

SP Transmission R110-2: Outouts Snapshot Table

| Output name | Output category | Common or bespoke output? | Description | Output type | Where is the output set out in the Business Plan? | For ODI – what is the maximum upside/downside or any reward/penalty | Costs associated with output delivery | | | | Are there any associated outputs, uncertainty mechanisms or CVP proposals in your Business Plan? |
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| | | | | | | | Funding in Business Plan? | Forecast cost / BPOT reference (1) – 12 only | Funding for enhanced performance in Business Plan? | Forecast cost / BPOT reference (1) | |
| Where the output is a common (as opposed to a bespoke) output, please use the output name specified in the S3MD If you've used a different name in your Business Plan please specify in brackets - in general we would expect the names to align. | The category should be one of: * Meeting the needs of consumers and network users; * Maintaining a safe and resilient network; or * Delivering an environmentally sustainable network | Other: * Common - Applies in same way to more than one company and is set out in the S3MD * Bespoke - Proposed by company as part of their Business Plan | For bespoke outputs only – a brief description of the output (1-2 sentences) | Please specify whether it is an * ODI(V) – Output Delivery Incentive (Reputational/Financial); * PCD– Price Control Deliverable; or * LO– Licence Obligation. | Please provide all reference to the sections of the Business Plan where information on the output is set out. | If known, please provide as +/- £m (p.a) | Have costs been included in your baseline funding request to deliver the output target? (Yes/No) | If yes, please reference where to find this in the BPOT (and the Em figure). If the costs associated with the output cannot be identified in the BPOT | Where relevant, have any costs been included in your Business Plan to fund a level of performance that is higher than the baseline level specified by Ofgem? | If yes, please reference where to find these costs in the BPOT (and the Em figure). If the costs associated with the output cannot be identified in the BPOT please explain why. | For example, a separate uncertainty mechanism or an additional output which could potentially interact with this one. Please provide the name of any associated output, UM or CVP proposal and provide references to the sections of the Business Plan where information on the associated output |
| Generation Connections - Sole Use - 900MW | Meeting the needs of consumers and network users | Bespoke | Connection of 900MW of generation to the transmission network | PCD | p74 | N/A | Yes | E40m (B4.2a Scheme Summary) | No | N/A | Uncertainty Mechanism Proposed - Generation Sole Use CVP Load Pg64 |
| Generation Connections - Shared Use - 2027MVA | Meeting the needs of consumers and network users | Bespoke | Connection of 2027MVA of new network capacity to the transmission network | PCD | p74 | N/A | Yes | E89m (B4.2a Scheme Summary) | No | N/A | Uncertainty Mechanism Proposed - Generation Shared Use CVP Load Pg65 |
| Compliance with relevant design and operational standards | Meeting the needs of consumers and network users | Common | Licence obligation to comply with Grid code, ESOCH, G59, STC and other | LO | p70 | N/A | No | N/A | No | N/A | Uncertainty mechanism for changes to engineering standards - pg65-144 |
| Demand Connections - SP Distribution | Meeting the needs of consumers and network users | Bespoke | Connection projects across a range of named sites | PCD | p84 | N/A | Yes | E64.358(B4.2a Scheme Summary) | No | N/A | Uncertainty Mechanism Proposed - Demand Connections pg142 CVP Load Pg64 |
| Demand Connections - Network Rail | Meeting the needs of consumers and network users | Bespoke | Undertake reinforcement across our substations to provide capacity to Network Rail as contracted | PCD | p84 | N/A | Yes | E22.322 (B4.2a Scheme Summary) | No | N/A | Uncertainty Mechanism Proposed - Demand Connections pg142 CVP Load Pg64 |
| Demand Connections - Kandoon to Tongland Reinforcement | Delivering an Environmentally sustainable network | Bespoke | Undertake reinforcement to allow embedded generation in Dumfries and Galloway to export onto the transmission network | PCD | p84 | N/A | Yes | E37.467 (B4.2a Scheme Summary) | No | N/A | No |
| Wider Works - Voltage Management | Maintaining a safe and resilient network | Bespoke | Undertake installation of shunt reactors and STATCOMs to provide 515MVA of compensation to address voltage non-compliance due to closure of Hunterston and changes to generation profile | PCD | p81 | N/A | Yes | E28.391 (B4.2a Scheme Summary) | No | N/A | Uncertainty mechanism for additional shunt reactors as part of Net Zero operability challenges, pg 141 |
| Wider Works - Harmonic Filters | Maintaining a safe and resilient network | Bespoke | Undertake the installation of 120MVA of Harmonic filters on the 132kV network | PCD | p81 | N/A | Yes | E23.999 (B4.2a Scheme Summary) | No | N/A | Uncertainty mechanism for additional harmonic filters as part of Net Zero operability challenges, pg 141 |
| Wider Works - Black Start | Maintaining a safe and resilient network | Bespoke | Undertake the installation of 30 circuit breakers with the capability for point on wave switching and the reconfiguration of 16 sites across the network | PCD | p82 | N/A | Yes | E11.113 (B4.2a Scheme Summary) | No | N/A | No |
| Wider Works - Generation Export Management System (GEMS) | Delivering an Environmentally sustainable network | Bespoke | Undertake reinforcement to allow embedded generation in Dumfries and Galloway to export onto the transmission network | PCD | p82 | N/A | Yes | E7.864 (B4.2a Scheme Summary) | No | N/A | No |
| Wider Works - Circuit Rating Management System | Delivering an Environmentally sustainable network | Bespoke | Installation of real time thermal rating system utilising analytics and data processing. Rating uplift dependent upon weather conditions at time. | PCD | p81 | N/A | Yes | E4.531 (B4.2a Scheme Summary) | No | N/A | No |
| Wider Works - NDA (Excluding DWNQ) | Meeting the needs of consumers and network users | Bespoke | Delivery of boundary capability upgrades in line with Business plan | PCD | p77-78 | N/A | Yes | E168.178 (B4.2a Scheme Summary) | No | N/A | CVP Load Pg 64 |
| Network Asset Risk Metric | Maintaining a safe and resilient network | Common | | PCD | Page 91 | N/A | Yes | E454m (E2.2a UM) | N/A | N/A | Yes - Non-Load Network Risk CVP Page 86 |
| Longannet 275kV Switchgear Replacement | Maintaining a safe and resilient network | Bespoke | Uncertain timing of major substation project due to land and consenting needs and interaction with proposed wider works reinforcement submitted to the NDA process | PCD | Page 104 | N/A | No | E69.29m for the 275kV option, E98.37m for the 400kV option, Table 5.18 | N/A | N/A | UM - Uncertain non-load projects |
| Westfield 275kV Switchgear Replacement | Maintaining a safe and resilient network | Bespoke | Uncertain solution due to the interaction with a proposed wider works reinforcement submitted to the NDA process | PCD | Page 105 | N/A | No | E17.41m for the 275kV option, E22.93m for the 400kV option, Table 5.18 | N/A | N/A | UM - Uncertain non-load projects |
| Longannet Series Reactor Refurbishment | Maintaining a safe and resilient network | Bespoke | Uncertain timing due to land and consenting needs, and operating voltage of associated major substation project | PCD | Page 107 | N/A | No | E3.06m Table 5.18 | N/A | N/A | UM - Uncertain non-load projects |
| Dr & Vi Overhead Line Major Refurbishment | Maintaining a safe and resilient network | Bespoke | Uncertain timing due to load-related interaction | PCD | Page 97 | N/A | No | E39.13m Table 5.18 | N/A | N/A | UM - Uncertain non-load projects |
| Currie - Gorgie Cable Replacement | Maintaining a safe and resilient network | Bespoke | Uncertain timing due to uncertain deterioration rate | PCD | Page 99 | N/A | No | E9.59m Table 5.18 | N/A | N/A | UM - Uncertain non-load projects |
| Cable Sealing Ends | Maintaining a safe and resilient network | Bespoke | Uncertain timing due to uncertain deterioration rate | PCD | Page 99 | N/A | No | E7.89m Table 5.18 | N/A | N/A | UM - Uncertain non-load projects |
| Quality of Connections Survey | Meeting the needs of consumers and network users | Common | On an annual basis, we will conduct a series of surveys at key points, or 'moments that matter' throughout the connections process. A reward or penalty is applied based on these survey scores. The aim of the ODI is to ensure we provide a high quality connections service thus contributing to the low carbon energy transition. | ODI (F) | p151 (And Annex 12) | +/- £3.45m | No | N/A | N/A | N/A | CVP Output incentive Pg 144 |
| Quality of Engagement Survey | Meeting the needs of consumers and network users | Common | A requirement to survey stakeholders and report publicly on the results, including our response, and any commitments we intend to take forward. This creates a reputational incentive for us to be responsive to different stakeholders' needs to engage on new transmission projects. | ODI (R) | p151 (And Annex 12) | N/A | No | N/A | N/A | N/A | |
| Timely Connections Offers | Meeting the needs of consumers and network users | Common | A penalty only ODI to incentivise high quality and timely offers of connection | ODI (F) | p152 (And Annex 12) | - £1.73m to £0m | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Delivery against our Stakeholder Strategy | Meeting the needs of consumers and network users | Bespoke | We will report on our stakeholder strategy related activities to increase transparency and sharpen our focus on these activities. | ODI (R) | p153 (And Annex 12) | | No | N/A | N/A | N/A | |
| Black Start Resilience of Communities in Vulnerable Circumstances | Meeting the needs of consumers and network users | Bespoke | To provide expert guidance and support to the least resilient communities, offering help to become more resilient. Impact measured through measurement tool based on the Department for International Aid and Development (DFID)'s measure of community resilience we propose a target level of resilience to be each community's 'ability to absorb shock of extended periods without supply'. We will measure and evaluate our interventions based on an assessment of whether our programme has contributed to increased resilience, as measured in terms of improvements in key indicators of resilience. | ODI (F) | p153 (And Annex 12) | Contributes to + £1.73m (One of three elements to the Stakeholder Engagement PLUS suite of incentives) | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Community Energy Schemes Capability | Meeting the needs of consumers and network users | Bespoke | We will contribute to increased capability of Community Energy Schemes (CESs) to interact effectively with the energy sector. For instance, when confronted with sector-specific issues (such as network constraints preventing connection to the grid) we would like CESs to have the ability to access support, make informed decisions and explore options. We propose adopting the Government's Digital, Data and Technology Profession (DDaT) framework for measuring the capability of CESs. The framework describes job roles in the Digital, Data and Technology Profession and provides details of the skills needed to work at each role level (i.e. Expert, Practitioner, Working and Awareness) and propose this incentive is assessed by our user group. | ODI (F) | p153 (And Annex 12) | Contributes to + £1.73m (One of three elements to the Stakeholder Engagement PLUS suite of incentives) | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |

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| Stakeholder Engagement Performance Levels | Meeting the needs of consumers and network users | Bespoke | We will aim to achieve 'Mature' status in the Accountability stakeholder engagement healthcheck and could be considered by the User Group for a reward based on our performance in reaching this standard of stakeholder engagement capability. | ODI (F) | p153 (And Annex 12) | Contributes to + £1.78m (One of three elements to the Stakeholder Engagement PLUS suite of incentives) | No | N/A | N/A | N/A | No |
| Energy Not Supplied | Meeting the needs of consumers and network users | Common | A symmetrical financial ODI whereby our performance against a kWh ESO baseline metric determines whether we receive a reward or penalty. | ODI (F) | p153 (And Annex 12) | £6.42m to £2.03m | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Optimising Network Availability for Connected Generators | Meeting the needs of consumers and network users | Bespoke | We intend to develop our capability in RUC T2 to offer more use of short term capacity ratings and other services to the ESO to allow more low carbon generation to flow onto the network. Effective deployment of these approaches will provide increased reliability and network availability for connected generation. The incentive provides a reward for the avoided loss of any GWh of the flow of energy (as a direct result of our intervention in a constrained network) up to a cap of 60MWh. | ODI (F) | p154 (And Annex 12) | £0m to £2.56m | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Health and Safety | Maintaining a safe and resilient network | Bespoke | We want to be more transparent and accountable to our stakeholders and share our experience, learning and initiatives in a more focused by preparing a H&S report which will be submitted to the User Group as part of the annual report. | ODI (R) | p155 (And Annex 12) | £0m | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Successful Delivery of Large Capital Projects | Maintaining a safe and resilient network | Common | We will increase our transparency and performance in relation to the delivery of large capital projects by having the User Group conduct an assessment of our performance. | ODI (R) | p155 (And Annex 12) | £0m | No | N/A | N/A | N/A | |
| Non Lead Asset Output Measurement | Maintaining a safe and resilient network | Bespoke | In the absence of a formalised quantitative target, we propose to improve the transparency of delivery of non-lead asset investment during RUC T2. We propose a target for some electrical non-lead assets based on monetised risk and will provide our User Group with an annual report for each non-lead asset output. | ODI (R) | p90, p108, p115, p156 (And Annex 12) | £0m | Yes | £126.5m (C.2.2a_AFP) | N/A | N/A | CVP Output incentive Pg 144 |
| Network Access Policy (NAP) | Maintaining a safe and resilient network | Common | We will optimise the delivery of our essential network outages, working jointly with other network owners and the GB system operator. The User Group will assess our performance in terms of reporting, third-party engagement and outage related activity. | ODI (R) | p156 (And Annex 12) | £0m | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Whole System ESO-TD Constraint Mitigation | Maintaining a safe and resilient network | Bespoke | We are proposing an incentive that builds on existing licence and regulatory arrangements to provide funding for infrastructure services TO's could provide to mitigate the risk of high constraint costs associated with network outages. We propose that an incentive rate of 1% of forecast constraint costs avoided and that the cap is triggered when forecast constraint savings reach £22.8m approximately 11% of typical annual constraint values. The incentive reward will be based on the forecast £m of constraint costs avoided through provision of our services. | ODI (F) | p157 (And Annex 12) | £0m to £2.28m | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Environmental Framework | Delivering an environmentally sustainable network | Common | We have established an environmental action plan and will publish an annual report in line with future common metrics and methodologies agreed with other TOs. | ODI (R) | p158 (And Annex 12) | £0m | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Minimising Electricity Losses | Delivering an environmentally sustainable network | Common | We will report on initiatives to minimise transmission electricity losses. | ODI (R) | p158 (And Annex 12) | £0m | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Sulphur Hexafluoride (SF ₆) and other Insulation and Interruption Gases (IIG) Leakage | Delivering an environmentally sustainable network | Common | Our actual annual leakage against a baseline (set each year based on well justified additions and disposals) will determine whether we receive a reward or penalty. It will incentivise a reduction in harmful greenhouse gas (GHG) emissions from leakage of SF ₆ and other IIGs, and support the transition to low GHG alternative IIGs. | ODI (F) | p158 (And Annex 12) | TBC by Ofgem | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Maximising environmental benefit from non-operational land | Delivering an environmentally sustainable network | Bespoke | Vacant land at our substations presents opportunities for the installation of renewable technologies and the introduction of biodiversity enhancement initiatives. Our study identifies up to 20 sites initially, which conservative estimates suggest could support upwards of 4MW of new renewable generation. | ODI (R) | p159 (And Annex 12) | N/A | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Maximising supply chain sustainability | Delivering an environmentally sustainable network | Bespoke | We will drive Scope 3 emissions reductions, whereby supply chain members showing leadership and speed in the reduction of Scope 3 emissions in relation to the products or services provided to us can access a financial reward to be used to carry out further carbon reduction improvements and initiatives. | ODI (F) | p159 (And Annex 12) | Contributes to + £1.78m (One of three elements to the 'Additional Contribution to the Low Carbon Transition' suite of incentives) | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Accelerating adoption of low carbon fleet | Delivering an environmentally sustainable network | Bespoke | This is an incentive mechanism by which we could accelerate the delivery of a low carbon fleet, increasing our contribution to UK carbon footprint reduction and contributing to improved air quality. | ODI (F) | p160 (And Annex 12) | Contributes to + £1.78m (One of three elements to the 'Additional Contribution to the Low Carbon Transition' suite of incentives) | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Delivering biodiversity net gain initiatives | Delivering an environmentally sustainable network | Bespoke | Our aim in T2 is to work with our local communities, landowners and other stakeholders to deliver 'no net loss' in biodiversity and natural capital across our T2 Business Plan activities and a net positive impact in biodiversity and natural capital across our existing sites. | ODI (F) | p160 (And Annex 12) | Contributes to + £1.78m (One of three elements to the 'Additional Contribution to the Low Carbon Transition' suite of incentives) | No | N/A | N/A | N/A | CVP Output incentive Pg 148 |
| Net Zero Fund | Meeting the needs of consumers and network user | Bespoke | This will support the creation of jobs in our local communities as well as delivering significant carbon savings and supporting our communities in vulnerable circumstances. | PCD | p148 | £/a | Yes | £20m (C.2.2a_AFP) | N/A | N/A | CVP Net zero fund Pg 36 |

SP Transmission RIIO-2: Uncertainty Mechanisms (UMs) Snapshot Table

| UM name | Is the UM included in our May SMD? | Description | UM type | Where is the UM set out in the Business Plan? | Costs associated with the UM | | Are there any associated outputs, uncertainty mechanisms or CVP proposals in your Business Plan? |
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| | | | | | Funding in Business Plan? | Forecast cost / BPOT reference | |
| Where the UM is set out in our May SMD please use the name specified in that document. (If you've used a different name in your Business Plan please specify in brackets - in general we would expect the names to align). | (Y/N) | For any additional bespoke UMs only, please provide a brief description (1-2 sentences) | * Re-opener; * Pass through; * Volume Driver; or * Other (please specify) | Please provide all references to the sections of the Business Plan where information on the UM is set out. | Have costs associated with this UM been included in your baseline funding request (included / Not included) | If costs have been included, please state where to find the relevant costs in the BPOT (and state the £m figure here). If the any costs associated with the uncertainty mechanism cannot be identified in the BPOT please explain why | For example, a separate uncertainty mechanism or an additional output which could potentially interact with this one. Please provide a the name of any associated output, UM or CVP proposal and provide references to the sections of the Business Plan where information on the associated output or UM is set out. |
| Uncertainty Mechanism - Generation Sole Use | N | Utilised to cover generation connections over and above the baseline (900MW) proposed as a PCD - Sole/Shared Use Mechanism required to fund up to approximately £506m of additional costs based on current contracted generation | Volume Driver | Page 140 | Baseline costs included | Baseline costs included - £40m (B4.2a Scheme Summary) estimate of uncertainty mechanism provided in business plan pg 140. See also Annex 20 | Generation Connections - Sole Use - 900MW |
| Uncertainty Mechanism - Generation Shared Use | N | Utilised to cover generation infrastructure installed over and above the baseline (2027MVA) proposed as part of the baseline proposed as a PCD - Sole/Shared Use Mechanism required to fund up to approximately £506m of additional costs based on current contracted generation | Volume Driver | Page 140 | Baseline costs included | Baseline costs included - £69m (B4.2a Scheme Summary) estimate of uncertainty mechanism provided in business plan pg 140. See also Annex 20 | Generation Connections - Shared Use - 2027MVA |
| Uncertainty Mechanism - Major Boundary Upgrades Strategic Wider Works | N | Utilised to cover additional boundary upgrades currently not forecast through the business plan ex-ante allowance with a value >£100m. Currently proposed to fund only the Eastern Link HVDC but will be utilised to cover schemes that develop through the NDA process undertaken by the ESO - currently forecast to fund additional costs of £1.78m - £2.58m | Reopener | Page 141 | Not included | Estimate provided in B4.10 and in BP on pg 141 | Wider Works |
| Net zero operability challenges | N | New issues are likely to emerge in RIIO-T2 such as voltage or harmonics which are non-compliant with the relevant standards. A mechanism allows additional allowance to be provided should further work beyond those proposed in the business plan, be required. | Unit cost allowance | Page 141 | Baseline costs included | Baseline costs included £52.389m (B4.2a Scheme Summary) estimate of uncertainty mechanism provided in business plan pg 141. Rates for synchronous compensation detailed in Annex 20 | SSMVs of reactors and compensation, 6, 6x 132kV harmonic filters |
| Net zero transition reopener | N | The transition to Net Zero is likely to result in further changes to the demand and generation make-up across Great Britain. This mechanism is to specifically consider projects of less than £100m that may emerge during the course of the price review and cannot be addressed by the other mechanisms. | Reopener | Page 141 | Not included | Use of the mechanism is uncertain | Unknown |
| Uncertainty Mechanism - Demand Connections | N | Utilised to cover Demand schemes (SP Distribution & Network Rail amongst others) that may arise over the course of the RIIO-T2 period above the agreed baseline schemes - Estimated value if required to be fully utilised is £40m | Volume Driver | Page 142 | Baseline costs included | Baseline costs included - £116m (B4.2a Scheme Summary) estimate of uncertainty mechanism provided in business plan pg 142 | Demand Connections - SP Distribution & Demand Connections - Network Rail |
| Whole System Coordinated Adjustment Mechanisms | Y | Re-opener - as per SMD | Reopener | pg 142 | Not included | No - costs are unknown at this time | No |
| Unchase non-load projects | N | We have a number of non-load projects which have significant uncertainties associated with them, such as land purchase, or are interactive with new generation connections. Ex-ante cost will be agreed with Ofgem as part of the price review but will only be triggered if required. | Unit cost allowance | pg 142 | Not included | No - costs are unknown at this time Projects listed in BPOT 5.1b. Total value of £147m | No One of the main uncertainties for these projects are load projects which may arise at these sites for new generation connections or wider works. |
| Legislative, policy and standards uncertainty reopener - Cyber Resilience | Y | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Baseline costs included | Baseline costs of £12.2m (D4.8a) | No |
| Legislative, policy and standards uncertainty reopener - Physical Security (PSUP) | Y | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Not included | No - costs are unknown at this time | No |
| Legislative, policy and standards uncertainty reopener - Flood Resilience | N | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Baseline costs included | £5.5m C2.24 | No |
| Legislative, policy and standards uncertainty reopener - climate change and environmental uncertainty | N | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Not included | No - costs are unknown at this time | No |
| Legislative, policy and standards uncertainty reopener - BREXIT | N | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Not included | No - costs are unknown at this time | No |
| Legislative, policy and standards uncertainty reopener - wayleave review adjustment | N | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Not included | No - costs are unknown at this time | No |
| Legislative, policy and standards uncertainty reopener - Non-rechargeable diversions | N | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Not included | No - costs are unknown at this time | No |
| Legislative, policy and standards uncertainty reopener - Environmental enhancements | N | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Not included | No - costs are unknown at this time | No |
| Legislative, policy and standards uncertainty reopener - Black Start | N | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Not included | No - costs are unknown at this time | No |
| Legislative, policy and standards uncertainty reopener - Energy data task force | N | Re-opener in 2023 and at end of T2 to adjust revenues to account for this uncertainty. | Reopener | Page 143-144 | Not included | No - costs are unknown at this time | No |
| Financial Uncertainty mechanism | N | Various index, pass through and reopeners for financial uncertainties including business rates | Various | Page 144 | Not included | No - cost changes are unknown at this time | No |

SP Transmission RII0-2: Consumer Value Proposition (CVP) Snapshot Table

| CVP proposal name | Description | Where is the CVP proposal set out in the Business Plan? | Costs and value associated with the CVP proposal | | | Are there any associated outputs, uncertainty mechanisms or CVP proposals in your Business Plan? |
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| | | | Funding in Business Plan? | Forecast cost / BPOT reference | Value to consumer | |
| | A brief description of the CVP proposal (5-2 sentences) | Please provide all references to the sections of the Business Plan where information on the CVP proposal is set out. | Have costs associated with this CVP proposal been included in your baseline funding forecast (Yes / No)? | If costs have been included, please state where to find the relevant costs in the BPOT (and state the £m figure here). If any costs associated with the CVP proposal cannot be identified in the BPOT, please explain why. | What is the monetised value of the proposal to consumers (£m)? | For example, a separate uncertainty mechanism or an additional output which could potentially interact with this one. Please provide a name of any associated output, UoM or CVP proposal and provide references to the sections of the Business Plan where information on the associated output or UoM is set out. |
| CVP 2.1 - Innovation Roll Out | Our RII0-T2 business plan will deliver benefits in excess of £30m from the roll-out of successful innovation projects on our network led by us in RII0-T1 - 48% payback of the £61.50m RII0-T1 Innovation Investment allocated to SP Transmission. | Pg 26, Annex 30: section 2.0 Innovation | No | N/A | £30m | N/A |
| CVP 2.3 - Energy System Transition Innovation | Through innovation directed at solving strategic energy system transition challenges in RII0-T2, we aim to leverage a £18.65m investment to realise benefits in excess of £23m in RII0-T3. | Pg26, Annex 30: section 2.0 Innovation | Yes | £18.65m (A6.02) | £73m | N/A |
| CVP3.1 SF6 Commitments | Our commitments to SF6 reduction and alternatives will avoid 9,700kg of SF6 being added to the network across the RII0-T2 period, avoiding estimated emissions equivalent to over 1,200 tCO2e annually. This represents a value of £11.8m over the life of the assets | Pg36, Annex 30: section 3 An Environmentally Sustainable Network | Yes | £4.76m | £11.8m | N/A |
| CVP3.2 Losses Strategy | The network losses reduction initiatives contained within our Losses Strategy will result in the avoidance of 3,700 tCO2e annually. This represents a value of £36.1m over the life of the assets. | Pg36, Annex 30: section 3 An Environmentally Sustainable Network | Yes | Embedded in Load and Non-load Expenditure | £36.1m | N/A |
| CVP5.3 Substation Energy Efficiency | Our commitment to implement energy efficiency measures at 48 substations will reduce energy consumption by more than 1,000MWh per year, enough to power the equivalent of 250 households and save over 250 tCO2e annually. This represents a value of £2.4m over the life of the assets. | Pg36, Annex 30: section 3 An Environmentally Sustainable Network | Yes | Included within Business Carbon Footprint- Other Costs (£8.8m) | £2.4m | N/A |
| CVP3.4 Low Carbon Fleet | Our commitment to replace 100% of our T2 cars and vans with electric alternatives by the end of RII0-T2 will result in the avoidance of over 320 tCO2e emissions per year. This represents a value of £0.10m over the life of the assets. | Pg36, Annex 30: section 3 An Environmentally Sustainable Network | Yes | Included within Business Carbon Footprint- Other Costs (£8.8m) | £0.1m | N/A |
| CVP 3.5 Optimise Benefit from Non Operational Land | Our proposal to maximise environmental benefit from non-operational land will enable community groups to use the land for free to install upwards of 4MW of new renewable generation, enable c.1,200 tCO2e carbon savings annually and support biodiversity enhancements at up to 20 sites. This represents a value of £4.2m over the life of the assets. | Pg36, Annex 30: section 3 An Environmentally Sustainable Network | Yes | £0.1m | £4.2m | N/A |
| CVP3.6 - Net Zero Fund | We estimate the Consumer Value Proposition of our Output Incentive Package achieves a social return on investment of at least £3 for every £1 invested in the Net Zero Fund. | Pg 36, Annex 30: section 7.0 An Environmentally Sustainable Network | Yes | £20m over RII0-T2 period (C2.2a_AP) | £3 for every £1 invested in Net Zero Fund | PCD |
| CVP 4.1 - Networks safety education programmes | Using Willingness to Pay research, we estimate that our education programmes on electrical safety will have a consumer value of £380,000 over RII0-T2. | Pg48, Annex 30: section 3.0 Health & Safety | No | N/A | £380,000 over T2 | N/A |
| CVP 4.2 - Mental Health First Aid | We aim to train 2% of our staff as mental first aiders. Reducing mental health problems within our workforce could have a consumer value of up to £3.3m over the RII0-T2 period. | Pg48, Annex 30: section 3.0 Health & Safety | No | N/A | £3.3m over T2 | N/A |
| CVP5.1 - Carbon Abatement | Our baseline plan will directly connect 880MW of renewable generation, create capacity for 800MW of embedded generation and increase the capacity for additional renewable generation to be transferred across Scotland and Great Britain by 800MW. Reducing emissions by 1.6Mtpa with a value of £81m p.a. | Pg64, Annex 30: section 4.0 Load Related Expenditure | Yes | £34.86 (£4.2a Scheme Summary) | £81m p.a. | PCD - Generation Connections - Sole Use - 1034MW PCD - Demand Connections - SP Distribution PCD - Wider Works - NOA (Excluding DWN0) |
| CVP5.2 - Constraint Costs | Reducing the annual constraint costs the ESO would incur by £152m by the end of RII0-T2 as a result of our boundary upgrades we are completing in the period. | Pg64, Annex 30: section 4.0 Load Related Expenditure | Yes | £168.178 (£4.2a Scheme Summary) | £117m reduction in constraint costs | PCD - Wider Works - NOA (Excluding DWN0) |
| CVP5.3 - Electric Vehicle Capacity | Ensuring transmission network capacity for the connection of 130,000 new electric vehicles which we anticipate could require to be charged through the network by the end of RII0-T2. In doing so, we will contribute £3.7m per year in value by the end of RII0-T2. | Pg64, Annex 30: section 4.0 Load Related Expenditure | Yes | £64.358 (£4.2a Scheme Summary) | £3.7m | PCD - Demand Connections - SP Distribution |
| CVP6.1 - Non-Load Risk | Network users and consumers benefit by reduced network risk as a result of our plan. The benefit is £1.6m higher than if we had deferred the investments. | Pg66, Annex 30: section 5.0 Non-Load Related Expenditure | Yes | £416m (C2.2a_AP) | £1,600m | PCD - Network Asset Risk Metric |
| CVP6.2 - Non-Load Asset Modelling | By using advanced modelling of asset condition, we have avoided £81m of investment in existing assets during RII0-T2. | Pg66, Annex 30: section 5.0 Non-Load Related Expenditure | No | N/A | £81m | N/A |
| CVP6.3 - Non-Load Network Constraint Costs | By doing detailed designs and extensive planning, we have generated a net benefit of up to £5.7m of avoided network constraint costs. | Pg66, Annex 30: section 5.0 Non-Load Related Expenditure | Yes | £43.64m (C2.2a_AP SPNLT2031 Windyhill 275kV Switchgear Replacement) | £5.7m | N/A |
| CVP7.1 - Connections Incentive | Connections Incentive: Using Willingness to Pay research conducted by Accent, we estimate a consumer value of £9.5m per annum for our connections incentive. | Pg148, Annex 30: section 6.0 Output Incentive Proposals | No | N/A | £9.5m | ODI |
| CVP7.2 - Stakeholder Engagement Plus | Our Stakeholder Engagement Plus Incentive has a consumer value of £3.4m per annum for each of the three outputs we are proposing. | Pg148, Annex 30: section 6.0 Output Incentive Proposals | No | N/A | £3.4m | ODI |
| CVP7.3 - Network Availability Incentive | Our Network Availability Incentive has a consumer value of up to £6.5m per annum. | Pg148, Annex 30: section 6.0 Output Incentive Proposals | No | N/A | £6.5m | ODI |
| CVP7.4 - Whole System ESO-TD Constraint Mitigation | Our proposed incentive on Whole System ESO-TD Constraint Mitigation equates to a consumer value of up to £21m per annum. | Pg48, Annex 30: section 6.0 Output Incentive Proposals | No | N/A | £21m | ODI |
| CVP7.5 - Additional Contribution to the Low Carbon Transition | Our proposed incentive of Additional Contribution to the Low Carbon Transition equates to a consumer value of £3.16m | Pg148, Annex 30: section 6.0 Output Incentive Proposals | No | N/A | £3.16m | ODI |