Public

National Energy System Operator

Ancillary Services Backing Reports Guide

Version 3

April 2026

Public

CONTENTS

1 Introduction

Ancillary Services backing data is saved to each provider's SharePoint on the next working day following the prelim and final statement day (i.e. working day +8 and working day + 18).

Backing data is only shared to those recipients documented on the contacts form submitted to NESO (A Contacts template is available on the NESO website).

2 Backing Reports Naming convention

The standard naming convention for the backing reports is shown below.

NNN_COMP_MMMYY_TTTTT.type

Where:

NN/NNN is a two- or three-character code to identify the report type.

COMP is the Company Code

MMMYY is the report month and year

TTTTT is the report version e.g. PRELIM (01_01) or FINAL (03_01)

Type CSV or DAT

DAT reports are summary reports, presented in GMT, that can be opened using WORDPAD. They are currently only provided for the STOR service.

CSV reports are detailed service reports, presented in GMT, that can be opened in excel for review and manipulation.

3 CSV Payment Reports Overview

Report Identifier	Report Name	Description
ADJ	Adjustment report	An exclusive backing data piece applicable only where there has been an adjustment applied to Final Settlement relating to any month/s prior
RF	Balancing Reserve, Quick Reserve, and Slow Reserve	BR, QR, and SR Events of Default Report. *The report name may show as RF1 or RF2, if the Provider has tendered in multiple Reserve services. They are split into each service.
RS	Balancing Reserve	BR Payments Settlement Report by Unit
BSD	Black Start Declarations	Black Start Availability and Unavailability by Effective date and time

BSU	BM Start Up	BM Start Up and Hot Standby payments by unit/instruction
BST	Black Start Availability	Black Start Availability and Unavailability by Settlement Period and Payment
BUS	By Unit Summary	A finalised monthly settlements breakdown for a given company. For a specific month/year, how much was paid for different Balancing/Ancillary Service activities by resource and service type.
DPG	Daily GBP	A finalised daily £ (GBP) breakdown of settlements for a company, showing what amount was applied on each day, by resource, service type, and pay code (and whether it's self-billed).
FFR	Dynamic Services	DM/DC/DR Frequency Response settlement payment report from STAR by unit.
FFS1	Optional Fast Reserve	Optional Fast Reserve Settlement Report (Availability and Utilisation) by unit
FSA	Fast Start Availability	Fast Start Availability payments by unit
FSU	Fast Start Utilisation	Fast Start Utilisation payments by unit/Instruction
GSA	General Settlement Availability	The report shows how each payment is built up per unit, per day, per settlement period, including the pay rate applied and any failure flags that could reduce/stop payment.
GSI	General Settlement Instruction	This report is a settlement-period, instruction-based payment breakdown.
HOS	Hydro Other Services	Spin Pump, Spin Gen, Pump Deload and Rapid Start payments by unit
HRA	Hydro Response Availability	Hydro Response Availability payments by unit/instruction segment
HRC	Hydro Response Commercial Imbalance	Hydro Commercial Imbalance payments/volumes by unit/SP

HRE	Hydro Response Energy	Hydro Response Energy payments/volumes by unit/SP(or part SP)
ICP	CAP76 Constraints	CAP 76 constraints settlement payment report by unit
IVC	Balancing Reserve	IVC Penalty report for Balancing Reserve
MC	Manual Correction report	Backing data for other services not covered within the reports detailed in the table
MFE	Mandatory Frequency Energy	Non-Hydro Response Energy payments/volumes by unit/SP(or part SP)
MFH	Mandatory Frequency Holding	Non-Hydro Response Holding payments by unit/instruction segment
MS, MS1 and MS2	Manual Settlement report	Backing data for other services not covered within the reports detailed in the table
MSL	Stability Liquidity Damages	Stability Liquid damages settlement/payment report by unit
MWD	Megawatt Dispatch	Megawatt Dispatch Settlement report by unit and day
RPC	Reactive Power Cost	Reactive Power Costs for default and market contracts by unit/day
RPV	Reactive Power Volume	Reactive Power Volumes for default and market contracts by unit/day
SBA	STOR BM Availability	STOR BM Availability payments by unit/SP (*Note: Excludes impact of bid-offer failures during ramping periods which may reduce the availability payment*)
SBU	STOR BM Utilisation	STOR BM Utilisation volumes
SA/SNA	STOR NBM Availability	STOR NBM Availability payments by unit/SP
SNU	STOR NBM Utilisation	STOR NBM Utilisation payment and volumes
SRU	Slow Reserve Utilisation	Slow Reserve Utilisation volumes
SRS	Slow Reserve	SR Payments Settlement Report by Unit

STLD	Stability Liquidated Damages	Stability Liquidated Damages values
QRS	Quick Reserve	QR Payments Settlement Report by Unit
QRU	Quick Reserve Utilisation	Quick Reserve Utilisation volumes

4. CSV Payment Report Contents

Report Identifier: ADJ **Report Name: Adjustment Report**

Report Field	Description
Comp Code	Four-character company code
Settlement Month	Settlement Month for which the adjustment is related to
Service	Service/Service Code
Payment on Final Invoice for Settlement Month	Payment value for the service on the Final Statement Invoice of the original settlement month
Adjustments Paid to Date	Value of previous adjustments if any, paid till date
Paid to Date	Value of payment made till date
Revised	Revised payment value
Adjustment	Adjustment Payment value
Interest	Calculated Interest for the adjusted value
Note	Important Notes or comments on the adjustment
Query Number	CRM Query Reference Number if the adjustment is related to a query

Report Identifier: RF **Report Name: BR, QR & SR Events of Default Report**

Report Field	Description
Comp Code	Four-character company code

ASB Resource Code	The unit that received an Event of Default
Failure Start	Start date and time of the Event of Default
Failure End	End date and time of the Event of Default
Failure Code	The Event of Default failure code utilised by both NESO and customers to identify the reason for the failure
Failure Description	A description of what the failure is
Tender Code	Balancing Reserve, Quick Reserve, or Slow Reserve identifier

Report Identifier: RS **Report Name: BR Settlement Report**

Report Field	Description
Comp Code	The company code
ASB Resource Code	A unique code for the resource participating in the Balancing Reserve
Tender Code	The code associated with the specific tender or auction.
Start Date/Time	The start date and time for the service provision.
End Date/time	The end date and time for the service provision.
Contracted Price	The price at which the auction cleared for the Balancing Reserve.
Contracted MW	The volume of Balancing Reserve cleared in the auction.
Service Provision	Indicates whether the service provided is Positive Balancing Reserve or Negative Balancing Reserve.
FPN	Final Physical Notification, which is the expected output of the unit.
BOA	Bid Offer Acceptance, which is the instruction sent by NESO to the unit.
QMEij	Metered Volume, which is the actual volume delivered by the unit.
Delivered Volume	Delivered Volume, which is the volume delivered as per the service agreement.
Delivery %	The percentage of the contracted volume that was delivered.

Util Fail Y/N	Indicates whether there was a failure in utilization (Yes/No).
MEL	Maximum Export Limit, the maximum output the unit can deliver.
MIL	Maximum Import Limit, the maximum input the unit can absorb.
SEL	Stable Export Limit, the stable output level the unit can maintain.
SIL	Stable Import Limit, the stable input level the unit can maintain.
MNZT	Minimum Non-Zero Time, the minimum time the unit must operate above zero output.
MZT	Minimum Zero Time, the minimum time the unit must operate at zero output.
Headroom MW	The available capacity above the current output that can be dispatched.
Footroom MW	The available capacity below the current output that can be dispatched.
Response Time (mins)	The time taken for the unit to respond to a dispatch instruction.
Cease Time (min)	The time taken for the unit to cease delivery after a dispatch instruction.
Avail Fail Y/N	Indicates whether there was a failure in availability (Yes/No).
Response MWH	Total energy (MWh) delivered under BR instruction during the interval.
Invalid Tender Y/N	Flags if the BR tender for the interval was invalid.
Payment	The Payment
Commercially Unavailable	Flags if the unit was commercially unavailable to deliver Quick Reserve in this interval. (Yes/No)

Report Identifier: BSD **Report Name: Black Start Declarations Report**

Report Field	Description
ASB_PAYEE_CODE/Company	Four-character company code
ASB_STATION_CODE/Station	Four-character station code

DECLARATION	Status of site availability
EFFECTIVE DATE AND TIME	Date and time of declaration

Report Identifier: BST **Report Name: Black Start Payment Report**

Report Field	Description
Company	Four-character company code
Station	Four-character station code
Date	Date of payment value
Month	Settlement Month
SP Start	Settlement period start
SP End	Settlement period end
Availability for BS	Availability status
Pay code 1	Four-character code utilised by NESO to identify the service
Value	Payment value
Pay code 2	Four-character code utilised by NESO to identify the service
Value 2	Payment value for second service

Report Identifier: BSU **Report Name: BM Start Up**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied which is deemed to be the same as the date the unit is instructed to achieve HSTT.

INSTRUCTION_TIME	The time the instruction was issued
WARMING_START_TIME	The calculated time that service provision commences
HSTT_TIME	The date and time the unit is instructed to achieve a state of Hot Standby
NDZ_DUR	The notice to deviate from zero time effective when the BM Start Up Instruction was issued
TNTS_DUR	The Contractual Tnts time derived from the NDZ effective when the BM Start Up Instruction was issued.
CEASE_CODE	Four Character Code identifying why service provision was deemed to cease.
CEASE_TIME	The time that the service provision was deemed to cease.
MWTOZERO	The time that the output of the instructed unit returns to zero if the units generation overlaps the WARMING_START_TIME
REVISED_NDZ_TIME	The time when the unit re-declared NDZ to the Contractual Tnts value.
SYNC_TIME	The time when the unit synchronises
SYNC_CHECK	The type of synchronisation check
PAY_START	Payment start
PAY_END	Payment end
PAY_RATE	Payment rate
PAY_VALUE	Payment value
REASON_NOPAY	Reason code for non-payment

Report Identifier: BUS **Report Name: BUS Company Report**

Report Field	Description
Comp	Four-character company code
ASB Resource Codie	The ASB unit code utilised to identify the unit supplying the service

Service Category	The broad bucket of service (e.g., Reactive, Frequency Response, Reserve, Restoration, Constraints).
Service Type	The specific service within that category (e.g., Black Start Availability, BM Reserve Availability).
Total	The net settlement value for that service line in that month.
Month/Year	The period

Report Identifier: DPG **Report Name: Daily GBP Report**

Report Field	Description
Comp Code	Four-character company code.
ASB Resource Codie	The ASB unit code utilised to identify the unit supplying the service.
Pay Date	The day the settlement line relates to.
Service Type	The specific service within that category (e.g., Black Start Availability, BM Reserve Availability).
Pay Code	The short code used for billing/settlement classification (e.g., BSAV, RDUD, GNRE).
Tender Code	Tender reference.
GBP Total	The £ value for that single line on that date.
Self-Bill Y/N	Whether the transaction is self-billed.

Report Identifier: GSA **Report Name: General Settlement Availability**

Report Field	Description
Comp Code	Four-character company code.
ASB Resource Code	The ASB unit code utilised to identify the unit supplying the service.
Pay Date	The day the settlement line relates to.
Settlement Period	The half-hour period number in the day (typically 1–48).

Pay Code	The short code used for billing/settlement classification (e.g., BSAV, RDUD, GNRE).
Avail Fail (Y/N)	Indicates an availability failure status for that period.
Fail (Y/N)	Indicates a failure event.
Fail Code	Provides the failure code.
MEL Fail (Y/N)	Flags issues tied to MEL.
Pay Rate	The £/€ rate applied for that settlement period.
Settlement Currency	Currency used for settlement calculation.
GBP Payment	Output payment values by currency.
EURO Payment	Output payment values by currency.

Report Identifier: GSI **Report Name: General Settlement Instruction**

Report Field	Description
Comp Code	Four-character company code.
ASB Resource Code	The ASB unit code utilised to identify the unit supplying the service.
Pay Date	The day the settlement line relates to.
Settlement Period	The half-hour period number in the day (typically 1–48).
Pay Code	The short code used for billing/settlement classification (e.g., BSAV, RDUD, GNRE).
Pay Rate	The £/€ rate applied for that settlement period.
Settlement Currency	Currency used for settlement calculation.
Instructed Minutes	How long the instruction applied for within that settlement period.
MW	The instructed MW volume.
GBP Payment	Output payment values by currency.
EURO Payment	Output payment values by currency.

Report Identifier: FFE **Report Name: Dynamic service Performance data Penalty Report**

Report Field	Description
Comp	Four-character company code
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
Date	Payment Date
SP	Service Settlement Period
Service	Service name
From	Service Start Date/Time
To	Service End Date/Time
Payment Type	Type of Payment
Tendered Service	Type of dynamic service provided
Pay Code	Payment Code
Instructed	Has the unit been instructed or not
Contracted MW	Contracted Volume
1MW LF Response	1MW Low Frequency Response
1MW HF Response	1MW High Frequency Response
LF Response MWh	Low Frequency Volume provided
HF Response MWh	High Frequency Volume Provided
Price	Payment rate/price
LF Response Payment	Payment for Low Frequency service provided
HF Response Payment	Payment for High Frequency service provided
Total Payment	Total Payment Value

Report Identifier: FFR Report Name: Dynamic Services Settlement Report

Report Field	Description
Comp	Four Character Company Code
ASB Resource	Unit IDs that are in STAR system
Service	Advises what Service is being paid - 'FFR' - Firm Frequency Response.
Payment Type	Four Character Payment Type - This can be one of four - DCON, DMOD, DREG, STAT. Depending on whether payment is for DM, DR, DC or static FFR
Tendered Service	This shows which service was a being provided E.G, DCH, DCL, DMH, DML, DRH, DRL, STATIC. These show what service is being used and whether it is low or high frequency
Pay Code	Four-digit pay code that is being paid to provider - either GBAV for BM or GNAV for NBM units
From	The beginning date and time of the service being provided in UTC
To	The end date and time of the service being provided in UTC
SP	Settlement period this date and time belongs to
Contract MW	Contracted MW
Price	Price per MWH per successful Tender
Avail MW at GC	Available MW at Gate Closure (declared MW 90 minutes before delivery)
Min Avail MW	Minimum available MW
Partial Availability (Y/N)	This column will show any partial availability in services
Availability Flag	Flag showing if the unit was unavailable (0) or available (1) for the service
Performance Factor	This can either be a value between 0 and 1. This is the calculated Performance Factor (incl. K Factor & other factors) for the Settlement Period.
EOD (Y/N)	Event of default

Payment	Service payment for Settlement Period after application of penalties for availability or performance.
Holding Volume	Holding volume = contracted MW (per hour)/2 = volume per SP available
Reduction In Payment	Reduction In Payment = "100% service payment before application of penalties" – "Service payment after application of penalties for availability or performance".

Report Identifier: FFS1 Report Name: Optional Fast Reserve Settlement Report

Utilisation Data:

Report Field	Description
ID	Unique code assigned by the control room/ASDP team to ensure duplication doesn't occur
Contract Name	Contract ID
Dispatch Date/Time	Date/time when the control room issued the request to utilise the unit (Utilisation Start Time)
Contracted Volume	Volume agreed as per contract to be provided for the time/day
Utilisation Rate	Payment rate for service utilisation
Recovery Time Started	Date/time when the control room issued a cease instruction (Utilisation stop time) (Utilisation is paid until Recovery Date/Time + Response Time)
Service Type	Type of service provided which will be OPT_FAST_RESERVE
Metered Volume	actual volume delivered based on metering files received from ASDP during the utilisation period
Delivery	Expected Energy to be delivered based on the declared/contracted MW * the utilisation period
Volume	Payment volume (Lesser of the 'Metered (volume)' and '(expected) Delivery')
Utilisation Payment	Payment value for the service volume provided

Report Identifier: FSA **Report Name: Fast Start Availability**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
PAY_DATE	The settlement date on which the service was supplied
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_START	Payment start
PAY_END	Payment end
FAIL_CODE	Four-character failure code
PAY_ACTUAL	Actual Payment
PAY_VALUE	Confirmed Payment value

Report Identifier: FSU **Report Name: Fast Start Utilisation**

Report Field	Description
ASB_COMP_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied
BOA_ISSUE	Time Bid-Offer Acceptance Instruction was issued
BOA_START	Time Bid-Offer Acceptance Instruction was due to start ramping
BOA_TARGET	Time Bid-Offer Acceptance Instruction was due to achieve instructed MW

METERED_VOLUME	Volume of energy metered/delivered
EXPECTED_VOLUME	Volume of energy that should be delivered
PAY_RATE	Payment Rate
PAY_VALUE	Payment Value
FAIL_CODE	Four Character reason code to identify service delivery failure

Report Identifier: HOS **Report Name: Hydro Other Services**

Report Field	Description
Company Code	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied
PAY_START	Payment Start
PAY_END	Payment End
LF_TRIP_LEVEL	LF Trip Level Instructed
LF_FACTOR	This identifies the LF factor utilised in the calculation. The value will default to 1, where there is no applicable value
FIRM_SERVICE_NON_PAY	If there is an accepted tender for a Firm Service that will result in non-payment for an optional service; then this will be flagged with a "Y", else "N" . (replacement for OVERLAY_ID)
PAY_RATE	Payment Rate
PAY_VALUE	Payment Value
HOLDING VOLUME	This is utilised for NESO reporting, no settlement impact.

Report Identifier: HRA **Report Name: Hydro Response Availability**

Report Field	Description
Company Code	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied
PAY_START	Payment Start
PAY_END	Payment End
MODE_ID	Frequency Response Service Mode Instructed.
DROOP_LEVEL	Frequency Response Droop Level Instructed
LF_TRIP_LEVEL	LF Trip Level Instructed
LF_FACTOR	This identifies the LF factor utilised in the calculation. The value will default to 1, where there is no applicable value
FIRM_SERVICE_NON_PAY	If there is an accepted tender for a Firm Service that will result in non-payment for an optional service; then this will be flagged with a "Y", else "N". (replacement for OVERLAY_ID)
Mandatory/Commercial	M for a Mandatory Response service C for a Commercial Response Service
Price	New name for PAY_RATE
START LOAD	BM profile at the start of the instruction segment
START MEL	MEL at the start of the instruction segment
START SEL	SEL at the start of the instruction segment
END LOAD	BM profile at the end of the instruction segment
END MEL	MEL at the end of the instruction segment
END SEL	SEL at the end of the instruction segment
START DELOAD	START MEL - START LOAD

END DELOAD	END MEL - END LOAD
AVERAGE DELOAD	AVERAGE OF START AND END DELOAD
SCALING FACTOR	1
CAPABILITY	Name change from RESP_CAPABILITY
PAY_VALUE	Payment Value
DUTY	PRSH

Report Identifier: HRC **Report Name: Hydro Response Commercial Imbalance**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied
PAY_START	Payment Start
PAY_END	Payment End
AVAIL_LEV	Maximum Export Limit MW
LOAD	BM Profile MW
DELOAD	MEL – BM Profile
MODE_ID	Frequency Response Service Mode Instructed.
OVERLAY_ID	Four Character Code to identify whether the service was supplied during a nominated Firm Frequency Response window
DROOP_LEVEL	Frequency Response Droop Level Instructed
LF_TRIP_LEVEL	LF Trip Level Instructed
IMBALANCE_VOLUME	Metered Volume less Expected Metered Volume

SYS_BUY_PRICE	System Buy Price
SYS_SELL_PRICE	System Sell Price
PAY_RATE	Payment Rate
PAY_VALUE	Payment Value
EVENT_CODE	Reason For non-payment

Report Identifier: HRE **Report Name: Hydro Response Energy**

Report Field	Description
Company Code	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied
PAY_START	Payment Start
PAY_END	Payment End
MODE_ID	Frequency Response Service Mode Instructed.
Mandatory/Commercial	M for a Mandatory Response service C for a Commercial Response Service
SCAL_FACTOR	1
RESPONSE_VOLUME	Response Holding Volume
REFERENCE_PRICE	Reference Price (Market Index Price)
PAY_VALUE	Payment Value

Report Identifier: ICP **Report Name: CAP76 Settlement Report**

Report Field	Description
Company Code	Four Letter Company Code
Station Code	Four Letter Station Code
Date	Date of Payment Value
SP	Number of Settlement period
Rate	Payment Rate per hour
Value	Payment Value

Report Identifier: MC **Report Name: Manual Corrections Report**

Report Field	Description
ASB Payee Code	Four Letter Company Code
Pay Code	Payment Code for service type
Pay Date	Date of Payment Value
Pay Value	Value of payment

Report Identifier: MFE **Report Name: Mandatory Frequency Energy**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied
PAY_START	Payment Start
PAY_END	Payment End

MODE_ID	Frequency Response Service Mode Instructed.
CONFIG_FACTOR	Contracted Configuration Scaling Factor (default 1)
SCAL_FACTOR	CCGT configuration scaling factor
RESPONSE_VOLUME	Response Energy Volume
PAY_VALUE	Payment Value
REFERENCE_PRICE	Market Index Price

Report Identifier: MFH **Report Name: Mandatory Frequency Holding**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAYCODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCECODE	The ASB unit code utilised to identify the unit supplying the service
PAYDATE	The settlement date on which the service was supplied
PAYSTART	Payment Start
PAYEND	Payment End
MODEID	Frequency Response Service Mode Instructed.
EVENTCODE	Reason for segmenting the Instruction
LOAD	BM Profile MW
MEL	Maximum Export Limit MW
SEL	Stable Export Limit
SCAL_FACTOR	CCGT configuration scaling factor
CAPABILITY	Response Holding Volume
PAYVALUE	Payment Value

DUTY	Whether the service was instructed to provide Primary and HF response or Primary Secondary and HF Response.

Report Identifier: MS **Report Name: MS DTUT**

Report Field	Description
Comp code	Four-character company code
Supplier Name	Name of company
Virtual/Aggregated Lead Unit Registered	NESO unit name
Date	Service delivery date YY-MM-YYYY
Settlement Period	Settlement period
Payment	Calculated payment
Baseline MWh	Baseline volume in MWh
Metered MWh	Metered volume in MWh
Delivered MWh	Delivered volume in MWH
Accepted Utilisation Price GBP per MWh	Accepted Utilisation Price GBP per MWh
Demand Reduction Volume (MW)	Tenderer Reduction Volume in MW
DFS Settlement Volume (MWh)	Calculated DFS Settlement Volume in MWh
Delivery %	Calculated DFS Delivery Volume in Percent
k Factor	DFS calculated K factor

Report Identifier: MS **Report Name: MS LCM**

Report Field	Description
Totals grouped by Obligation ID and period	The time period of the performance calculation
System Operator Name	Name of the buying contracting party
Flex Provider Name	Name of the selling contracting party
Piclo Contract ID	Piclo Contract ID is a Piclo generated reference that groups multiple bids/obligations that were approved in the same competition. Use this field to link with other data points in Piclo.
Obligation ID	Use this field to link with other data points in Piclo
Performance calculation Total Expected Availability (Hrs)	The hours that the FSP is expected to be available based on The Contracted Obligations file
Total Unavailability (Hrs)	Unavailability hours reported on Piclo by the FSP
Total Actual Availability (Hrs)	The actual hours the FSP was available calculated by Total Expected Availability - Total Actual Unavailability
Availability Performance (%)	(Actual Availability / Total Expected Availability) %
Total Capacity Contracted (kW)	The total power requested based on the dispatch instruction
Total Expected Delivery (kWh)	What the FSP is expected to deliver in total
Total Reported Delivered (kWh)	What Piclo reports to the SO about the delivery in accordance with the rules established by the SO
Monthly Settlement (kWh)	What the FSP will get paid on

Delivery Performance (%)	Total reported delivered / Total expected delivery %
Utilisation Price (£/kWh)	The price agreed in the bidding process
Availability Price (£/kW/h)	The price agreed in the bidding process
Total Availability Payment (£)	Total availability x Availability rate, adjusted by delivery performance in accordance with the rules established by the SO
Total Utilisation Payment (£)	Monthly settlement x Utilisation rate, adjusted by delivery performance in accordance with the rules established by the SO
Total Supplementary Payment (£)	Total supplementary payment based on market payment rules
Total Payment (£)	Total Availability Payment + Total Utilisation Payment + Total Supplementary Payment
System Operator ID	Piclo generated ID
Flex Provider ID	Piclo generated ID

Report Identifier: MS Report Name: MS Optional Fast Reserve (OFRA tab)

Report Field	Description
Declaration ID	Unit identifier
Contract Name	NESO unit name
Contracted Volume [MW]	Contracted Volume for arming period in MW
Availability Start Time	Arming start time
Availability End Time	Arming end time
Availability Rate [£/hr]	Contractual availability rate in GBP per hour

Availability Payment	Volume x availability rate x delivery period

Report Identifier: MS **Report Name: MS Optional Fast Reserve (OFRU tab)**

Report Field	Description
Unit name	NESO unit name
Day	Service delivery date YY-MM-YYYY
Start Date and Time	Start date & time of service period
End Date and Time	End date & time of service period
SP	Settlement period
Sum Delivery MW (by SP by instrution)	Total delivered MW in the instructed Settlement Period per received metering
Sum Delivery MW (by SP)	Total delivered MW in Settlement Period per received metering
Sum Expected MW	Total expected MW in the instructed Settlement Period
% Performance SP by instruction	Percentage Delivered vs Expected volume
SUM ABSVD	ABSVD reportable Volume for Settlement Period
SUM SPILL	Additional delivered volume in settlement period
Delivery MWh	Total delivered MWh in Settlement Period
Expected MWh	Total expected MWh in Settlement Period
ABSVD MWh	ABSVD reportable Volume MWH for Settlement Period
Spill MWh	Additional delivered volume in MWH in settlement period
Capped	Contractual capped MWH in Settlement Period
Delivery Rate	Contractual utilisation rate per MWH
Pay	Total Payment due for settlement period

Report Identifier: MSL Report Name: Stability Liquidity Damages Report

Report Field	Description
ASB Payee Code	Company Code to be paid
Pay Code	Service Code
Pay Date	Date of service provided
Pay Value	Payment value for service provided

Report Identifier: MWD Report Name: Megawatt Dispatch Settlement Report

Report Field	Description
Settlement Date	Settlement date on which service was provided
Settlement period	Settlement Period in which service was provided
Volume	Volume of service provided
Pay	Payment Value
Unit Id	ID of the Unit which provided the service
Pay code	Company code to be paid to

Report Identifier: RPC Report Name: Reactive Power Cost

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied
PAY_VALUE	Payment value

Report Identifier: RPV **Report Name: Reactive Power Volume**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied
QUANTITY	Reactive Power MVarh by unit/day

Report Identifier: SBA **Report Name: STOR BM Availability**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied.
SERVICE_PERIOD	Window number
PAY_START	Payment start (settlement period start)
AVAIL_LEV	Maximum export limit MW
BID_PRICE	Bid Price for BO pair number 1
OFFER_PRICE	Offer Price for BO pair number 1
BO_LEVEL	Bid-Offer volume associated with BO pair number 1
FPN_VOLUME	Final physical notification
NDZ	Notice to deviate from zero
MZT	Minimum zero time

MNZT	Minimum nonzero time
UTIL_FAIL	Utilisation failure flag
MAN_FAIL	Manual failure flag
AUTO_FAIL	Automatic failure flag
FF_STATUS	Failure flag FF (as defined in the STOR contract)
FM_STATUS	Failure flag FM (as defined in the STOR contract)
PAY_RATE	Payment rate
PAY_VALUE	Payment value

Report Identifier: SBU **Report Name: STOR BM Utilisation**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied.
SEASON_NUMBER	Season number (i.e. 1-6)
PAY_START	Payment start (start of SP)
PAY_END	Payment end (end of SP)
FPN_VOLUME	Final Physical Notification Volume
BO_VOLUME	BOA Volume
METERED_VOLUME	Metered Volume
EXPECTED_ENERGY	Expected Energy Volume
METERED_ENERGY	n/a
DELIVERED_ENERGY	n/a

CAPPED_ENERGY	n/a
RESPONSE_FAIL	Response Time failure
DELIVERY_FAIL	Delivery failure
OTHER_FAIL	Other failure

Report Identifier: SA/SNA **Report Name: STOR NBM Availability**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied.
CONTRACT_NUMBER	Contract number
SEASON_NUMBER	Season number (i.e. 1-6)
DAY_CODE	WD for working day, NWD for non-working day
SERVICE_PERIOD	Window number
PAY_START	Payment start (Start of SP)
PAY_END	Payment end (End of SP)
AVAIL_LEV	Maximum Export Limit MW
METERED_VOLUME	Metered volume
CAPBL_FAIL	Capability failure flag
UTIL_FAIL	Utilisation failure flag
MAN_FAIL	Manually entered failure flag
AUTO_FAIL	Automatically detected failure flag

FF_STATUS	Contract failure type FF (as defined in the STOR Contract)
FM_STATUS	Contract failure type FM (as defined in the STOR contract)
PAY_RATE	Payment rate
PAY_VALUE	Payment value

Report Identifier: SNU **Report Name: STOR NBM Utilisation**

Report Field	Description
ASB_PAYEE_CODE	Four-character company code
PAY_CODE	Four-character code utilised by NESO to identify the service
Service Description	Service name
RESOURCE_CODE	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied.
CONTRACT_NUMBER	Contract number
SEASON_NUMBER	Season number (1-6)
DAY_CODE	WD for working day, NWD for non-working day
SERVICE_PERIOD	Window number
UTIL_ISSUED	Time utilisation instruction issued
UTIL_START	Time the response time expires (i.e. contracted time by which contracted MW should be delivered)
UTIL_END	Time instruction to cease provision of STOR is issued.
PAY_START	Payment start
PAY_END	Payment end
CONTRACTED_ENERGY	Contracted energy volume to be delivered during the payment period
EXPECTED_ENERGY	Expected energy volume delivered during the payment period

DELIVERED_ENERGY	Actual volume delivered
CAPPED_ENERGY	Actual volume delivered capped by the expected volume
PAY_RATE	Payment rate
PAY_VALUE	Payment value
RESPONSE_FAIL	Response failure flag
DELIVERY_FAIL	Delivery failure flag
OTHER_FAIL	Other failure flag
RAMP_FLAG	Ramp up and ramp down periods

Report Identifier: SRS **Report Name: SR Settlement Report**

Report Field	Description
Comp Code	The company code
ASB Resource Code	A unique code for the resource participating in the Slow Reserve
Tender Code	The code associated with the specific tender or auction.
Start Date/Time	The start date and time for the service provision.
End Date/time	The end date and time for the service provision.
Contracted Price	The price at which the auction cleared for the Slow Reserve.
Contracted MW	The volume of Slow Reserve cleared in the auction.
Service Provision	Indicates whether the service provided is Positive Slow Reserve or Negative Slow Reserve.
Util Fail Y/N	Indicates whether there was a failure in utilization (Yes/No).
MEL	Maximum Export Limit, the maximum output the unit can deliver.
MIL	Maximum Import Limit, the maximum input the unit can absorb.
SEL	Stable Export Limit, the stable output level the unit can maintain.
SIL	Stable Import Limit, the stable input level the unit can maintain.

MNZT	Minimum Non-Zero Time, the minimum time the unit must operate above zero output.
MZT	Minimum Zero Time, the minimum time the unit must operate at zero output.
Headroom MW (minimum)	The available capacity above the current output that can be dispatched.
Footroom MW (minimum)	The available capacity below the current output that can be dispatched.
Maximum Calculated Response Time	Longest time taken in the interval to reach the required Slow Reserve level after an activation.
Maximum Calculated Cease Time (min)	Longest time taken in the interval to withdraw Slow Reserve after a cease instruction.
Avail Fail Y/N	Indicates whether there was a failure in availability (Yes/No).
Commercially Unavailable Y/N	Flags if the unit was commercially unavailable to deliver Slow Reserve in this interval. (Yes/No)
Payment (EXC IVC)	The Payment (excluding IVC for the current time)

Report Identifier: SRU **Report Name: Slow Reserve Utilisation**

Report Field	Description
Company Code	The company code
PAY_CODE	Four-character code utilised by NESO to identify the service
TENDERED_SERVICE	Service name
ASB Resource Code	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied.
INSTRUCTED MW	Instructed Megawatt
PAY_START	Payment start
PAY_END	Payment end

RESPONSE_MWH	Energy delivered during the response window
EXPECTED_ENERGY	Energy expected based on instruction
DELIVERED_ENERGY	Actual energy delivered
CAPPED_ENERGY	Energy capped due to limits or constraints
PAY_RATE	Payment rate
PAY_VALUE	Payment value
Response %	(RESPONSE_MWH ÷ EXPECTED_ENERGY) × 100
RESPONSE_FAIL	Response failure flag
Delivery %	(DELIVERED_ENERGY ÷ EXPECTED_ENERGY) × 100
DELIVERY_FAIL	Delivery failure flag
RAMP_FLAG	Indicates if ramping requirements were met

Report Identifier: STLD **Report Name: Stability Liquidity Damages Report**

Report Field	Description
ASB_PAYEE_CODE	Four Letter company code
PAY_CODE	Service Code
PAY_DATE	Date of Payment value
PAY_VALUE	Payment values

Report Identifier: QRS **Report Name: QR Settlement Report**

Report Field	Description
Comp Code	The company code
ASB Resource Code	A unique code for the resource participating in the Quick Reserve
Tender Code	The code associated with the specific tender or auction.
Start Date/Time	The start date and time for the service provision.

End Date/time	The end date and time for the service provision.
Clearing Price	The price at which the auction cleared for the Quick Reserve.
Clearing Volume	The volume of Quick Reserve cleared in the auction.
Service Provision	Indicates whether the service provided is Positive Quick Reserve or Negative Quick Reserve.
Util Fail Y/N	Indicates whether there was a failure in utilization (Yes/No).
MEL	Maximum Export Limit, the maximum output the unit can deliver.
MIL	Maximum Import Limit, the maximum input the unit can absorb.
SEL	Stable Export Limit, the stable output level the unit can maintain.
SIL	Stable Import Limit, the stable input level the unit can maintain.
MNZT	Minimum Non-Zero Time, the minimum time the unit must operate above zero output.
MZT	Minimum Zero Time, the minimum time the unit must operate at zero output.
Headroom MW	The available capacity above the current output that can be dispatched.
Footroom MW	The available capacity below the current output that can be dispatched.
Maximum Calculated Response Time (mins)	Longest time taken in the interval to reach the required Quick Reserve level after an activation.
Maximum Calculated Cease Time (min)	Longest time taken in the interval to withdraw Quick Reserve after a cease instruction.
Avail Fail Y/N	Indicates whether there was a failure in availability (Yes/No).
Commercially Unavailable Y/N	Flags if the unit was commercially unavailable to deliver Quick Reserve in this interval. (Yes/No)
Payment (EXC IVC)	The Payment (excluding IVC for the current time)

Report Identifier: QRU **Report Name: Quick Reserve Utilisation**

Report Field	Description
PAY_CODE	Four-character code utilised by NESO to identify the service
TENDERED_SERVICE	Service name
ASB Resource Code	The ASB unit code utilised to identify the unit supplying the service
PAY_DATE	The settlement date on which the service was supplied.
INSTRUCTED MW	Instructed Megawatt
PAY_START	Payment start
PAY_END	Payment end
RESPONSE_MWH	Energy delivered during the response window
EXPECTED_ENERGY	Energy expected based on instruction
DELIVERED_ENERGY	Actual energy delivered
CAPPED_ENERGY	Energy capped due to limits or constraints
PAY_RATE	Payment rate
PAY_VALUE	Payment value
Response %	(RESPONSE_MWH ÷ EXPECTED_ENERGY) × 100
RESPONSE_FAIL	Response failure flag
Delivery %	(DELIVERED_ENERGY ÷ EXPECTED_ENERGY) × 100
DELIVERY_FAIL	Delivery failure flag
RAMP_FLAG	Indicates if ramping requirements were met

4 CSV Additional Information Reports summary

Report identifier	Report Name	Description
ASI	Ancillary Services instructions	A list of all Ancillary Services instructions issued to BM service providers excluding Hydro Units e.g. For Frequency Response and BM Start-Up
NSD	NBM STOR declarations	A list of all NBM Week Ahead and Day Ahead Availability declarations, and the identification of rejected and excluded windows.
NSI	NBM STOR instructions	A list of all NBM STOR service call-off instructions
NSR	NBM STOR re-declarations	A list of all NBM Re-declarations of availability issued after 17:00 on the previous day.
PSI	Pumped Storage/Hydro instructions	A list of all Ancillary Service instructions issued to Hydro Units e.g. For Spin Gen and Response.

5 CSV Additional Information report contents

Additional Information Report**: ASI**

Report Name**: Ancillary Service Instructions**

Report Field	Description
ASB_COMP_CODE	Four-character company code
ASB_UNIT_CODE	ASB unit code

ASI_REFNUM	Instruction reference number
ASI_LOG	Instruction issue time
ASI_START	Instruction start time
ASI_TARGET	Instruction issue time
ASI_CODE	Service e.g. FRR (frequency response)
ASI_VALUE	Not currently used
ASI_REASON	Service type e.g.
ASI_EVENT	Payment trigger i.e. instruction target time
FILE_DATE	File date

Additional Information Report**: NSD**

Report Name**: NBM STOR Declarations**

Report Field	Description
ASB_COMP_CODE	Four-character company code
ASB_UNIT_CODE	ASB unit code
CONTRACT_NUMBER	STOR contract number
SERVICE_DATE	Settlement date service supplied (day runs 05:00 to 05:00 local time)
SERVICE_PERIOD	Service window
AVAIL_WEEK	Week ahead availability
AVAIL_LEVEL	Day ahead availability
FILE_DATE	File date
FILE_TYPE	Whether data was entered manually or automatically uploaded from a file
REVISED_WEEK	Manual update to week ahead availability
REVISED_LEVEL	Manual update to day ahead availability

REJECT_FLAG	Identification of rejected and excluded windows

Additional Information Report**: NSI**

Report Name**: NBM STOR Instructions**

Report Field	Description
ASB_COMP_CODE	Four-character company code
ASB_UNIT_CODE	ASB unit code
CONTRACT_NUMBER	Contract Number
INSR_START	Expiry of the contracted response time (i.e. issue time + contracted response time)
INSR_END	Instructed cease time
INSR_ISSUE	Instruction issue time
OP_LEVEL	Instructed MW
STATUS	Status of instruction
FILE_DATE	File date

Additional Information Report: **NSR**

Report Name**: NBM STOR Re-declarations**

Report Field	Description
ASB_COMP_CODE	Four-character company code
ASB_UNIT_CODE	ASB unit code
CONTRACT_NUMBER	Contract number
REDEC_START	Re-declaration start (the start of window for which availability has been re-declared)
REDEC_END	Re-declaration end (the end of the window for which availability has been re-declared)

REDEC_ISSUE	The time the re-declaration was issued.
AVAIL_LEVEL	The revised availability
FILE_DATE	File date

Additional Information Report: **PSI**

Report Name**: Pumped Storage Instructions**

Report Field	Description
ASB_COMP_CODE	Four-character company code
ASB_UNIT_CODE	ASB unit code
PSI_REFNUM	Instruction reference number
PSI_LOG	Instruction issue time
PSI_START	Instruction start time
PSI_TARGET	Instruction target time
PSI_EVENT	Payment trigger e.g. instruction target time
PSI_CODE	Service e.g. Spin Pump, LF, DROOP
PSI_VALUE	LF trip level or droop level associated (if applicable)
PSI_REASON	Service type e.g. PSHF
FILE_DATE	File date

6 DAT –STOR Reports Overview

The standard naming convention for the STOR Monthly reports is shown below. The reports are in Local time.

“NNN_COMP_MSMMMYY_nn_01.DAT”

NNN - the three character code to identify the report type.

COMP – the company code.

MMMYY - the report month and year.

nn - the report version. 01 = Prelim reports and 03 = Final reports

Report Identifier	Report Name	Description
SBT	STOR BM report for Utilisation	Provides utilisation volumes and payments by call-off
SBV	STOR BM Report for Availability Report	Provides availability payments by window accompanied by a reason for payment/nonpayment
SED	STOR (NBM and BM) event default report	Documents all events of default
SNT	STOR NBM Report for Utilisation	Provides utilisation volumes and payments by call-off
SNV	STOR NBM Report for Availability Report	Provides availability payments by window accompanied by a reason for payment/nonpayment

To view/Print the Reports

- Open the reports using Microsoft Office Word
- When the report opens select the Windows (default) option and Click OK
- For the reports SBT, SED and SNT use the page setup option and set All margins to 1.5cm, and orientation to Landscape.
- For the reports SBV and SNV use the page setup option and set All margins to 1.5cm, and orientation to Portrait.

7 STOR Monthly Availability reports content

Report Identifier: SBV/SNV Report **Report Name: STOR Monthly Availability Report**

Report Field	Description
Unit	ASB Unit Code
Contract Number	STOR Contract number
Settlement Date	The settlement date on which the service was supplied
Win No	Window Number
SP Start	Settlement Period Start
SP End	Settlement Period End
Availability Payment	Payment applicable to the period between SP Start and SP End
Status	The reason why the payment was made or withheld. Reason types are: **Available** - Unit is available to provide the service per declarations effective at gate closure for the pre-instruction window start. **Unavailable** - Unit has declared itself unavailable prior to gate closure for the pre-instruction window start. **Excluded** - The Window availability is excluded as the recovery period following a call-off overlaps the pre-instruction window of a subsequent contracted availability window. **Rejected** - The availability of a unit has been rejected by NESO. **EOD** - Non-payment due to a Contractual event of Default, the details of which are supplied on the SED report.

In addition, the reports contain the following monthly totals by contract: Total Availability payment, Number of Windows impacted by EODs, and % Availability Reduction for the unit.

Note: % Availability Reduction is applied after the preliminary statement is produced and thus will only be included on the Final Statement.

8 STOR Monthly Event of Default report content

Report Identifier: SED Report Name: STOR Monthly Event of Default Report

Report Field	Description
Unit	ASB Unit Code
Failure Start	Local Date and Time when failure starts
Failure End	Local Date and Time when failure ends
Failure Code	Four Character failure Code
Failure Description	Description of the failure

9 STOR Monthly Utilisation report content

Report Identifier: SBT Report Name: STOR Monthly NBM Utilisation Report

Report Field	Description
Supplier Code	ASB Unit Code
Sn	Season Number (1-6)
Start Date	Settlement date when service provided
SP	Settlement Period
Win	Window Number (if applicable)
FPN Volume	Final Physical Notification Volume
BidOffer Volume	Bid-Offer Acceptance Volume

QM Metered Volume	Metered Volume
QME expected Volume	Expected Volume
Expected Energy	Energy expected to be delivered in the settlement period (BidOffer Volume)
Delivered Energy	Uncapped energy delivered in the settlement period (Metered Volume + Spin Gen tolerance)
Delivy PerCent (%)	Delivered Energy/Expected Energy * 100
Capped Energy	Minimum of Expected Energy and Delivered Energy
Resp Fail	Response Time failure flag i.e. CRSP for a response time failure during a contracted availability window
Delv Fail	Delivery failure flag i.e. CDEL for a STOR delivery failure during a contracted availability window
Other Fail	Other Failure Flag

Report Identifier: SNT Report Name: STOR Monthly NBM Utilisation Report

Report Field	Description
Supplier Code	ASB Unit Code
Sn	Season Number (1-6)
Date	Settlement date when service provided
Issue time	Instruction Issue time
Start Time	Start of instruction segment
End Time	End of Instruction segment
Win	Window Number (if applicable)

Expected Energy	Energy expected to be delivered between Start time and end time
Delivered Energy	Uncapped energy delivered between start time and end time
Delivery Percent (%)	Delivered Energy/Expected Energy * 100 (note: Excludes ramping energy)
Capped Energy	Minimum of Expected Energy and Delivered Energy
Util Rate	Contracted Utilisation Rate (Normal Utilisation rate during Contracted Availability Windows and associated ramp up and ramp down periods, else Optional Utilisation rate)
Util Payment	Capped Energy * Util Rate
Resp Fail	Response Time failure flag i.e. CRSP for a response time failure during a contracted availability window, ORSP for a response time failure occurring in an optional availability window.
Delv Fail	Delivery failure flag i.e. CDEL for a STOR delivery failure during a contracted availability window, ODEL for a Delivery failure occurring in an optional availability window.
Ramp Flag	R during ramping periods, else blank Note: Instructions are segmented each settlement period, and for ramping and non-ramping periods.