

# Form of the 2018 Electricity Ten Year Statement

## Consultation

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UK electricity transmission



# Overview

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**We are revising the form of our 2018 Electricity Ten Year Statement (ETYS) and would like to know your views on our proposal.**

This consultation on the proposed form of the 2018 ETYS provides you with our latest view of how the document should evolve to better meet your needs and serve its purpose. As we would appreciate your feedback, please take the opportunity to comment on this consultation.

Responses to this consultation should be sent to [transmission.etyes@nationalgrid.com](mailto:transmission.etyes@nationalgrid.com) or submitted through <https://www.surveymonkey.co.uk/r/ETYS2018Form> by 5pm on Friday 18 May 2018. We will combine the feedback to this consultation with what we have received to date via various feedback channels when we consider the final form of the 2018 ETYS.



# Revised form of the 2018 ETYS

**Question 1: What are your views on the purpose and proposed form of the ETYS? Do they meet your needs and do you think they cover all the areas that should be in the ETYS?**

**Question 2: Are there any topics relating to the national electricity transmission system (NETS) capability requirements that you would like us to further explore?**

**Question 3: Do you think using boundaries as a means of representing transmission network capabilities and requirements is clear and easy to understand? How can we improve the boundary representation further? If not, which representation would you suggest us to use?**

**Question 4: What are your views on the proposed ETYS appendices? Do they meet your needs and do you think they cover all the areas that should be in the ETYS?**

We published the 2017 [Electricity Ten Year Statement \(ETYS\)](#), the latest edition, on 30 Nov 2017. We have been publishing the ETYS since 2012 in our role as System Operator (SO). The ETYS brings together information from the Seven Year Statement (SYS), the Offshore Development Information Statement (ODIS) and from 2013-2014 the Network Development Policy (NDP) analysis. From 2015, the recommendations from the Network Options Assessment (NOA) replaced the NDP analysis and results.

Over the last few years, and in response to your feedback, we have expanded our suite of publications to now include the System Operability Framework (SOF). To improve the information we give you, and to help navigation through our documents, we want to have clear focus of discussion in each document. The SOF presents the future operability challenges and strategy, the ETYS presents the current NETS capability and its future requirements, and the Network Options Assessment (NOA) presents the network development options available together with our recommendations to meet reinforcement requirements of the National Electricity Transmission System (NETS).

In March, we published our Electricity System Operator [ESO 2018/19 Forward Plan](#) and it is in our vision to be transparent in our decisions and actions. We aim by publishing ETYS 2018 to support delivering efficient network planning, development and investment in the transmission network (Principle 5 - facilitating coordination across system boundaries). We also plan by publishing the future transmission boundary requirements in the ETYS, informed by the Transmission Owners (TO), to facilitate timely, efficient and competitive network investments (Principle 7).



The purpose of the ETYS is to present the current capability and future power transmission requirements.

With this focus of the ETYS in mind, we are proposing the structure of the 2018 ETYS as follows:

## Introduction

This section provides an overview of the background to the document, defines the purpose of the ETYS, and how the ETYS fits into the suite of Future of Energy documents. This section also discusses how the ETYS differs from the European Network of Transmission System Operators for Electricity (ENTSO-E) Ten Year Network Development Plan (TYNDP).

## Input for the analysis

This section describes the information and data we use in our analysis. We build our analysis on the Future Energy Scenarios (FES) data. Using this data and the NETS Security and Quality of Supply Standard (SQSS) criteria, we produce credible generation and demand backgrounds against which to assess the capability of the NETS. We also provide information on interconnectors in this chapter.

## The electricity transmission network capability and future requirements

Based on the FES and NETS SQSS, this section describes the current winter peak capability of the NETS, and what we think the projected future requirements on the system will be for the next decade and beyond. The system requirements from this chapter will be used by the NOA process to develop and recommend network development options.

We also recognise that the most challenging system needs might no longer be just at winter peak, but that other periods such as at low demand in the summer may also give rise to demanding network conditions. We are planning to consider new tools like probabilistic analysis and regional planning to identify year round thermal and voltage requirements. We intend to present more information related to the work we have ongoing in these areas in this year's publication.

## The way forward

This section provides an overview of what our annual stakeholder engagement and activity program will be, after publishing the 2018 ETYS. It will also provide information of the time-line to publish the 2019 NOA.



## Appendices

We use the criteria below to decide what information we should provide as appendices of the ETYS:

- we can share the information in our role as System Operator,
- the information is not already available from other National Grid's or network owners/operators' publications, and
- information that you have told us that is useful and valuable to you.

With the above criteria in mind, we will continue to include the following appendices in the 2018 ETYS:

- System schematics and geographic diagrams
- System technical data
- Fault level data

From 2017, the Customer Connection Interface Tool (CCIT) is no longer published in the ETYS website. Instead, it is now available under the Electricity connections section of our website:

<https://www.nationalgrid.com/uk/electricity/industrial-connections/applying-connection>

