

Transmission Owner Reinforcement Instruction (TORI) Quarterly Update Report Q4 October 2020 – December 2020

December 2020



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Scottish and Southern Electricity Networks Transmission's Quarterly Update Report provides an update on our Transmission Owner Reinforcement Instruction (TORI) projects. These projects are required to reinforce the Transmission network in the North of Scotland to facilitate the connection of renewable generation. These TORI's may be included in connection agreement contacts as Enabling Works or Wider Works.

For each existing TORI in our area, this report provides:

- An overview of the TORI project including completion date.
- A summary of works completed in the last three months.
- A summary of works due to be undertaken in the next three months.

Should you have any questions or feedback on the report, please get in touch with us at transmission.commercial@sse.com



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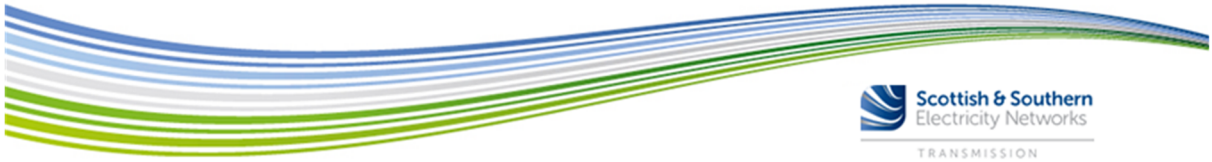
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TORI SHET-RI-007a - Beauly - Blackhillock 400 kV Double Circuit OHL	Scheme Beauly - Blackhillock 400 kV Double Circuit OHL
Overview of Works Establish a new double circuit 400kV overhead line approximately 130km from Beauly to Blackhillock. The new OHL is connected to the Beauly 400kV AIS busbar and the Blackhillock 400kV GIS busbar.	
Project Completion Date	31/12/2027
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project on hold.	
Additional Comments: N/A	



TORI SHET-RI-007b - Beauly 400 kV Busbar	Scheme Beauly 400 kV Busbar
Overview of Works Construct a new 400kV GIS double busbar at Beauly substation and interface with the existing 275kV busbar. The 400kV double busbar is to comprise of one bus section breaker, two bus couplers, and feeder bays for circuit connections.	
Project Completion Date	01/04/2025
Summary of works in last quarter: See TORI-042	
Summary of works in next quarter: See TORI-042	
Additional Comments: See TORI-042	



TORI SHET-RI-009 - East Coast Onshore 275kV Upgrade	Scheme East Coast Onshore 275kV Upgrade
Overview of Works Establish new busbar at Alyth, to be built at 400kV but initially operate at 275kV, with reactive compensation support. Re-profile the existing Kintore-Tealing-Kincardine 275kV circuits and the existing Tealing-Westfield-Longannet 275kV circuits for higher temperature operation. Install 275kV Phase shifting transformers on each of the Kintore – Tealing circuits (XT1/XT2) at Tealing substation.	
Project Completion Date	31/10/2023
Summary of works in last quarter: Alyth: Conclude pre-qualification process and tendering exercise in order to identify preferred Contractors for the delivery of both the new Alyth Substation, and the OHL Re-profiling works. Tealing: Conclude a pre-qualification questionnaire to procure power control devices for the Tealing and submit an invitation to tender to secure a competent contractor to undertake the works.	
Summary of works in next quarter: Alyth: Engage with appointed Contractors in design phase for both the new Substation and the OHL Re-profiling works.	
Additional Comments: Principal Contractor for new Alyth Substation appointed in December 2020. Principal Contractor for OHL Re-profiling works appointed in December 2020.	



TORI SHET-RI-013 - North Argyll Substation	Scheme North Argyll Substation
Overview of Works Establish a new 275/132 kV Substation in North Argyll near the existing Inveraray/Taynuilt 132 kV line route with two 480 MVA 275/132 kV transformers. Space provision only is to be provided for additional feeder bays. Establish a new 275 kV double circuit OHL between North Argyll and Dalmally Substations.	
Project Completion Date	30/04/2025
Summary of works in last quarter: Report on Consultation published November 2020 including the Preferred Option for works near Dalmally. EIA Scoping Report sent to Scottish Government in December 2020. Surveys ongoing.	
Summary of works in next quarter: Preferred Alignment for project to be determined, including Tower positions. Further consultation with stakeholders, on Preferred Alignment, scheduled for Q1 of 2021.	
Additional Comments: N/A	



TORI SHET-RI-019 - Dounreay - Orkney 220kV Subsea HVAC Cable Link 1	Scheme Dounreay - Orkney 220kV Subsea HVAC Cable Link 1
Overview of Works Establish a 220kV HVAC circuit over a distance of approximately 68km between the 275kV GIS substation at Dounreay on the mainland and the new 132kV substation in the vicinity of Finstown on Orkney. The HVAC circuit comprises of approximately 15km of land cable and 53km of subsea cable. Voltage Compensation devices will be installed at both cable ends within the substation compounds at Dounreay and Finstown.	
Project Completion Date	30/04/2025
Summary of works in last quarter: Continue engagement with developers in relation to meeting Ofgem's conditionality of 135MW of generation to be achieved by Q4 2021 and review programme in context of developer's request for an extension to Q4 2022.	
Summary of works in next quarter: Continue engagement with developers in relation to meeting Ofgem's conditionality of 135MW of generation to be achieved by Q4 2021 and review programme in context of developer's request for an extension to Q4 2022.	
Additional Comments: Engagement to continue with regards to the conditionality, and Completion Date will be reviewed as appropriate.	



TORI SHET-RI-020 - Dounreay - Orkney 220kV Subsea HVAC Cable Link 2	Scheme Dounreay - Orkney 220kV Subsea HVAC Cable Link 2
Overview of Works Establish a second 220kV Subsea HVAC circuit over a distance of approximately 68km between the 275kV GIS substation at Dounreay on the mainland and the new 132kV substation in the vicinity of Finstown on Orkney. The HVAC circuit comprises of approximately 15km of land cable and 53km of subsea cable. Voltage Compensation devices will be installed at both cable ends within the substation compounds at Dounreay and Finstown. Finstown Substation is established as part of SHET-RI-019.	
Project Completion Date	30/04/2025
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project on hold.	
Additional Comments: Completion date to be reviewed in accordance with SHET-RI-019 - Dounreay - Orkney 220kV Subsea HVAC Cable Link 1 programme review.	



TORI SHET-RI-025a - Peterhead-Rothienorman 400 kV OHL upgrade	Scheme Peterhead-Rothienorman 400 kV OHL upgrade
Overview of Works The 275kV overhead lines between Peterhead, New Deer and Rothienorman (Rothienorman substation established as part of SHET-RI-105) are constructed for 400kV operation. Reinsulate approximately 47km of OHL to 400kV operation and put into service between the new 400kV busbars at Peterhead (established by SHET-RI-025c) and the new 400kV substations at New Deer and Rothienorman (both transitioned to 400kV under SHET-RI-025d). Replacement of the existing earth wire with OPGW is required between New Deer - Rothienorman.	
Project Completion Date	30/09/2023
Summary of works in last quarter: Please see project update for SHET-RI-025d North East 400kV Reinforcement.	
Summary of works in next quarter: Please see project update for SHET-RI-025d North East 400kV Reinforcement.	
Additional Comments: N/A	



TORI SHET-RI-025b - Eastern Subsea HVDC Link	Scheme Eastern Subsea HVDC Link
Overview of Works Install a 2GW HVDC link between Peterhead (SHE-Transmission) and Drax (NGET). This TORI describes the SHE-Transmission works. HVDC cables to be routed into the sea, then south towards the North East of England in NGET's license area.	
Project Completion Date	31/10/2029
Summary of works in last quarter: Seabed Survey Works have commenced. Initial Needs Case submitted to Ofgem. Supplier Engagement discussions have taken place. Offshore and onshore environmental assessment works have commenced. Virtual public consultation for Peterhead onshore works undertaken. Public feedback reviewed and responses provided. Onshore environmental and engineering investigation works to be progressed. Land negotiations for Peterhead onshore works have begun.	
Summary of works in next quarter: Ongoing Seabed Survey Works. Ongoing consultation with Ofgem regarding Initial Needs Case submission. Ongoing offshore and onshore environmental assessment works. Supplier Engagement workshops to be complete. Onshore Engineering investigation works to commence. Ongoing land negotiations for the Peterhead area.	
Additional Comments: N/A	



TORI SHET-RI-025c - Peterhead 400 kV Busbar	Scheme Peterhead 400 kV Busbar
Overview of Works Construct a new 400kV substation close to the existing 275kV substation at Peterhead. Install two new 1200MVA 400/275kV supergrid Transformers and approx. 500m of 275kV cable between the new 400kV busbar and the existing 275kV busbar. Modify the existing 275 kV substation and busbar arrangements to accommodate the above works. The existing 275/132kV supergrid transformer SGT1 which is currently connected to line circuit reference VX1 will be banked with the new 1200MVA 400/275kV.	
Project Completion Date	31/10/2023
Summary of works in last quarter: Completion of Part A Contract. Part B contracts awarded for Underground cable, Substation and Overhead line works in November 2020. Transformer contract placed in November 2020. Civils works have commenced on site.	
Summary of works in next quarter: Continuation of Civils works on site. Preparation for 132kV underground cable works. Commencement of A90 road works.	
Additional Comments: N/A	



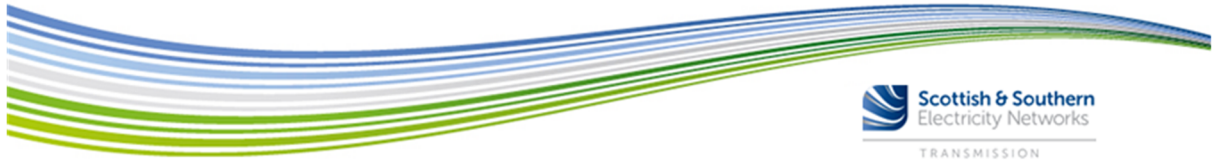
TORI SHET-RI-025d - North East Reinforcement	Scheme North East Reinforcement
<p>Overview of Works</p> <p>Re-insulate the 275kV double circuit overhead lines between Rothienorman – Blackhillock and Rothienorman - Kintore for 400kV operation.</p> <p>Remove the two line connected 400/275kV, 1200MVA SGT’s from Blackhillock Substation. Install two new 400/275kV, 1200MVA at Kintore for terminating the Rothienorman to Kintore double circuit overhead line onto the 275kV busbar at Kintore.</p> <p>Install two 400/132kV, 240MVA SGT’s and two 132/33kV, 120MVA GTs to connect the Rothienorman GSP to the 400kV Rothienorman Busbar.</p>	
Project Completion Date	31/10/2023
<p>Summary of works in last quarter:</p> <p>Continue with OHL design and Site investigations. Section 37 and necessary wayleaves successfully determined. Works information and design for substation scope progressing.</p>	
<p>Summary of works in next quarter:</p> <p>Complete OHL design and Site investigations. Section 37 Pre commencement conditions to be discharged. Commence Contract negotiations and award for Construction Contract.</p>	
<p>Additional Comments:</p> <p>N/A</p>	



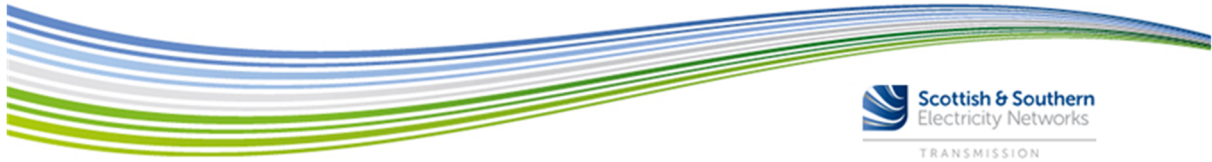
TORI SHET-RI-026 - Blackhillock 275 kV QBs	Scheme Blackhillock 275 kV QBs
Overview of Works At Blackhillock, install 2 x 865MVA (continuous rating) 275kV quadrature boosters with bypass on the existing 275kV circuits (AH1/HO2) to Knocknagael, rearranging the circuit terminations as appropriate.	
Project Completion Date	31/10/2026
Summary of works in last quarter: Design development work continuing project alongside the East Coast 400kV works.	
Summary of works in next quarter: Design development work continuing project alongside the East Coast 400kV works.	
Additional Comments: N/A	



TORI SHET-RI-028 – Thurso South to Gills Bay 132kV OHL	Scheme Thurso South to Gills Bay 132kV OHL
Overview of Works It is proposed to construct a new 132kV GIS double busbar arrangement switching station at Phillipstoun Mains, near Gills Bay (west of John O’Groats) and connect in two radial circuits from Thurso south. Construct a new suitably rated hybrid overhead line and underground cable double circuit, operated at 132kV, from Gills Bay to Thurso South.	
Project Completion Date	31/03/2025
Summary of works in last quarter: Project scope clarified and updated. Engineering and Design review and update commenced.	
Summary of works in next quarter: Complete Engineering and Design review and updates EIA scoping and screening for new switching station consent application Statutory and Public Consultation Develop and submit new switching station consent application Re-engage with landowners and secure outstanding land option agreements	
Additional Comments: N/A	



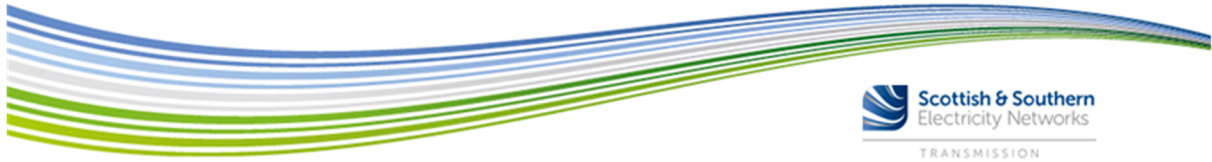
TORI SHET-RI-033 - Second 2 GW East Coast HVDC Link Peterhead to England	Scheme Second 2 GW East Coast HVDC Link Peterhead to England
Overview of Works Install an indoor 2GW HVDC converter station with associated equipment. HVDC cables to be routed into the sea and then south towards England (landing point to be confirmed). This will be a joint project with National Grid.	
Project Completion Date	31/10/2031
Summary of works in last quarter: Project submitted for assessment in yearly Network Options Assessment (NOA).	
Summary of works in next quarter: Work to be carried out establishing parameters of Initial Needs Case to be submitted to regulator.	
Additional Comments: N/A	



TORI SHET-RI-042 - Western Isles - Beaully HVDC Link	Scheme Western Isles - Beaully HVDC Link
Overview of Works Establish a 600MW HVDC link with associated equipment and converter stations between the Western Isles (Arnish on Lewis) and the 400kV double busbar at Beaully (established under SHET-RI-007b). The HVDC cable is to be approximately 79km of subsea cable, and approximately 80km of land cable. The HVDC infrastructure will interface with a new 132kV double busbar at Arnish (Lewis) and the 400kV double busbar at Beaully.	
Project Completion Date	01/04/2025
Summary of works in last quarter: Generator prospects in the Western Isles to be assessed and SSEN will work with stakeholders to determine the best route forward for the connection of developers able to progress. Review of programme through AR4 to allow developers to progress.	
Summary of works in next quarter: Project team to commence preparations for AR4 and be ready for generator success to allow Ofgem approval and the project to progress.	
Additional Comments: Completion date to be reviewed as part of programme review.	



TORI SHET-RI-043 - Lewis Infrastructure	Scheme Lewis Infrastructure
Overview of Works Build a new 132kV single circuit OHL between Arnish substation, and the wind farm Tee point. Dismantle the existing 132kV single circuit OHL between Stornoway Tee point, and the wind farm Tee point.	
Project Completion Date	01/04/2025
Summary of works in last quarter: Generator prospects in the Western Isles to be assessed and SSEN will work with stakeholders to determine the best route forward for the connection of developers able to progress. Review of programme through AR4 to allow developers to progress.	
Summary of works in next quarter: Project team to commence preparations for AR4 and be ready for generator success to allow Ofgem approval and the project to progress.	
Additional Comments: Completion date to be reviewed as part of programme review.	



TORI SHET-RI-046 - Taynuilt-North Argyll Rebuild	Scheme Taynuilt-North Argyll Rebuild
Overview of Works Reinforce the transmission network between Taynuilt and North Argyll substation (established as part of SHET-RI-013). Rebuild approximately 12.5km of existing 132kV double circuit steel tower line between North Argyll and Taynuilt with a larger capacity 132kV.	
Project Completion Date	31/10/2028
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: If Developer sign their connection offer the initial Governance documents are to be prepared and development progressed.	
Additional Comments: N/A	



TORI SHET-RI-050a - Inveraray - Port Ann Reinforcement	Scheme Inveraray - Port Ann Reinforcement
Overview of Works Reinforce the 132kV Transmission network in the Kintyre Peninsula. Rebuild approximately 37km of double circuit OHL between Inveraray and Port Ann. The towers will be built for 275kV operation, but initially operated at 132kV.	
Project Completion Date	31/03/2021
Summary of works in last quarter: Overhead line works: Access tracks were completed and all off-line towers between Inveraray Switching Station and Crarae substation are now fully erected. All Off-line wiring was completed between Inveraray and An Suidhe substation. Port Ann substation: New 132kV circuit switchers were commissioned	
Summary of works in next quarter: Overhead line works: Complete balance foundations and off-line tower assembly/erection works. Complete off-line wiring between An Suidhe substation to Crarae substation and outage wiring between Inveraray switching station and An Suidhe substation. Port Ann substation: Commence commissioning of GT1 bus section	
Additional Comments: N/A	



TORI SHET-RI-050b - Port Ann - Crossaig Reinforcement	Scheme Port Ann - Crossaig Reinforcement
Overview of Works Reinforce the 132kV Transmission Network in the Kintyre Peninsula. Rebuild approximately 48km of double circuit OHL between Port Ann and Crossaig. The towers will be built for 275kV operation, but initially operated at 132kV.	
Project Completion Date	31/10/2023
Summary of works in last quarter: The tender for the main contract works has concluded and continue the process of contract award. Completed ground investigations and advance forestry works. Tender for main Forestry Works ongoing.	
Summary of works in next quarter: Complete contract award and commence initial works to discharge of Sec 37 Consent and Planning conditions. Complete Forestry tender and award forestry contract	
Additional Comments: N/A	



TORI SHET-RI-052 - Lairg-Loch Buidhe 132kV Reinforcement	Scheme Lairg-Loch Buidhe 132kV Reinforcement
Overview of Works Establish a new 132kV double busbar at Lairg (Dalchork substation) and construct approximately 17km of new double circuit 132kV overhead tower line between Lairg and Loch Buidhe.	
Project Completion Date	30/04/2022
Summary of works in last quarter: Discharge of all planning & s37 pre-commencement conditions. Conclude the substation Public Road Improvement works, construct the site access road and main substation site compound/laydown areas and progress the 'bulk earthworks' for the platform. Commence the OHL Public Road Improvements and construct the access roads for the OHL and establish the main site compound. Enabling works for the foundations for several towers. Clear fell an area of mature woodland surrounding the OHL operational corridor.	
Summary of works in next quarter: Progress the construction of the site access roads and the substation platform. Construct AIS concrete bases. Construct the substation Control Building. Install site-wide drainage system and earthing grid on the platform. Commence the Loch Buidhe access track and terminal tower platform. Construct main OHL site compound/laydown areas and progress the Public Road Improvements. Construct the access roads and spurs to the towers via the 3 main access points. Commence the foundations for a number of towers.	
Additional Comments: N/A	



TORI SHET-RI-053 - Shetland 600 MW HVDC Link and Kergord 132kV Substation	Scheme Shetland 600 MW HVDC Link and Kergord 132kV Substation
Overview of Works Construct a 600MW HVDC link from Shetland to the Scottish mainland at an HVDC switching station in the vicinity of Noss Head in Caithness. The HVDC switching station works will integrate with the Caithness-Moray Transmission Reinforcement (part of SHET-RI-031) The HVDC link includes a 600MW HVDC converter station and 132kV Substation at Kergord in Shetland. The new 132kV Substation at Kergord will be the collection point for generation in Shetland. The 600MW HVDC link will have approximately 13km of land cable and 284km of subsea cable between Shetland and the HVDC switching station in Caithness.	
Project Completion Date	31/03/2024
Summary of works in last quarter: Commenced construction on site at Kergord, Shetland, establishing construction site compound, watercourse diversions and commencing bulk earthworks. Mobilised to Noss Head, Caithness establishing access Commenced manufacture of HVDC cable for Type test Commenced detail design for all work packages Project Assessment submitted to Ofgem.	
Summary of works in next quarter: Continue bulk earthworks to create platform at Kergord, Shetland Commence bulk earthworks at Noss Head, Caithness for HVDC Switching Station Commence site accommodation/access works for land cable mobilisation Commence HVDC cable Type Test Continue detail design for all work packages	
Additional Comments: N/A	



TORI SHET-RI-058 - Beauly-Loch Buidhe 275kV OHL Reinforcement	Scheme Beauly-Loch Buidhe 275kV OHL Reinforcement
Overview of Works This project is to reinforce the existing BSW/BSE Beauly, Shin to Loch Buidhe 132kV double circuit with a higher capacity 275kV double circuit OHL. The reinforcement will include a new double circuit steel lattice tower L3/1 construction approximately 40km, as well as works at Beauly, Loch Buidhe and Shin substations.	
Project Completion Date	31/10/2021
Summary of works in last quarter: System Studies in progress to reassess Derogation requirement and required scope of reinforcement.	
Summary of works in next quarter: System Studies in progress to reassess Derogation requirement and required scope of reinforcement.	
Additional Comments: TORI will be updated to reflect a new completion date.	



TORI SHET-RI-059 - Third 2GW East Coast HVDC Link Peterhead to England	Scheme Third 2GW East Coast HVDC Link Peterhead to England
Overview of Works Install an indoor 2GW HVDC converter station with associated equipment. HVDC cables to be routed into the sea and then south towards England (landing point to be confirmed). This will be a joint project with National Grid.	
Project Completion Date	31/10/2033
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project on hold.	
Additional Comments: N/A	



TORI SHET-RI-060 - Loch Buidhe - Dounreay 275kV circuit reconductoring	Scheme Loch Buidhe - Dounreay 275kV circuit reconductoring
Overview of Works Reconductor the west side of the 275kV circuit double circuit between Loch Buidhe and Dounreay making it the same specification as the east side.	
Project Completion Date	31/10/2020
Summary of works in last quarter: All reconductoring works completed and line re-energised successfully prior to completion date. Access reinstatement works finishing nearing completion	
Summary of works in next quarter: Works complete	
Additional Comments: N/A	



TORI SHET-RI-061 - Skye Overhead Line Reinforcement	Scheme Skye Overhead Line Reinforcement
Overview of Works Construct a new 132kV circuit from Fort Augustus to Ardmore. The circuit is proposed as double circuit structure from Fort Augustus to Broadford, Single Circuit Structure from Broadford to Edinbane and single circuit structure from Edinbane to Ardmore (approximately 160km Fort Augustus 132kV substation to Ardmore 132kV substation).	
Project Completion Date	31/12/2025
Summary of works in last quarter: Walk over surveys are nearing completion and draft alignment is being reviewed by internal project team in advance of wider external consultation. The report on the routing consultation undertaken in the summer of 2020 has been reviewed by legal and released publicly.	
Summary of works in next quarter: Conclude the alignment design and undertake wider consultation with key stats and landowners in advance of planned public consultation events in Q2/Q3 of 2021. Prepare needs case submission to be issued to Ofgem	
Additional Comments: N/A	



TORI SHET-RI-064 - Fort Augustus Substation 400/132kV Development	Scheme Fort Augustus Substation 400/132kV Development
Overview of Works Develop the existing Fort Augustus substation to include a new 400kV and a new 132kV busbar. The new 400kV busbar is to be connected to the new 132kV busbar via two new 480MVA 400/132kV Supergrid transformers.	
Project Completion Date	31/10/2021
Summary of works in last quarter: Commenced installation of 400kV Gas Insulated Switchgear, Delivery of 1no Transformer, Completion of the 400kV Building, Continuation of 132kV building construction.	
Summary of works in next quarter: Continue with the installation of 400kV Gas Insulated Switchgear, Complete the installation of the first Transformer, Delivery and installation of the second Transformer, achieve a wind and water tight 132kV building, Commence 132kV Gas Insulated Switchgear construction.	
Additional Comments: Second Transformer unit delivery delayed due to procurement issues as a result of COVID19 associated disruption to the sub-supply chain.	



TORI SHET-RI-065a - Beaully 132 kV Substation Redevelopment	Scheme Beaully 132 kV Substation Redevelopment
Overview of Works Establish a new 132kV double busbar arrangement at Beaully substation, and transfer the circuits from the existing 132kV busbar to the new busbar. Connect the new 132kV double busbar to the existing 275kV busbar via two new 360MVA 275/132kV transformers. Third new 360MVA 275/132kV transformer will be undertaken under SHET-RI 065b	
Project Completion Date	31/10/2024
Summary of works in last quarter: Initial design works to determine a workable solution of the works. Planning permission "Pre-application" for the project has been submitted to the local authority. Initial public consultations held.	
Summary of works in next quarter: Continue design work to create detailed design and begin collating tender information Collate environmental and noise studies and complete 3D model for submission of planning application submission.	
Additional Comments: N/A	



TORI SHET-RI-065b - Beauly 3rd SGT Replacement	Scheme Beauly 3rd SGT Replacement
Overview of Works Replacement of third existing 275/132kV 120MVA SGT with a new 360MVA 275/132kV transformer. SHET-RI 065a covers establishment of a new 132kV double busbar arrangement at Beauly substation, and transfer the circuits from the existing 132kV busbar to the new busbar.	
Project Completion Date	31/10/2025
Summary of works in last quarter: See TORI-065a	
Summary of works in next quarter: See TORI-065a	
Additional Comments: N/A	



TORI SHET-RI-066 - Fort Augustus Substation 400/275kV Development	Scheme Fort Augustus Substation 400/275kV Development
Overview of Works Develop the existing Fort Augustus substation to include a new 275kV busbar. The 275kV busbar is connected to the 400kV busbar via two 1200MVA 400/275kV Supergrid transformers. The 400kV busbar is part of SHET-RI-064 works.	
Project Completion Date	31/12/2027
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project is now required for the connection of the Coire Glas Pumped Hydro Storage Scheme in 2027, however no immediate works to deliver this are required until 2024.	
Additional Comments: N/A	



TORI SHET-RI-068 - Fort Augustus -Invergarry-400/132kV Development	Scheme Fort Augustus -Invergarry-400/132kV Development
Overview of Works Upgrade the existing 132kV double circuit OHL between Fort Augustus and Invergarry substation with a new 400kV OHL. The existing 132kV OHL forms part of the Fort Augustus to Fort William FFE/FFW Circuits. Part of the upgrade is to establish a 400/132kV substation at Invergarry to connect the existing 132kV OHL from Fort William and Invergarry Generation. The new 400kV OHL will terminate into the 400kV busbar at Fort Augustus. The 400kV busbar is part of SHET-RI-064 works.	
Project Completion Date	31/12/2027
Summary of works in last quarter: A Modification Application is currently being progressed for this project to amend the Completion Date.	
Summary of works in next quarter: Following amendment of the completion date following the Modification Application, the project is commencing optioneering for the Substation Sites and Overhead Line corridors in the next quarter.	
Additional Comments: N/A	



TORI SHET-RI-069 - Kinardochoy Reactive Compensation	Scheme Kinardochoy Reactive Compensation
Overview of Works Reactive Compensation is required at a new Kinardochoy substation for voltage support on the 275kV Beauldy-Denny overhead line. The Reactive Compensation will require a capability of +225MVar and -225MVar.	
Project Completion Date	31/08/2024
Summary of works in last quarter: Completion of the procurement event for the main substation and works. Completion of ground investigations and surveys. Progression of land agreements for both substation and OHL works	
Summary of works in next quarter: Progression of the procurement event for the Overhead Line works. Completion of the Environmental Impact Assessments and Submission of planning and section 37 consent applications. Undertake trunk road bridge assessments for main transformer delivery.	
Additional Comments: N/A	



TORI SHET-RI-072 - Blackhillock-Kintore 400 kV OHL Upgrade	Scheme Blackhillock-Kintore 400 kV OHL Upgrade
Overview of Works Replace the existing 55km XH1/XH2 275kV double circuit OHL with a 400kV double circuit OHL. The new 400kV OHL will terminate on the 400kV busbars at Blackhillock and Kintore substations. A new connection arrangement is required at Cairnford substation to allow connection to the proposed 400kV OHL.	
Project Completion Date	30/09/2027
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project on hold.	
Additional Comments: N/A	



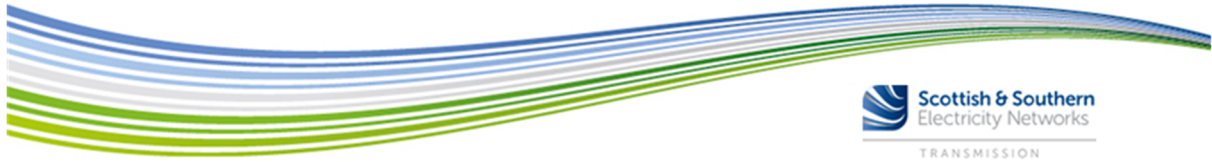
TORI SHET-RI-073 - Keith-Macduff-Blackhillock	Scheme Keith-Macduff-Blackhillock
Overview of Works Reinforce the existing Keith, Macduff and Blackhillock 132kV transmission network by reconfiguring the Macduff transmission circuits away from Keith 132kV substation.	
Project Completion Date	31/10/2020
Summary of works in last quarter: All cable civil construction, jointing and high voltage testing works are completed with the circuits now fully commissioned and energised. Decommissioning works of the 132kV bay and overhead line tower removal were also completed.	
Summary of works in next quarter: Reinstatement works, removal of temporary access track and snagging remedial works to be completed along the cable route. Health and Safety file and Final records submitted and handed over to Operation Team by end of Q1	
Additional Comments: Project is operational.	



TORI SHET-RI-075 - Orkney 132kV Infrastructure Finstown - Ellibster	Scheme Orkney 132kV Infrastructure Finstown - Ellibster
Overview of Works SHET-RI-075 works forms part of the Orkney 132kV Local Onshore Transmission Infrastructure. The works includes the establishment of the 132 kV Switching Station at Ellibster and a 132kV OHL Trident wood pole connection from Ellibster to Finstown Substation. Note that Finstown 132kV Substation is established as part of SHET-RI-019 works.	
Project Completion Date	30/04/2023
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project on hold.	
Additional Comments: TORI Completion date will be updated in line with TORI-019.	



TORI SHET-RI-076 - Fetteresso-Fiddes 270/132kV Reinforcement	Scheme Fetteresso-Fiddes 270/132kV Reinforcement
Overview of Works Establish approximately 10km of double circuit 132kV between Fetteresso and Fiddes Substation. This reinforcement is required to de-load the existing Bridge of Dun – Fiddes – Craigiebuckler (CF circuit) 132kV wood pole circuit. Fetteresso Substation is to be further developed to accommodate a new 275kV and 132kV double busbar arrangement with an additional 240MVA 275/132kV SGT.	
Project Completion Date	31/10/2020
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project on hold. TORI to be withdrawn.	
Additional Comments: N/A	



TORI SHET-RI-079 - Blackhillock Additional 275/132kV SGTs	Scheme Blackhillock Additional 275/132kV SGTs
Overview of Works Reinforce the transmission network at Blackhillock substation by installing two additional new 275/132kV Supergrid Transformers. The transformers are to be rated at 360MVA.	
Project Completion Date	30/06/2023
Summary of works in last quarter: Project progressing through Development Team and working towards initial design deliverables.	
Summary of works in next quarter: Project to continue to progress through Development Team and working towards initial design deliverables.	
Additional Comments: Change in generation background will require this reinforcement to move completion date to June 2025.	



TORI SHET-RI-085b - Melgarve 400/132kV Substation	Scheme Melgarve 400/132kV Substation
Overview of Works Establish a new 400/132 kV Substation at Melgarve, to enable the connection of wind generation in the area.	
Project Completion Date	30/11/2020
Summary of works in last quarter: Outage works have been completed. All equipment is now operational, and the permanent connection is complete.	
Summary of works in next quarter: Complete final records and handover to Operations.	
Additional Comments: This project is now operational	



TORI SHET-RI-086 - Craig Murrail Switching Station	Scheme Craig Murrail Switching Station
Overview of Works It is proposed that a new 132 kV switching station will be constructed near the Port Ann tee point (Craig Murrail) cutting into the Crossaig-Inveraray 132 kV double circuit. Disconnect Port Ann from tee points on the 132kV OHL and connect Port Ann GSP directly onto the new 132kV double busbars.	
Project Completion Date	31/10/2024
Summary of works in last quarter: Not yet contracted. Project will be initiated on acceptance.	
Summary of works in next quarter: Not yet contracted. Project will be initiated on acceptance.	
Additional Comments: N/A	



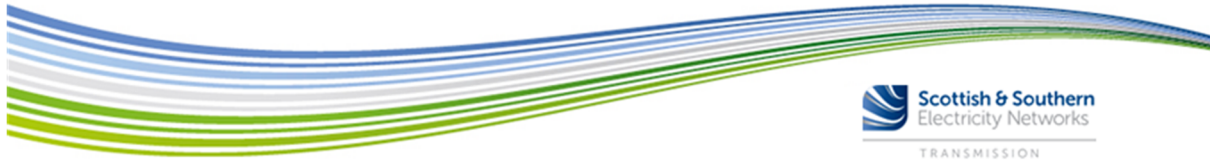
TORI SHET-RI-088 - Loch Buidhe - Dounreay 275kV Reinforcement	Scheme Loch Buidhe - Dounreay 275kV Reinforcement
Overview of Works Reconductor the existing 275kV double circuit OHL between Loch Buidhe and Dounreay (approximately 87km). The double circuit is to be reconducted with a high temperature conductor, with a summer pre-fault rating of 900MVA.	
Project Completion Date	31/08/2025
Summary of works in last quarter: System Studies in progress to assess the required scope of reinforcement.	
Summary of works in next quarter: System Studies in progress to assess the required scope of reinforcement.	
Additional Comments: Project is at early conceptual design stage.	



TORI SHET-RI-089 - Farigaig SGT2 Upgrade	Scheme Farigaig SGT2 Upgrade
Overview of Works Upgrade the 120MVA 275/132kV SGT2 at Farigaig substation to a 240MVA SGT, to facilitate the connection of generation in the area.	
Project Completion Date	29/07/2021
Summary of works in last quarter: Development team to look at possible connection options and potential new connection route to respond to NGESO and Developers proposals.	
Summary of works in next quarter: No works planned in the next quarter due to the Customer submitting a Modification Application to delay their connection date, with the project currently on hold.	
Additional Comments: Completion date will be updated following completion of Modification Application	



TORI SHET-RI-090 - Coupar Angus - Errochty 132kV Reconductoring	Scheme Coupar Angus - Errochty 132kV Reconductoring
Overview of Works Reconductor approximately 15.4km of the existing 132kV double circuit OHL between Errochty and Clunie substations. This double circuit is to be reconducted with UPAS conductor (1 x 300mm ²) and will operate at 75°C to give a minimum summer pre-fault rating of 176MVA.	
Project Completion Date	31/10/2026
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project on hold.	
Additional Comments: N/A	



TORI SHET-RI-093 - East Coast Phase 2 - 400kV Reinforcement	Scheme East Coast Phase 2 - 400kV Reinforcement
Overview of Works Upgrade the existing Blackhillock / Rothienorman / Kintore / Alyth / Kincardine east coast 275kV circuits to 400kV operation. Establish a new 400kV double busbar at Kintore to enable this upgrade. This upgrade also interfaces at Blackhillock 400kV Substation and with Scottish Power Transmission (SPT) at Kincardine substation. SPT will be responsible for all the 400kV OHL upgrade and substation works beyond the SHE Transmission/SPT Boundary (Boundary 4).	
Project Completion Date	31/10/2026
Summary of works in last quarter: Continue and conclude Environmental Impact Assessment (EIA) to support an application for consent for the OHL, including securing necessary land rights for the application to be determined. Commence procurement activities to identify a competent contractor to design and install the works. Design refinement of Kintore substation to align with North East Coast detailed design following procurement of a design contractor. Consents have been submitted and monitoring of consents will be undertaken for the Kintore substation during the next quarter. The Kintore project will be taken forward by a Delivery Project manager.	
Summary of works in next quarter: The Overhead Line Consent Application is to be submitted following completion of the Environmental Impact Assessment and relevant consultations. The invitation to tender for the design and construction work for the Overhead Line is to be progressed but not awarded until the following quarter. On the Kintore Substation, the invitation to tender for the required works is current out and is to be returned within December, with an award of the required packages made in this quarter. Detailed Design will progress following this, with an update expected in this quarter on progress of the consent application.	
Additional Comments: N/A	



TORI SHET-RI-098 - Dunoon GL1-GL2 OHL Rebuild	Scheme Dunoon GL1-GL2 OHL Rebuild
<p>Overview of Works Rebuild approximately 18km of double circuit overhead line between Dunoon substation and the SHET – SPT boundary.</p> <p>This project interfaces with Scottish Power Transmission (SPT), and any works required beyond the SHET-SPT boundary will be the responsibility of SPT.</p>	
Project Completion Date	30/03/2025
<p>Summary of works in last quarter: Carried out Public Consultation. Identified overhead line preliminary preferred route. Engaged with key statutory stakeholders.</p>	
<p>Summary of works in next quarter: Continue ornithological surveys. Identify an alignment for the overhead line. Continue engagement with key stakeholders. Identify tower type.</p>	
<p>Additional Comments: N/A</p>	



TORI SHET-RI-099 - Beauly-Keith 132kV Reconductoring	Scheme Beauly-Keith 132kV Reconductoring
Overview of Works Reconductor approximately 108km of the existing 132kV double circuit OHL between Beauly and Keith 132kV substations. This double circuit is to be reconducted with a minimum summer pre-fault rating of 176MVA.	
Project Completion Date	31/10/2022
Summary of works in last quarter: Overhead line reconducting between Elgin to Keith continued, with completion in Q4 2020. Foundation upgrade works complete. Tower steelwork replacement complete in Q4 2020. Substation design works progressing to programme, non outage works started Q3 2020. Keith disconnector replacement works programmed for Q4 2020.	
Summary of works in next quarter: Keith substation line disconnector modifications forecast for completion in Q1 2021. Beauly substation disconnector modifications forecast for completion in Q1 2021. Circuit protection modifications and commissioning forecast for completion in Q1 2021.	
Additional Comments: N/A	



TORI SHET-RI-105 - Rothienorman s/s & Rothienorman - Kintore Reconductoring	Scheme Rothienorman s/s & Rothienorman - Kintore Reconductoring
Overview of Works Establish a new double busbar at Rothienorman to be built at 400kV, but initially operate at 275kV. Re-conductor the 275kV double circuit overhead line between the new double busbar at Rothienorman and Kintore substation (MX1, MX2).	
Project Completion Date	01/04/2021
Summary of works in last quarter: Rothienorman Substation: M&E final installation works complete, snagging works commenced Civils snagging works ongoing. Off-line Commissioning works progressing. Installation checks and primary injections complete. Secondary Injections 50% complete. Control and protection systems testing - 10 of 12 feeder bays complete. Kintore - Rothienorman - New Deer Overhead Line: Name plates and tower furniture installation on Towers completed. Tower strengthening works and installation of anti-climb devices completed. Snagging works completed.	
Summary of works in next quarter: Completion of off-line testing and commissioning. Completion of Substation snagging works. Overhead line turn-in of first circuit to commence.	
Additional Comments: N/A	



TORI SHET-RI-106b - Connagill 2nd SGT	Scheme Connagill 2nd SGT
Overview of Works At Connagill substation, install a 2nd 275/132kV 120/240MVA supergrid transformer, to enable the connection of wind generation in the local area to the Dounreay – Loch Buidhe 275kV circuit.	
Project Completion Date	01/04/2024
Summary of works in last quarter: Initial Governance documents to be prepared and development progressed.	
Summary of works in next quarter: Project Development work to continue	
Additional Comments: N/A	



TORI SHET-RI-107 - North Argyll - Inveraray Reinforcement	Scheme North Argyll - Inveraray Reinforcement
Overview of Works Reinforce the double circuit overhead line between North Argyll 275/132kV substation (established as part of SHET-RI-013) and Inveraray 132kV switching station. This reinforced circuit will connect to the double circuit overhead line from Crossaig (rebuilt as part of SHET-RI-050) approximately 2.8km away from Inveraray.	
Project Completion Date	30/04/2025
Summary of works in last quarter: Initial Governance documents completed. Development process started.	
Summary of works in next quarter: Overhead Line Route Selection Report to be prepared and consultation with stakeholders to commence.	
Additional Comments: N/A	



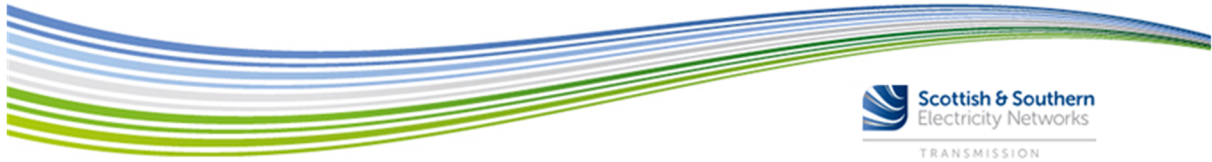
TORI SHET-RI-109 - Loch Buidhe - Spittal 132kV Reconductoring	Scheme Loch Buidhe - Spittal 132kV Reconductoring
Overview of Works Reconductor the existing 90km 132kV tower line between Loch Buidhe and Spittal substations. The 132kV overhead line is to be reconducted with a higher capacity conductor than the existing conductor and should have a minimum summer pre-fault rating of 176MVA.	
Project Completion Date	30/06/2027
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: If Developer sign their connection offer the initial Governance documents are to be prepared and development progressed.	
Additional Comments: N/A	



TORI SHET-RI-111 - Abernethy 132kV Mesh Corner	Scheme Abernethy 132kV Mesh Corner
Overview of Works At Abernethy 132/33kV substation, install a four circuit breaker mesh corner. This will be connected to the existing Burghmuir – Charleston 132kV double circuit overhead line (PCN/CAS).	
Project Completion Date	31/10/2022
Summary of works in last quarter: Project on hold following Cost Benefit Analysis (CBA) recommendation that the works are not most economical solution. Regional Development Plan being considered for this 132kV subsystem to accommodate contracted generation.	
Summary of works in next quarter: Progress with Regional Development Plan and further optioneering to identify most economical solution to accommodate contracted generation.	
Additional Comments: N/A	



TORI SHET-RI-113 - Kintyre-Hunterston Subsea Cable Intertrip Scheme	Scheme Kintyre-Hunterston Subsea Cable Intertrip Scheme
Overview of Works Between Crossaig substation and Carradale GSP install an intertrip scheme which will monitor the two 220kV Crossaig – Hunterston subsea cables. Following the loss of both subsea cables (N-2) an intertrip signal will be sent to applicable users to switch out.	
Project Completion Date	31/10/2020
Summary of works in last quarter: Project to be completed alongside Carradale GSP works.	
Summary of works in next quarter: Project to be completed alongside Carradale GSP works.	
Additional Comments: N/A	



TORI SHET-RI-115 - Melgarve 400/132 kV Substation Additional SGTs	Scheme Melgarve 400/132 kV Substation Additional SGTs
Overview of Works At Melgarve substation (established under SHET-RI-085a and SHET-RI-085b), install an additional two 480MVA SGTs to enable the connection of wind generation in the area.	
Project Completion Date	31/10/2026
Summary of works in last quarter: Project now required for July 2025 and initial project documentation being prepared. Project will be passed to the Development phase.	
Summary of works in next quarter: Project Development work to continue	
Additional Comments: N/A	



TORI SHET-RI-116 - Kergord - Yell 132kV Connection	Scheme Kergord - Yell 132kV Connection
Overview of Works On Shetland install a new 132kV single circuit between the Kergord 132kV substation (established as part of SHET-RI-053) and a new tee point on Yell, to enable the connection of renewable generation.	
Project Completion Date	31/03/2024
Summary of works in last quarter: Project passed to TORI-053 team to develop routing options.	
Summary of works in next quarter: Project is being developed alongside the TORI-053 project	
Additional Comments: N/A	



TORI SHET-RI-117 - Tealing 275kV Busbar Upgrade	Scheme Tealing 275kV Busbar Upgrade
Overview of Works At Tealing remove the existing 275kV 2500A rated busbar and replace with a new 4000A rated 275kV double busbar complete with two bus couplers, one bus section and busbar selection on all feeder bays.	
Project Completion Date	31/12/2021
Summary of works in last quarter: Main & Reserve 2 busbar energised. Outage taken and returned on Tealing – Westfield (TW1) circuit to transfer circuits across	
Summary of works in next quarter: Outage taken on Reserve bus bar 1 to dismantle and install the new equipment. Stage 1 commissioning commences.	
Additional Comments: N/A	



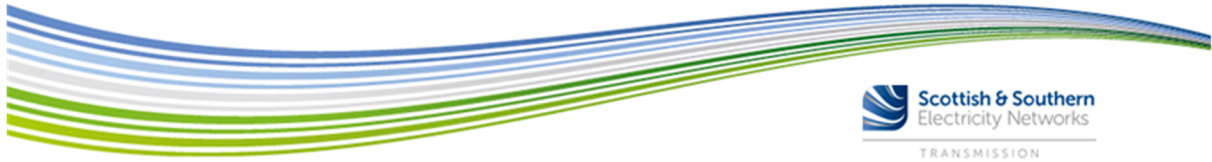
TORI SHET-RI-118 - Orkney 132kV Infrastructure: Finstown - Hoy	Scheme Orkney 132kV Infrastructure: Finstown - Hoy
Overview of Works SHET-RI-118 forms part of the Orkney 132kV Local Onshore Transmission Infrastructure. The works includes the establishment of a 132kV transmission single circuit between Finstown 132 kV busbar (established under SHET-RI-019) and Hoy GSP. The new 132kV infrastructure will comprise of approximately 4km of subsea cable and 26km of overhead line (split into two sections).	
Project Completion Date	31/10/2024
Summary of works in last quarter: TORI will be withdrawn. Works are no longer shared use due the termination of another project.	
Summary of works in next quarter: TORI withdrawn.	
Additional Comments: N/A	



TORI SHET-RI-119 - Corriemoillie Transformer Protection Modification	Scheme Corriemoillie Transformer Protection Modification
Overview of Works At the existing Corriemoillie substation, install a 3 ended grid transformer differential protection scheme on GT2 to enable the connection of a second generator at Corriemoillie.	
Project Completion Date	31/10/2024
Summary of works in last quarter: Development and engineering design work to begin.	
Summary of works in next quarter: Development and engineering design work to begin.	
Additional Comments: N/A	



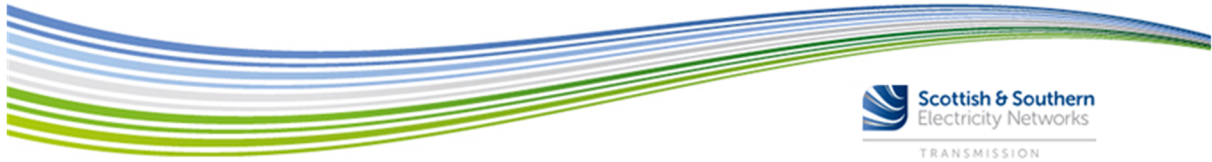
TORI SHET-RI-120 - East Coast 132kV Upgrade	Scheme East Coast 132kV Upgrade
Overview of Works Construct a new Grid Supply Point substation near Fiddes connected to the 275kV double circuit tower line XT1/XT2 between Kintore and Tealing. Construct a new 132kV double circuit overhead line between Brechin and the Tealing/Arbroath/Brechin Tee Point. Reconductor the existing double circuit tower line between Tealing and the Tealing/Arbroath/Brechin Tee Point. Dismantle the existing Fiddes 132/33kV substation. Dismantle the existing 132kV single circuit overhead line between the Craigiebuckler/Tarland/Fiddes Tee Point and the Brechin Substation.	
Project Completion Date	31/10/2026
Summary of works in last quarter: Further engineering, design development work has resulted in a date change to a 2026 completion. Customer directly impacted have been informed. CBA works continue to identify optimal pathway for the East Coast 132kV network.	
Summary of works in next quarter: Continue with Optioneering and Project Development to identify optimum reinforcement strategy.	
Additional Comments: N/A	



TORI SHET-RI-121 - Charleston - Abernethy 132kV Reconductoring	Scheme Charleston - Abernethy 132kV Reconductoring
Overview of Works Reconductor approximately 25km of 132kV OHL between Abernethy 132kV substation and Charleston 132kV substation. The circuit should be reconducted with a conductor capable of a minimum summer pre-fault rating of 150MVA.	
Project Completion Date	31/10/2022
Summary of works in last quarter: Project currently on hold due to cost benefit analysis identifying this is not the most economical solution. Whole system/Innovative solutions being investigated to ensure optimal strategy and timing of network reinforcement. Changes to the generation background will be considered through the optioneering phase.	
Summary of works in next quarter: Continue with Optioneering and Project Development to identify optimum reinforcement strategy to accommodate contracted generation.	
Additional Comments: N/A	



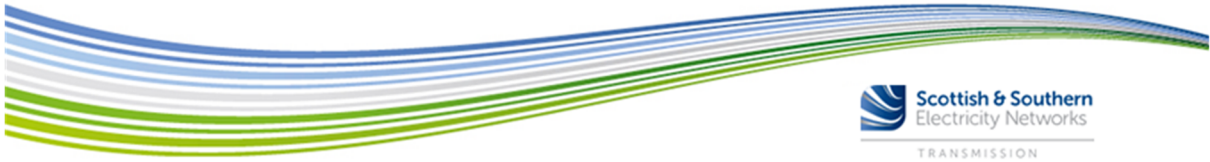
TORI SHET-RI-122 - Dounreay - Orkney 220kV Subsea HVAC Cable Link 3	Scheme Dounreay - Orkney 220kV Subsea HVAC Cable Link 3
Overview of Works Establish a third 220kV Subsea HVAC circuit over a distance of approximately 67km between the 275kV GIS substation at Dounreay on the mainland and the new 132kV substation in the vicinity of Finstown on Orkney. The HVAC circuit comprises of approximately 14km of land cable and 53km of subsea cable.	
Project Completion Date	31/10/2024
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: TORI is to be withdrawn	
Additional Comments: N/A	



TORI SHET-RI-123 - Shin - Loch Buidhe 132kV Reconductoring	Scheme Shin - Loch Buidhe 132kV Reconductoring
Overview of Works Following the completion of SHET-RI-058, Shin substation will be radially connected into Loch Buidhe 132kV substation via the existing 132kV double circuit. TORI-123 project is to reconductor this 132kV double circuit overhead line between Shin substation and Loch Buidhe substation. The double circuit should be reconducted with a minimum summer pre-fault rating of 190MVA.	
Project Completion Date	31/12/2023
Summary of works in last quarter: System Studies ongoing.	
Summary of works in next quarter: System Studies ongoing.	
Additional Comments: Project is at early conceptual design stage.	



TORI SHET-RI-124 - 2nd Shetland HVDC Link Kergord - Rothienorman	Scheme 2nd Shetland HVDC Link Kergord - Rothienorman
Overview of Works Construct a 2nd 600MW (tbc) HVDC link from Kergord 132kV substation on Shetland (established under SHET-RI-053) to the Scottish mainland at an HVDC convertor station at Rothienorman substation. The 600MW HVDC link will have approximately 36km of land cable and 320km of subsea cable between Shetland and Rothienorman.	
Project Completion Date	31/10/2026
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project on hold.	
Additional Comments: N/A	



TORI SHET-RI-126 - Kergord - Yell 132kV 2nd Connection	Scheme Kergord - Yell 132kV 2nd Connection
Overview of Works On Shetland install a new 2nd 132kV single circuit between the Kergord 132kV substation (established as part of SHET-RI-053) and the South Yell Switching Station (constructed as part of SHET-RI-116), to enable the connection of renewable generation.	
Project Completion Date	31/10/2026
Summary of works in last quarter: Project on hold.	
Summary of works in next quarter: Project on hold.	
Additional Comments: N/A	



TORI SHET-RI-127 - Dounreay - Spittal 400 kV Double Circuit Cable	Scheme Dounreay - Spittal 400 kV Double Circuit Cable
Overview of Works Establish two new 400kV double busbars, one at a new site close to Dounreay and the second at Spittal. Construct approximately 15km of new 400kV double circuit underground cables from the new site close to Dounreay and Spittal. The new 400kV cable circuits should have a minimum summer rating of 1500MW on each circuit	
Project Completion Date	31/10/2031
Summary of works in last quarter: Subject to Connection Infrastructure Options Note (CION) process.	
Summary of works in next quarter: Initial Development and optioneering works to progress.	
Additional Comments: N/A	



TORI SHET-RI-128 - Caithness-Peterhead Transmission Reinforcement 2 x 1.5GW HVDC Links	Scheme Caithness-Peterhead Transmission Reinforcement 2 x 1.5GW HVDC Link
Overview of Works As part of the Caithness-Peterhead Transmission Reinforcement, it is required to construct two 1.5GW HVDC links from Spittal to Peterhead. The HVDC links are approximately 145km from Spittal to Peterhead (115km subsea cable and 30km underground cable).	
Project Completion Date	31/10/2031
Summary of works in last quarter: Subject to Connection Infrastructure Options Note (CION) process.	
Summary of works in next quarter: Initial Development and optioneering works to progress.	
Additional Comments: N/A	



TORI SHET-RI-129 - Farigaig SGT1 Upgrade	Scheme Farigaig SGT1 Upgrade
Overview of Works Upgrade the 120MVA 275/132kV SGT1 at Farigaig substation to a 240MVA SGT, to facilitate the connection of generation in the area.	
Project Completion Date	01/04/2024
Summary of works in last quarter: Initial Development and optioneering works to progress.	
Summary of works in next quarter: Initial Development and optioneering works to progress.	
Additional Comments: Project is at early conceptual design stage.	



TORI SHET-RI-130a - North Argyll - Craig Murrail 275kV Operation	Scheme North Argyll - Craig Murrail 275kV Operation
Overview of Works Reinforce the network in the Argyll and Kintyre network to enable 275kV operation of the network from Creag Dhubh substation (established as part of SHET-RI-013) to Craig Murrail Substation. This will require the upgrade of substations on this circuit for 275kV operation.	
Project Completion Date	31/10/2025
Summary of works in last quarter: Initial Governance documents completed. Development process started.	
Summary of works in next quarter: Site Selection Report to be prepared.	
Additional Comments:	



TORI SHET-RI-130b - Craig Murrail - Crossaig 275kV Operation	Scheme Craig Murrail - Crossaig 275kV Operation
Overview of Works Reinforce the network in the Argyll and Kintyre network to enable 275kV operation of the network from Craig Murrail substation to a new double busbar substation to be established at Crossaig.	
Project Completion Date	31/10/2026
Summary of works in last quarter: Initial Governance documents completed. Development process started.	
Summary of works in next quarter: Site Selection Report to be prepared.	
Additional Comments:	



TORI SHET-RI-131 - Brechin 132kV Extension	Scheme Brechin 132kV Extension
Overview of Works Construct 2 new circuit breakers at Brechin Grid Supply point.	
Project Completion Date	31/10/2024
Summary of works in last quarter: Further engineering, design development work has resulted in a date change to a 2026 completion. Customer directly impacted have been informed. CBA works continue to identify optimal pathway for the East Coast 132kV network.	
Summary of works in next quarter: Optioneering and Project Development to continue alongside related reinforcement, SHET-RI-120.	
Additional Comments: Generation background has changed and consequently this reinforcement is proposed to move to 31/10/2026 – optioneering and development will progress in parallel with SHET-RI-120.	



TORI SHET-RI-132 - Beauly-Blackhillock High Temperature Reconductoring	Scheme Beauly-Blackhillock High Temperature Reconductoring
Overview of Works Reconductor the Beauly - Blackhillock 275 kV double circuit line with high temperature conductors. The circuits to be reconducted comprise the existing 275kV overhead lines between Beauly and Knocknagael, and between Knocknagael and Blackhillock. The substation at Knocknagael is adjacent to the existing Foyers line tee point.	
Project Completion Date	31/10/2026
Summary of works in last quarter: Subject to acceptance.	
Summary of works in next quarter: Subject to acceptance.	
Additional Comments: N/A	



TORI SHET-RI-134 – Beauly-Denny 2 nd Circuit upgrade from 275kV to 400kV	Scheme Beauly-Denny 2 nd Circuit upgrade from 275kV to 400kV
Overview of Works Upgrade the existing Beauly / Fasnakyle/ Fort Augustus / Tummel-Kinardochy / Braco West / Bonny Bridge 275kV circuit to 400kV; mirroring the ratings of the existing 400kV circuit, along the route	
Project Completion Date	31/10/2029
Summary of works in last quarter: Subject to Developer accepting their connection offer.	
Summary of works in next quarter: The initial Governance documents are to be prepared and development progressed.	
Additional Comments: N/A	