 13a para 2 sentences 8 and 9 of the German Energy Industry Act (EnWG).
- The plant operator undertakes to refrain from using the plant assigned to the network reserve on the power market in any manner between the expiry of the contract and its definitive closure.
- The notification period as per s. 13a para 1 EnWG has lapsed as at the start of the planned period of use as part of the network reserve, or the plant has already been provisionally closed down<sup>1</sup>.
- All legal requirements and requirements in terms of legal authorisation regarding operation of the plant have been satisfied for the term of the contract, or the plant is in a materially licensable state.

Requirement satisfied	Yes O	No O	Comment no. ____	Annex no. ____

### 2.2 Plants in the internal European energy market and Switzerland

In accordance with s. 5 para 3 ResKV, plants in the internal European energy market and Switzerland and/or their operators must satisfy all of the following conditions to be included in the network reserve:

- The plant must be capable of contributing to the resolution of specific system security problems in Germany, i.e. it satisfies the criteria of technical suitability as per Chapter 3.
- The competent authorities under the national legislation of the country in question raise no objections with regard to the guarantee of security of supply.
- The commitment is assured for the required period.

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<sup>1</sup> The obligation not to use the plant on the power market following the end of the contract on the use of the plant for the network reserve also applies to plants that have already been provisionally closed down. This therefore constitutes definitive closure.

The assurance of the contractual commitment for the period in question also expressly includes the acquisition of the necessary cross-border interconnection capacities as early as possible.

Operators of foreign plants must enclose with this form a written confirmation from the competent authorities under the national legislation of the country in question, or otherwise submit such confirmation by no later than the date on which the contracts are concluded.

Requirement satisfied	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comment no. ____	Annex no. ____
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The obligation to refrain from using the plant assigned to the network reserve on the power market between the expiry of the contract and its definitive closure does not apply to operators of foreign plants.

### 2.3 Requirements for the inclusion of plant portfolios

The generating capacity necessary to guarantee the security and reliability of the electricity supply system can also be provided by means of plant portfolios. Based on the conditions in accordance with s. 5 para 2 and 3 ResKV the following requirements have to be fulfilled:

- Plant portfolio in Germany: Each plant has to comply individually with the conditions listed in Chapter 2.1.
- Plant portfolio in the internal European energy market and Switzerland: Each plant has to comply individually with the conditions listed in Chapter 2.2. The condition of technical suitability in accordance with s. 5 para 3 ResKV has to be fulfilled by the plant portfolio. In particular, more than one plant can only be offered as plant portfolio, if all plants generate a similar physical effect with regard to specific system security problems in Germany.
- The network reserve power activation process is consistent for all plants.
- The physical effect by the plant portfolio can be adequately documented.

Requirement satisfied	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comment no. ____	Annex no. ____
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### 3 Technical and economic suitability

Because of the differing properties of the plants to be used in the context of the ResKV and the considered scenarios<sup>2</sup>, it is not possible to standardise requirements, unlike e.g. those for providing control power. This relates to both the location of the grid connection of the reserve power plant or plant portfolios and minimum technical and process-related requirements. However, the following minimum requirements must be satisfied to ensure the technical suitability of a given plant or plant portfolio for the inclusion in the network reserve.

#### 3.1 Minimum requirements

The plant(s) and/or its/their operator must satisfy the following minimum technical and process-related requirements to be included in the network reserve.

- With location of the grid connection of the reserve power plants or plant portfolio it must be ensured that the plant or plant portfolio is able to contribute to the solution of the specific system security problems in Germany as described in the report by Bundesnetzagentur. Adequate locations of the grid connection will generally lie south of the Remptendorf-Redwitz and the Middle Rhine transmission lines, which are affected by congestions, and thus in the area of the federal states of Baden-Wuerttemberg, Bavaria, Rhineland-Palatinate (Mainz) and (South-)Hesse, or in southern regions abroad (south of latitude 51).
- It must be ensured that plant staff can be reached at all times, i.e. 24 hours a day, seven days a week. To this end the plant operator shall provide the contracting transmission system operator with details of a contact point that can be reached by telephone and e-mail at all times. The contact details shall be included in the Annex **Network Reserve Data Sheet**.
- In case of an activation of a plant or plant portfolio in the network reserve, the energy shall be supplied via a balance group in the control area of the contracting transmission system operator. If the plant or plant portfolio is located outside Germany in the internal European energy market or in Switzerland, the plant operator shall ensure the management of balancing groups for the cross-border energy supply to the control area of the contracting transmission system operator. In particular, the plant operator shall acquire necessary cross-border interconnection capacity and submit the associated schedules as early as possible.
- The start-up period of plant or plant portfolio shall not exceed 24 hours.
- The requested power output set-point shall be adjustable and, with due consideration for any technical restrictions, feasible by the plant operator at any time.

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<sup>2</sup> See Bundesnetzagentur report

- The language of implementation is either German or English.

Requirement satisfied	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comment no. ____	Annex no. ____
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### 3.2 Technical, process-related and economic data

For each potential plant or plant portfolio the operator shall submit the technical, process-related and economic data and parameters in the **Network Reserve Data Sheet** Annex and send these data together with this expression of interest.

Requirement satisfied	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Comment no. ____	Annex no. ____
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### 3.3 Assessment of the technical and economic suitability

Based on the details supplied, the plant operator or operators will be selected - with regard to further contract negotiations - on the basis of the following criteria, *inter alia*:

- Technical suitability and place of performance
- Economic efficiency, taking capacity costs and energy costs into consideration
- Other cost-relevant factors such as repairs
- Official or legislative conditions and restrictions

## 4 Legally binding statements by the plant operator

We hereby declare as follows:

- The statements we have made and the documents submitted are true and correct;
- The details submitted electronically match the details submitted in printed form;
- We agree to the conditions set down in this EoI documentation in their entirety;
- We shall advise the transmission system operator immediately in writing in the event of any substantial changes to the company details or details of the service underlying the expression of interest;
- If our power plant facility/facilities should be deemed technically and economically suitable, we shall immediately begin the appropriate contract negotiations following notification and a request by the transmission system operator;
- We agree that the details submitted and the enclosed data sheet may be forwarded to Bundesnetzagentur and the German transmission system operators.

The transmission system operator expressly advises that we may be excluded from the current and future calls for expressions of interest if any of the above statements are incorrect. There is no legal entitlement to conclude a contract.

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Place, date

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Company

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(Legally binding signature)

Enclosures:

Yes / No  Comments, no. \_\_\_\_\_ to \_\_\_\_\_

Yes / No  Annexes, no. \_\_\_\_\_ to \_\_\_\_\_