



Making a positive difference
for energy consumers

National Energy System Operator
Limited, National Gas
Transmission Plc

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Date: 09 June 2026

Dear Company Secretaries,

June 2026 SIF Funding Direction

The Strategic Innovation Fund (SIF) is a funding mechanism for the Electricity System Operator, Electricity Distribution and Transmission, Gas Transmission and Distribution sectors, within the RIIO-2¹ and RIIO-3 network price controls.²

The purpose of this SIF Funding Direction³ is to:

1. Implement our recent decisions to distribute SIF Funding to the Cycle 5 projects that were awarded funding. Cycle 5 Discovery, Alpha and Beta were awarded funding on 09 June 2026⁴.

This funding direction will not be reconciling SIF Funding Returns from any previously completed projects. SIF Funding Returns now form part of an annual reconciliation process, capturing the regulatory year cycle to 31 March each year. In these annual SIF Funding Returns, all projects completed within the relevant regulatory year and requiring to return unspent SIF funds will be included.

¹ RIIO stands for (Revenue = Incentives + Innovation + Outputs). It is Ofgem's network price control framework. RIIO-2 means the network price control which runs between 1 April 2021 and 31 March 2026 for gas transporter and electricity transmission licensees, and between 1 April 2023 and 31 March 2028 for electricity distribution licensees. RIIO-3 means the network price control which runs between 1 April 2026 and 31 March 2031 for gas transporter and electricity transmission licensees.

² Fuller details regarding the SIF can be found here: <https://www.ofgem.gov.uk/energy-policy-and-regulation/policy-and-regulatory-programmes/network-price-controls-2021-2028-riio-2/network-price-controls-2021-2028-riio-2-riio-2-network-innovation-funding/strategic-innovation-fund-sif>

³ Capitalised terms not otherwise defined in this document have the meaning given to them in Appendix 1 of the SIF Governance Document.

⁴ <https://www.ofgem.gov.uk/policy/strategic-innovation-fund-cycle-5-projects-funding-decisions>

UKRI's costs of operating the SIF in 2025/26 were included in the 28th May 2025 Funding Direction. We no longer intend to distribute UKRI's forecast costs annually and in-advance. From this financial year onwards, it will be based on actual costs incurred and settled. These costs will be accrued and charged at approximately four-monthly intervals, aligned with future cycle Funding Directions. Any remaining balance from funds paid in 2025/26, will be used to satisfy accrued costs until the balance is nil.

Accordingly, this Funding Direction sets out the amount that National Energy System Operator Limited (NESO) and National Gas Transmission (NGT) will recover from its customers in relation to the SIF. It also specifies the net amounts to be transferred between NESO and other electricity Funding Parties (i.e. electricity network licensees); and NGT and other gas Funding Parties (i.e. gas network licensees) in relation to their SIF Projects.

NESO must transfer funds as set out in Schedule 1 below, and NGT must transfer funds as set out in Schedule 2 below. NESO and NGT must transfer funds to the nominated bank account as notified by Funding Parties as per the requirements in the SIF Project Directions. The Funding Party must adhere to requirements regarding Project banking arrangements as specified in chapter 8 of the SIF Governance Document⁵. If Funding Parties anticipate any problems fulfilling these requirements, they should notify Ofgem as soon as possible.

Background

In line with chapter 7 of SIF Governance Document and pursuant to the following licence conditions detailed in Table 1 below, Ofgem calculates and, by direction, specifies the net amount of SIF Funding that is to be paid to Funding Parties by NESO and NGT. Ofgem also specifies the manner in which and the times at which NESO and NGT are required to transfer that SIF Funding.

Table 1 below also sets out the network licensees who were eligible to participate in Cycle 5 of the SIF.

⁵ [Updates to the Strategic Innovation Fund governance document](#)

Table 1 – Network licence conditions

Network Licensee	Licence Condition
National Grid Electricity Transmission Plc (NGET)	Special Condition 9.19
SP Transmission Limited (SPT)	Special Condition 9.19
Scottish Hydro Electric Transmission Plc (SHE)	Special Condition 9.19
National Energy System Operator Limited (NESO)	Condition F2
National Gas Transmission Plc (NGT)	Special Condition 5.7
Cadent Gas Limited (Cadent)	Special Condition 9.13
Northern Gas Networks Limited (NGN)	Special Condition 9.13
Scotland Gas Networks plc (SGN)	Special Condition 9.13
Southern Gas Networks plc (SGN)	Special Condition 9.13
Wales & West Utilities Limited (WWU)	Special Condition 9.13
Electricity North West Limited (ENWL)	Special Condition 9.9
Northern Powergrid (Northeast) Plc (NPgN)	Special Condition 9.9
Northern Powergrid (Yorkshire) Plc (NPgY)	Special Condition 9.9
National Grid Electricity Distribution: West Midlands Plc (WMID)	Special Condition 9.9
National Grid Electricity Distribution: East Midlands Plc (EMID)	Special Condition 9.9
National Grid Electricity Distribution: South Wales Plc (SWALES)	Special Condition 9.9
National Grid Electricity Distribution: South West Plc (SWEEST)	Special Condition 9.9
UK Power Networks: London Power Networks Plc (LPN)	Special Condition 9.9
UK Power Networks: South Eastern Power Networks Plc (SPN)	Special Condition 9.9
UK Power Networks: Eastern Power Networks Plc (EPN)	Special Condition 9.9
SP Energy Networks: Distribution Ltd (SPD)	Special Condition 9.9
SP Energy Networks: Manweb Plc (SPMW)	Special Condition 9.9
Scottish and Southern Energy Power Distribution: Scottish Hydro Electric Power Distribution Plc (SHEPD)	Special Condition 9.9
Scottish and Southern Energy Power Distribution: Southern Electric Power Distribution Plc (SSEPD)	Special Condition 9.9

Below we specify the amount of SIF Funding to be distributed to network licensees who are leading Projects that we have decided to fund.

The values in this document align with the SIF Funding Decision published on 09 June 2026 for Cycle 5 Discovery, Alpha and Beta Projects. These figures awarded are based upon the forecasts submitted by individual Projects. However, we recognise the actual expenditure on Projects may differ from these figures. Accordingly, there will be a 'true-up' of the figures quoted in this SIF Funding Direction against actual expenditure via an annual reconciliation process.

To minimise cashflow risk, NESO and NGT have both forecast the value of the SIF Funding requirement in advance of this direction.⁶ As the Project Phases and the SIF rounds progress, the NESO and NGT must reconcile their forecast values of the SIF Funding requirement against the actual values specified in this direction to ensure the amount of funding recovered from consumers is accurate.

Cycle 5 - SIF Funding awarded

Discovery

As per our SIF Funding Decision published on 9th June 2026, we awarded SIF Funding to 8 Projects for the Cycle 5 Discovery phase, all of which were addressing Round 5 challenges. The Projects we decided to fund are listed in Table 2 below.

Alpha

As per our SIF Funding Decision published on 9th June 2026, we awarded SIF Funding to 7 Projects for the Cycle 5 Alpha phase, 4 of which were addressing Round 5 challenges and 3 of which were addressing Round 4 challenges. The Projects we decided to fund are listed in Table 3 below.

Beta

As per our SIF Funding Decision published on 9th June 2026, we awarded SIF Funding to 3 Projects for the Cycle 5 Beta phase, 3 of which was addressing Round 5 challenge. The Projects we decided to fund are listed in Table 4 below.

⁶ The NESO and NGT are able to input forecast values for the SIFF term when setting network charges for the year ahead. In future years, the NESO and NGT then reconcile these forecast values against actual values we specify within these SIF Funding Directions.

Table 2 – SIF Funding requested by the successful Cycle 5 Discovery Phase Projects

SIF Round	Project Phase	Sector	Project name	Funding Party	Total SIF Funding to be distributed
5	Discovery	Electricity	HF-PQ Net (High Frequency Power Quality for LCT networks)	SSEPD	£ 104,124.00
5	Discovery	Electricity	Matchmaker	WMID	£ 149,860.00
5	Discovery	Electricity	PROMUPS – PRObabilistic Methods for Uncertainty in Power Systems	NGET	£ 138,674.00
5	Discovery	Electricity	Power Lines	SSEPD	£ 95,822.00
5	Discovery	Electricity	Powering Ohms	SSEPD	£ 133,526.00
5	Discovery	Electricity	RISE - Robotics Integration for Sustainable Energy	SHEPD	£ 145,787.00
5	Discovery	Gas	The Green Molecule Project	SGN	£ 148,257.00
5	Discovery	Electricity	Flexibility for Large Assets to Rapidly Energise (FLARE)	NGET	£ 124,391.00
Total of SIF Funding requested by successful Cycle 5 Discovery Phase projects is:					£1,040,441.00

Table 3 – SIF Funding requested by the successful Cycle 5 Alpha Phase Projects

SIF round	Project Phase	Sector	Project name	Funding Party	Total SIF Funding to be distributed
5	Alpha	Gas	AI Opportunities for Consumer Centric Network Expansion	NGT	£ 499,690
5	Alpha	Electricity	AMPERES Automating Marine Plant Ecosystem Restoration for Energy Supply	NGET	£ 456,027
5	Alpha	Electricity	Foundation Source Model (FoSMo) [Round 4, Alpha C4]	NGET	£ 355,985
4	Alpha	Gas	Knapton H2 Storage for H2P	NGN	£ 500,000
4	Alpha	Electricity	Neighbourhood Watts	SPN	£ 499,090
4	Alpha	Gas	Project COLLABORATE	CADENT	£ 499,721
5	Alpha	Electricity	FORTRESS (Flexibility and Optimisation for Resilience in Energy Systems)	SHEPD	£ 436,565
Total of SIF Funding requested by successful Cycle 5 Alpha Phase projects is:					£3,247,078

Table 4 – SIF Funding requested by the successful Cycle 5 Beta Phase Projects

SIF round	Project Phase	Sector	Project name	Funding Party	Total SIF Funding to be distributed
5	Beta	Electricity	Fractal Flow - BETA	NPgN	£ 7,947,286
5	Beta	Electricity	Network Security in a Quantum Future (NSiaQF)	NGESO	£ 6,191,000
5	Beta	Electricity	FastPress	NGESO	£ 4,534,364
Total of SIF Funding requested by successful Cycle 5 Beta Phase projects is:					£18,672,650

The SIF Funding Return

The SIF Funding Return Mechanism is used to return any SIF Funding Return from Funding Parties to NESO and NGT, and back to consumers. As detailed in chapter 7 of the SIF Governance Document, this will include unspent SIF Funding, SIF Disallowed Expenditure, SIF Halted Project Revenues, SIF Returned Project Revenues and SIF Returned Royalty Income.

SIF Funding Returns will now be dealt with on an annual basis, covering the regulatory year to 31st March. This means that this Funding Direction will include only payments to be made to Licensees that relate specifically to the award of SIF Funds for Cycle 5.

Implementation

As the learning from the SIF Projects provides benefits to all Funding Parties and GB consumers as a whole, SIF Funding is raised across all GB consumers through NTS Transportation Owner Charges (in gas) and Transmission Network Use of System Charges (in electricity).

SIF Funding is distributed by NESO and NGT to individual Funding Parties. This means that NESO and NGT make a net payment to each Funding Party per instalment as directed in Schedule 1 and 2, respectively, which is the sum of SIF Funding awarded to the Funding Party across multiple Projects. The Funding Parties are responsible for administering the SIF Funding they receive for Projects as per requirements in chapter 8 of the SIF Governance Document.

In accordance with Special Conditions 3.1 and 3.4 of NESO's Electricity Transmission Licence, Special Conditions 5.1 and 5.7 of NGT's Gas Transporter Licence, and the SIF Governance Document, the Authority hereby requires NESO to comply with the conditions in Schedule 1, and NGT to comply with the conditions in Schedule 2 to this SIF Funding Direction. Schedules 1 and 2 set out the amounts that are to be transferred by NESO and NGT to Funding Parties and UKRI, together with the manner and timescale over which these amounts will be transferred – see Tables 5 and 7 in the Schedules appended to this letter.

This SIF Funding Direction constitutes notice pursuant to section 38A (Reasons for decisions) of the Gas Act 1986 and section 49A (Reasons for decisions) of the Electricity Act 1989.

If you have further questions or want to discuss, please contact Luke Ames Blackaby on luke.blackaby@ofgem.gov.uk.

Yours faithfully,

Luke Ames Blackaby
Head of Innovation Hub

Signed for and on behalf of the Authority

Schedule 1: Funds to be transferred by NESO

The net amounts of SIF Funding that must be transferred by NESO to recipients

Table 5 contains the net amounts that must be transferred by NESO to Funding Parties, as appropriate, in the Regulatory Year 2026/2027 commencing 1st April 2026 (and subsequent years as appropriate) for the Cycle 5 Discovery, Alpha and Beta phases of the SIF.

For the avoidance of doubt, no adjustments for inflation should be made to these numbers. It also sets out the manner and timescale for making payments.

Table 5 – Net amounts of SIF Funding to be distributed by NESO to recipients

Recipient	Instalment 1 (to be paid within 28 days of publication)	Instalment 2 (to be paid on 1st anniversary of instalment 1)	Instalment 3 (to be paid on 2nd anniversary of instalment 1)
National Grid Electricity Distribution (WMID): West Midlands Plc	£ 149,860	£ -	£ -
National Grid Electricity Transmission Plc (NGET)	£ 1,075,077	£ -	£ -
Northern Powergrid (Northeast) Plc (NPgN)	£ 1,915,368	£ 3,900,462	£ 2,131,456
Scottish and Southern Energy Power Distribution (SHEPD): Scottish Hydro Electric Power Distribution Plc	£ 582,352	£ -	£ -
Scottish and Southern Energy Power Distribution (SSEPD), Southern Electric Power Distribution Plc	£ 333,472	£ -	£ -
UK Power Networks: South Eastern Power Networks Plc (SPN)	£ 499,090	£ -	£ -
Total net amount of SIF Funding to be transferred by NESO to recipients	£ 4,555,219	£ 3,900,462	£2,131,456

The net amount that NESO must retain for its own SIF Projects

Table 6 – Amount that NESO must retain for its own SIF Projects

Recipient	Funding party	Instalment 1 (to be paid within 28 days of publication)	Instalment 2 (to be paid on 1st anniversary of instalment 1)
National Energy System Operator	NESO	£ 6,905,335	£ 3,820,029

Schedule 2: Funds to be transferred by NGT

The net amounts that must be distributed by NGT to recipients

Table 7 contains the net amounts that must be transferred by NGT to Funding Parties, as appropriate, in the Regulatory Year 2026/2027 commencing 1 April 2026 (and subsequent years as appropriate) for the Cycle 5 Discovery, Alpha and Beta phases of the SIF.

For the avoidance of doubt, no adjustments for inflation should be made to these numbers. It also sets out the manner and timescale for making payments.

Table 7 – Net amounts to be distributed by NGT to recipients

Recipient		Instalment 1 (to be paid within 28 days of publication)
Cadent Gas Limited	Cadent	£ 499,721
Northern Gas Networks Limited	NGN	£ 500,000
Southern Gas Networks plc	SGN	£ 148,257
Total net amount of SIF Funding to be transferred by NGGT to recipients		£ 1,147,978

The net amount that NGT must retain for its own SIF projects

Table 8 contains the net amount that NGT must retain for its own SIF Projects in the Regulatory Year 2026/2027 commencing 1st April 2026 (and subsequent years as appropriate).

For the avoidance of doubt, no adjustments for inflation should be made to these numbers.

Table 8 – Net amount to be retained by NGT for its own SIF projects

Recipient	Funding party	Instalment 1 (to be paid within 28 days of publication)
National Gas Transmission Plc	NGT	£ 499,690.00

Schedule 3 – Instalment breakdown by Licensee

CADENT

Project Phase	Sector	Project name	Instalment 1
Alpha	Gas	Project COLLABORATE	£ 499,721
Total of SIF Funding for Projects due to network licensees			£ 499,721

NGET

Project Phase	Sector	Project name	Instalment 1
Discovery	Electricity	PROMUPS – PRObabilistic Methods for Uncertainty in Power Systems	£ 138,674
Discovery	Electricity	Flexibility for Large Assets to Rapidly Energise (FLARE)	£ 124,391
Alpha	Electricity	AMPERES Automating Marine Plant Ecosystem Restoration for Energy Supply	£ 456,027
Alpha	Electricity	Foundation Source Model (FoSMo) [Round 4, Alpha C4]	£ 355,985
Total of SIF Funding for Projects due to network licensees			£ 1,075,077

NGN

Project Phase	Sector	Project name	Instalment 1
Alpha	Gas	Knapton H2 Storage for H2P	£ 500,000
Total of SIF Funding for Projects due to network licensees			£ 500,000

NGT

Project Phase	Sector	Project name	Instalment 1
Alpha	Gas	AI Opportunities for Consumer Centric Network Expansion	£ 499,690
Total of SIF Funding for Projects due to network licensees			£ 499,690

SGN

Project Phase	Sector	Project name	Instalment 1
Discovery	Gas	The Green Molecule Project	£ 148,257
Total of SIF Funding for Projects due to network licensees			£ 148,257

SHEPD

Project Phase	Sector	Project name	Instalment 1
Discovery	Electricity	RISE - Robotics Integration for Sustainable Energy	£ 145,787
Alpha	Electricity	FORTRESS (Flexibility and Optimisation for Resilience in Energy Systems)	£ 436,565
Total of SIF Funding for Projects due to network licensees			£ 582,352

SPN

Project Phase	Sector	Project name	Instalment 1
Alpha	Electricity	Neighbourhood Watts	£ 499,090
Total of SIF Funding for Projects due to network licensees			£ 499,090

SSEPD

Project Phase	Sector	Project name	Instalment 1
Discovery	Electricity	HF-PQ Net (High Frequency Power Quality for LCT networks)	£ 104,124
Discovery	Electricity	Power Lines	£ 95,822
Discovery	Electricity	Powering Ohms	£ 133,526
Total of SIF Funding for Projects due to network licensees			£ 333,472

WMID

Project Phase	Sector	Project name	Instalment 1
Discovery	Electricity	Matchmaker	£ 149,860
Total of SIF Funding for Projects due to network licensees			£ 149,860

NESO

Project Phase	Sector	Project name	Instalment 1	Instalment 2
Beta	Electricity	Network Security in a Quantum Future (NSiaQF)	£ 4,262,808	£ 1,928,192
Beta	Electricity	FastPress	£ 2,642,527	£ 1,891,837
Total of SIF Funding for Projects due to network licensees			£ 6,905,335	£ 3,820,029

NPgN

Project Phase	Sector	Project name	Instalment 1	Instalment 2	Instalment 3
Beta	Electricity	Fractal Flow - BETA	£ 1,915,368	£ 3,900,462	£ 2,131,456
Total of SIF Funding for Projects due to network licensees			£ 1,915,368	£ 3,900,462	£ 2,131,456