



# Winter Maintenance Plan Draft Version

October 2021 – September 2023

27<sup>th</sup> August 2021

**nationalgrid**

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# 1. Introduction

Each year National Grid undertakes a variety of maintenance and investment activities on the gas National Transmission System (NTS). This work can take many different forms, including keeping our assets in good working order, replacing ageing assets with new equipment, inspecting assets and facilitating new connections and capacity requirements.

This maintenance programme is intended to provide an indication to the gas industry of the impact of these works on the NTS, and any associated impact on entry or exit capacity from October 2021 to September 2023. This programme supersedes all previous plans.

This document provides an overview of all work scheduled at NTS compressor stations and NTS pipelines.

Although every effort is made to align work to any customer or associated asset outages which we have been made aware of, this is not always possible and where NTS Exit Points are affected, we will endeavour to issue Maintenance Day notices to our customers at least 42 days in advance of the scheduled Maintenance work.

This document only includes maintenance activities on the NTS which are to be undertaken by National Grid NTS. It does not include maintenance carried out upstream of the NTS by Delivery Facility Operators (DFOs) and Producers or downstream of the NTS by the Distribution Networks and other NTS connected parties.

## 2. NTS Maintenance Work Monthly Summary

The following tables provide a summary of the NTS in line inspection work, other NTS pipeline work and NTS compressor outages. The month where the work is scheduled to take place has been highlighted in the tables. If it is the case that any work listed below has an effect on the flow of gas, affected sites and associated shippers will be contacted individually. The tables indicate which month the work takes place in, not that the work will take the whole of the month.

### 2.1 Planned In-Line Inspections

National Grid is required to carry out in-line inspections of our pipelines periodically in order to monitor and maintain their integrity, ensuring that they comply with the Pressure Systems Safety Regulations (PSSR). The in-line inspection process requires a number of Pipeline Inspection Gauges (PIGs) to travel through the pipeline in order to complete a full inspection. The number of “runs”, and the associated time taken for the work, can vary from pipeline to pipeline.

 = Confirmed period  = Provisional period

Area	In Line Inspections	2021			2022						2023		
		Oct	Nov	Dec	Jan	Feb	March	Q2	Q3	Q4	Q1	Q2	Q3
NW	Fdr 11 – Longtown to Grayrigg	Confirmed											
NW	Fdr 04 – Partington to Warburton	Confirmed											
EA	Fdr 17 – Theddlethorpe to Hatton	Confirmed											
SC	Fdr 10 – Kirriemuir to Bathgate	Confirmed											
NO	Fdr 15 – Longtown to Plumpton		Confirmed										
SC	Fdr 10 – St Fergus to Aberdeen		Confirmed										
NW	Fdr 11 – Salmesbury to Blackrod		Confirmed										
NW	Fdr 16 – Pennington to Sellafeld			Confirmed									
EA	Fdr 22 – Hatton to Peterborough			Confirmed									
SC	Fdr 11 – Kirriemuir to Bathgate						Provisional						
EA	Fdr 05 – Braintree to Horndon							Provisional					
EA	Fdr 03 – Gt Wilbraham to Whitwell							Provisional					
EM	Fdr 07 – Tydd St Giles to Gosberton							Provisional					
EM	Fdr 07 – Tydd St. Giles to Old Warden							Provisional					
NE	Fdr 07 – Susworth to Cawood							Provisional					
NE	Fdr 13 – Yafforth to Towton							Provisional					
SC	Fdr 10 – Aberdeen to Kirriemuir							Provisional					
SC	Fdr 10 – Bathgate to Glenmavis							Provisional					
SC	Fdr 11 – Kirriemuir to Bathgate							Provisional					
SO	Fdr 09 – Steppingley to East Ilsley							Provisional					
WM	Fdr 21 – Audley to Alrewas							Provisional					

WS	Fdr 28 – Felindre to Cilfrew																		
WS	Fdr 28 – Felindre to Three cocks																		
WS	Fdr 28 – Herbrandston to Felindre																		
EA	Fdr 03 – Whitwell to Peters Green																		
EM	Fdr 22 – Goxhill to Hatton																		
NE	Fdr 29 – Pannal to Nether Kellet																		
NW	Fdr 11 – Grayrigg to Samlesbury																		
SC	Fdr 11 – Bathgate to Longtown																		
SC	Fdr 12 – Bathgate to Longtown																		
SC	Fdr 12 – Kirriemuir to Bathgate																		
SC	Fdr 10 – Penicuik to Boon																		
SW	Fdr 20 – Kenn (South) to Choakford																		
WM	Fdr 14 – Alrewas to Churchover																		
WS	Fdr 02 – Treadow to Dowlais																		
WS	Fdr 02 – Wormington to Treadow																		

## 2.2 Pipeline Work

Pipeline work listed in this table below can include diversions of existing pipelines, facilitation of connections to the NTS, and replacement or maintenance of pipeline and associated assets (pipes, valves, pig traps etc.) which require some form of pressure restriction or isolation. Some work can be performed by restricting the pressure of gas in the pipeline; however some work requires a full shut down (often termed “isolation” or “outage”) of a section of the pipeline which would then be reinstated back to operational pressures once the work is completed.

 = Pressure Restriction

 = Pipeline Shutdown

 = Provisional period

Area	Pipeline Work	2021			2022				2023				
		Oct	Nov	Dec	Jan	Feb	March	Q2	Q3	Q4	Q1	Q2	Q3
WM	Feeder 02 Wormington to Frankton												
SC	Feeder 12 Drum to Blackness												
SC	Feeder 12 Bathgate to Elvanfoot												
NW	Feeder 21 Audley to Weston Bank												
NW	Feeder 04 Audley to Nantwich												
SC	Feeder 24 Auchnagatt to Lochside												
NO	Feeder 15 Keld to Lupton												
EA	Feeder 07 Linwood to Hatton												
EA	Feeder 18 New Wimpole to Cambridge Tee												
NO	Feeder 15 Plumpton to Keld												
SC	Feeder 13 St Fergus to Aberdeen												
EM	Feeder 07 Susworth Trent East to Blyborough												
SC	Feeder 11 Aberdeen to Kirriemuir												
SW	Feeder 14 Broadway to Woodbury												
NE	Feeder 06 Elton to Pickering												
SC	Feeder 1 Kinknockie to Aberdeen												
SC	Feeder 11 St Fergus to Kinknockie												
EA	Feeder 03 Hardingham to Felthorpe												
NE	Feeder 07 Asselby to Drax												
NT	Feeder 16 Stapleford Tawney to Stanford Le Hope												
WM	Feeder 14 Austrey to Shustoke												
NW	Feeder 15 Burscough to Crank												
SC	Feeder 12 Nether Howcleugh to Langholm												
SC	Feeder 10 Coldstream to Wooler												
NW	Feeder 21 Alrewas to Weston Bank												
NW	Feeder 04 Audley to Nantwich												
NE	Feeder 06 Beeford to Hornsea (Leg 1)												
NE	Feeder 06 Beeford to Hornsea (Leg 2)												

NT	Feeder 05 Chester Rd to Luxborough Lane												
WS	Feeder 02 Dowlais to Dyffryn Clydach												
NT	Feeder 05 Horndon to Tilbury Thames												
NW	Feeder 21 Wheelock to Audley												
NO	Feeder 10 Hume to Coldstream												
SC	Feeder 10 Soutra to Hume												
NO	Feeder 11 Carlisle to Lupton												
WS	Feeder 02 Dowlais to Llanvetherine												
SC	Feeder 13 Haddington to Wooler												
SC	Feeder 11 Lockerbie (stopple) to Longtown												
WS	Feeder 28 Felindre to Three Cocks												
NE	Feeder 06 Pickering to Ganstead												
SC	Feeder 10 St Fergus to Tarves												

Please note: where a pipeline is required to be shut down the specific isolation points may differ from those displayed above. Any parties impacted by the works are contacted directly.

## 2.3 NTS Compressor Stations

Compressors are used to help move gas around the NTS to where it is needed, maintaining pressures required at exit points whilst avoiding over-pressurising pipelines. In order to maintain our capability at Compressor Stations, routine maintenance is performed as well as a variety of other projects to maintain and improve the fleet.

 = Confirmed period       = Provisional period

Compressor Stations	2021			2022						2023		
	Oct	Nov	Dec	Jan	Feb	March	Q2	Q3	Q4	Q1	Q2	Q3
Aberdeen												
Alrewas												
Avonbridge East												
Avonbridge West												
Aylesbury												
Bishop Auckland												
Carnforth												
Cambridge												
Chelmsford												
Churchover												
Diss												
Felindre												
Hatton												
Huntingdon												
Kings Lynn												
Kirriemuir												
Lockerley												
Moffat												
Nether Kellet												
Peterborough												
Warrington												
Wisbech												
Wooler												
Wormington												



## 3. Maintenance Affected Exit Points

We aim to minimise the impact of our maintenance on customers through transparency, aligning our work with their outages as appropriate and facilitating customer needs for flexibility.

### Outages

Each year we ask when our customers' outages are to enable alignment of works. If your outages move, please get in touch as early as possible so that we can consider whether we can also realign our works to reduce any impact of these works. Please contact us to advise of any change to outage periods via email at [NTSaccessplanning@nationalgrid.com](mailto:NTSaccessplanning@nationalgrid.com).

Where possible, work is co-ordinated with the end user to avoid supply disruption, however in certain circumstances it may be necessary to schedule work at a time which may require disrupting the supply to an Exit Point whilst the NTS maintenance is undertaken.

Shippers, End-Users and Distribution Networks will be advised, in accordance with the Uniform Network Code (UNC) requirements and timescales, of any required disruptions to supply at an Exit Point by the issuing of a Maintenance Day(s) to the relevant party.

Maintenance Day notifications will be issued by February 1<sup>st</sup> each year to all relevant parties where our maintenance will impact gas flows for the period April to October. Where work is aligned to customer outages, or there is no anticipated impact, we will issue an Advice notice for your convenience to confirm these arrangements. Should any changes or additions to the requested Maintenance Days be required, all relevant parties will be notified in line with the timescales detailed in the UNC.

### Minor Works Agreement

We recognise that sometimes standard maintenance approaches may not be optimal for our customers. Where this is the case the Minor Works Agreement can enable parties to agree different maintenance approaches through a bilateral contract with directly connected customers. Customers can pay the incremental costs of working flexibly outside normal working practices where we are able to accommodate these requests. For any questions relating to Minor Works Agreements, please contact the Business and Operations Planning Team on 01926 655625 or email via [box.SCM.GTO@nationalgrid.com](mailto:box.SCM.GTO@nationalgrid.com).

## **General Queries**

Further information on the maintenance activities undertaken by us is available on our website<sup>1</sup>.

If you have any queries or questions regarding the information contained within this document, please contact:

Network Access & Short Term Risk Team

National Grid

Gas System Operation

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Gallows Hill

Warwick

CV34 6DA

[NTSaccessplanning@nationalgrid.com](mailto:NTSaccessplanning@nationalgrid.com)

Tel: 01926 655958

We would welcome any feedback from you in relation to the maintenance programme or the way in which this information is provided. If you would like to provide feedback please contact us via email at:

[NTSaccessplanning@nationalgrid.com](mailto:NTSaccessplanning@nationalgrid.com)

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<sup>1</sup> <https://www.nationalgridgas.com/data-and-operations/maintenance>

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