

**The Voice of the Networks**



# **Energy Networks Association**

**Scenario Publication  
Timeline for 2019**

**May 2019**

**ON2019 WS1B P2  
Restriction: Public**

## 1. Introduction

The Whole Electricity System Future Energy Scenarios (FES) product of the Open Networks Project (Workstream 1B) seeks to develop processes to coordinate National and Regional Future Energy Scenarios whilst providing improved clarity and transparency to stakeholders around the various scenarios being produced by the network companies. This product will build upon the work carried out in 2018.

The purpose of this document is to outline the various scenarios being published by each of the network companies and the Electricity System Operator (ESO) during 2019. This will give stakeholders improved visibility of the various scenario publications being produced during the year.

## 2. Context

The GB energy landscape has undergone significant changes in the past decade as decarbonisation and renewable energy targets have driven a rapid growth in renewable energy generation and overall reductions in electricity and gas demand.

Uncertainty in areas such as the electrification of heat and transport, and which generation technologies are likely to be developed across GB, could significantly impact the generation and demand profile. Scenario analysis provides a credible approach to capturing these uncertainties and providing a view of the range of potential outcomes that could materialise.

Network companies recognise the need to assess how generation and demand could change in their respective areas and as a result produce their own scenario publications. These publications are either based upon the ESO's GB FES projections with modifications due to regional variances or new scenarios created by the network companies which are tailored to their regional area.

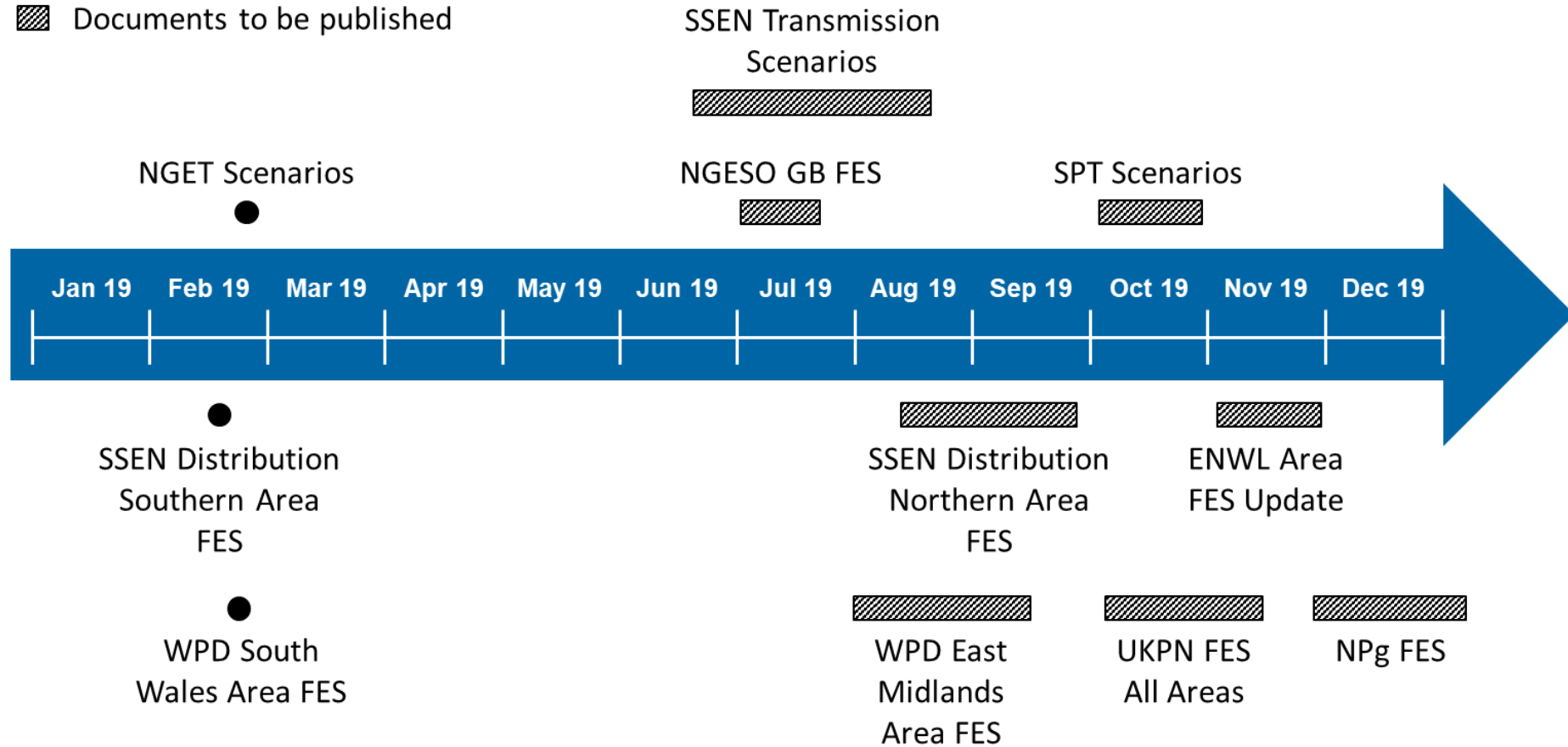
The various scenario publications could be used in different ways; from indicating what type of network developments future investment will be focused on to informing strategic decision making within the different network companies.

### 3. Scenario Publication Timeline for 2019

Throughout 2019, the network companies and the ESO will be publishing their respective scenario documents. The timeline shown below gives an indication of the expected publication dates for the various documents:

Key

- Documents published
- ▨ Documents to be published



The level to which each of the various scenario documents will be updated is shown in the following table:

| Company           | Region & Publication  | Description   | Date          |
|-------------------|---|---|---------------|
| ENWL              | Distribution FES for North West Licence Area                    | Update of 5 regional scenarios published in 2018  | November 2019 |
| NPg               | Distribution FES for North East & Yorkshire Licence Areas       | A number of regional scenarios in use including 4 based on GB FES projections of decentralisation & decarbonisation. NPg plan to publish in December 2019 | December 2019 |
| NGESO             | GB FES  | GB wide document with 4 scenarios based on projections of decentralisation & decarbonisation  | July 2019     |
| NGET              | Transmission FES for England & Wales Licence Areas              | 4 regional scenarios based on 2018 GB FES projections of decentralisation & decarbonisation & NGET's own energy scenario                                  | February 2019 |
| SPT               | Transmission FES for Central and Southern Scotland Licence Area | 4 regional scenarios based on 2019 GB FES projections of decentralisation & decarbonisation   | October 2019  |
| SSEN Distribution | Distribution FES for Northern Licence Area                      | 4 regional scenarios based on 2018 GB FES projections of decentralisation & decarbonisation   | Autumn 2019   |
| SSEN Distribution | Distribution FES for Southern Licence Area                      | 4 regional scenarios based on 2018 GB FES projections of decentralisation & decarbonisation   | February 2019 |
| SSEN Transmission | Transmission FES for North of Scotland Licence Area             | Update and refinement of 3 regional scenarios published in August 2018  | Summer 2019   |
| UKPN              | Distribution FES for Eastern, Southern & London Licence Areas   | 4 scenarios per licence network based on the 2018 GB FES projections of decentralisation & decarbonisation  | Oct/Nov 2019  |
| WPD               | Distribution FES for South Wales Licence Area                   | 4 regional scenarios based on 2017 GB FES projections of economic prosperity and green ambition   | February 2019 |
| WPD               | Distribution FES for East Midlands Licence Area                 | 4 regional scenarios based on 2018 GB FES projections of decentralisation & decarbonisation   | Autumn 2019   |

#### 4. Scenario documents published in 2018 and 2019

In 2018, there were a number of scenario documents published by the network companies and Electricity System Operator. The list shown below details the different scenario documents that were published in 2018 and provides links to each of the respective documents:

**ENWL** – Distribution Future Electricity Scenarios and Regional Insights  
<https://www.enwl.co.uk/get-connected/network-information/dfes/>

**NPg** – Distribution System Operator: Next steps and emerging thinking  
<https://www.northernpowergrid.com/asset/0/document/4682.pdf>

**NGESO** – Future Energy Scenarios 2018  
<https://fes.nationalgrid.com/fes-document/>

**SPT** – RIIO-T2: Central and Southern Scotland Electricity Scenarios 2018  
[https://www.spenergynetworks.co.uk/userfiles/file/SPT\\_RIIO\\_T2\\_Electricity\\_Scenarios\\_2018](https://www.spenergynetworks.co.uk/userfiles/file/SPT_RIIO_T2_Electricity_Scenarios_2018)

**SSEN Transmission** – North of Scotland Future Energy Scenarios  
<https://www.ssen-transmission.co.uk/media/2912/North-of-Scotland-Future-Energy-Scenarios>

**WPD** – West Midlands Scenarios  
[www.westernpower.co.uk/downloads/4025](http://www.westernpower.co.uk/downloads/4025)

**WPD** – South West Scenarios  
[www.westernpower.co.uk/downloads/6710](http://www.westernpower.co.uk/downloads/6710)

In addition to the list above, several scenario documents have been published in 2019 which are shown below:

**NGET** – Managing Uncertainty in RIIO-T2  
<https://www.nationalgridet.com/document/129626/download>

**SSEN Distribution** – SSEN South FES Scenarios  
<https://www.ssen.co.uk/workarea/DownloadAsset.aspx?id=16703>

**WPD** – South Wales Scenarios  
[www.westernpower.co.uk/downloads/27538](http://www.westernpower.co.uk/downloads/27538)

## 5. Glossary

**ENWL** – Electricity North West

**ESO** – Electricity System Operator

**NPg** – Northern Powergrid

**NGESO** – National Grid Electricity System Operator

**NGET** – National Grid Electricity Transmission

**SPT** – Scottish Power Transmission

**SSEN** – Scottish and Southern Electricity Networks

**UKPN** – UK Power Networks

**WPD** – Western Power Distribution