

Transmission Owner Reinforcement Instruction (TORI)

Quarterly Update Report



Scottish & Southern
Electricity Networks

July 2024 – September 2024

TRANSMISSION



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SSEN 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 contracts 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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TORI SHET-RI-007a - Beaulay - Blackhillock 400kV Double Circuit OHL	Scheme Beaulay - Blackhillock 400kV Double Circuit OHL
Overview of Works Establish a new double circuit 400kV overhead line approximately 110km from Beaulay to Blackhillock. In an update from initial scope, the new OHL is to connect to a new 400kV busbar at Beaulay (Fanellan Substation) and a new 400kV busbar at Blackhillock (Coachford Substation).	
Proposed Consent Submission	30/11/2024
Current Project Phase	Design
Next Project Phase	Consenting
Next Stakeholder Event	Final alignment information event
Project Completion Date	31/10/2030
Summary of works in last quarter: Review of public and statutory feedback, following alignment consultation events to finalise alignments and achieve Design Freeze for surveys. Ongoing surveys and assessment to inform Environmental Impact Assessment (EIA) in preparation for submission of Section 37 notice. Ongoing land discussions with impacted landowners. Commenced initial GI works.	
Summary of works in next quarter: Address outstanding statutory feedback and finalise alignment. Prepare Report on Consultation and complete final alignment public information events to communicate final tower positions with public and stakeholders. Continue GI works. Complete final surveys to inform EIA.	
Additional Comments: Project is being developed in parallel to SHET-RI-137 Blackhillock – New Deer – Peterhead 400kV OHL with shared project team. New Beaulay 400kV Busbar (Fannelan) to be connected to is captured in scope of SHET-RI-007b. New Blackhillock 400kV Busbar (Coachford) to be connected to is captured in scope of TORI 199.	



TORI SHET-RI-007b - Beauly 400kV Busbar	Scheme Beauly 400kV Busbar
Overview of Works Busbar extension at the existing Beauly Substation.	
Proposed Consent Submission	tbc
Current Project Phase	Optioneering
Next Project Phase	Design
Next Stakeholder Event	tbc
Project Completion Date	Tbc
Summary of works in last quarter: Project being allocated to ASTI partner. Project passed to Gate 2 for Delivery team to take forward with existing on-site project.	
Summary of works in next quarter: Progress outline design and progress towards next Gate. Review of delivery options with SSENT Delivery to decide if works will be passed to current existing Beauly Delivery team to take forward at present.	
Additional Comments: Project being reviewed for allocation to appropriate contractor and Delivery team due to number of workfronts in the area.	



TORI SHET-RI-009 - East Coast Onshore 275kV Upgrade	Scheme East Coast Onshore 275kV Upgrade
Overview of Works <p>Establish new busbar Substation at Alyth, to be built at 400kV but initially operated at 275kV, with reactive compensation support.</p> <p>Re-profile the existing Kintore-Tealing-Kincardine 275kV circuits and the existing Tealing-Westfield/Glenrothes 275kV circuits for higher temperature operation.</p> <p>Install 275kV Phase shifting transformers on each of the Kintore – Tealing circuits (XT1/XT2) at Tealing Substation.</p>	
Proposed Consent Submission	Complete
Current Project Phase	Execution
Next Project Phase	Operation
Next Stakeholder Event	TBC
Project Completion Date	30/09/2025
Summary of works in last quarter: <p>Installation and erection of PST1 into the bunded area at Tealing.</p>	
Summary of works in next quarter: <p>Delivery of PST2 late October/early November 2024 to Tealing Substation, commence with installation and erection of PST2. Commencement of PST1 noise enclosure works.</p>	
Additional Comments: <p>N/A</p>	



TORI SHET-RI-013 - North Argyll Substation	Scheme North Argyll Reinforcement (Substation and OHL)
Overview of Works Establish a new 275/132kV substation in North Argyll near the existing Inveraray/Taynuilt 132kV line route with two 480 MVA 275/132kV transformers with provision for additional future feeder bays. Establish a new 275kV double circuit OHL between Creag Dhubh (North Argyll) Substation and a tie-in point on existing Dalmally – Windyhill SPEN circuit, near Dalmally.	
Proposed Consent Submission	Creag Dhubh substation consented. Overhead line PLI received positive outcome on 21August 2024.
Current Project Phase	Execution
Next Project Phase	Operation
Next Stakeholder Event	
Project Completion Date	30/11/2027
Summary of works in last quarter: Works to upgrade existing access track and culverts completed on programme. Earthworks have progressed well and the site team now move on to blasting works to allow site-won material to form substation platform.	
Summary of works in next quarter: Blasting works will continue towards late 2024. Continue forming workers' compound area in preparation to land site offices/site stores in main compound area for late 2024. Placement of peat within borrow pit areas in line with project management plan. Commence workers' housing platform adjacent to site access track and junction with A819.	
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 approximately 68km between the 275kV GIS substation at Dounreay on the mainland, and the new 220/132/33kV substation in the vicinity of Finstown on Orkney. The HVAC circuit comprises approximately 15km of land cable and 53km of subsea cable. Voltage Compensation devices will be installed at both cable ends within the compounds at the new Dounreay West and Finstown Substation.	
Proposed Consent Submission	Complete
Current Project Phase	Execution
Next Project Phase	Operations
Next Stakeholder Event	TBC
Project Completion Date	Q2 2028
Summary of works in last quarter: Completed contract negotiations with contractors for both substation and cable packages with contract awarded in August and September 2024. Preparation of the Project Assessment for submission to Ofgem. Construction works have commenced at Dounreay West. CDM Fencing has commenced at Finstown along with stakeholder engagements.	
Summary of works in next quarter: Completion of Project Assessment for submission to Ofgem. Construction works to commence at Finstown Substation. Preparation works for the land cable works to commence.	
Additional Comments:	



TORI SHET-RI-025a - Peterhead-Rothienorman 400kV OHL upgrade	Scheme Peterhead-Rothienorman 400kV OHL upgrade
Overview of Works <p>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).</p> <p>Replacement of the existing earth wire with Optical Path Ground Wire is required between New Deer - Rothienorman.</p>	
Proposed Consent Submission	Consent approved
Current Project Phase	Commissioning
Next Project Phase	Handover to operations
Next Stakeholder Event	N/A
Project Completion Date	31/10/24
Summary of works in last quarter: Removal of remaining towers and close out of snagging/incomplete works.	
Summary of works in next quarter: Close-out of remaining snagging works in preparation for Gate 5.	
Additional Comments: N/A	



TORI SHET-RI-025b - Eastern Subsea HVDC Link (EGL2)	Scheme Eastern Subsea HVDC Link
Overview of Works Install a 2GW HVDC link between Peterhead (SHE-Transmission) and Drax (NGET). This TORI describes the SSENT works. HVDC cables to be routed into the sea, then south towards North East England in NGET's licence area. Two 2GW HVDC converter stations with 525kV XLPE Cable (436km offshore and 70km onshore). Enabling works at Peterhead – 11kV Diversions/DNO, Compound erection for main works and 132kV overhead line diversions.	
Proposed Consent Submission	All material consents approved pending discharge of conditions
Current Project Phase	Refinement
Next Project Phase	Construction
Next Stakeholder Event	26/09/2024 – Groundbreaking event at Peterhead (OFGEM/SSENT in attendance and local stakeholders)
Project Completion Date	31/12/2029
Summary of works in last quarter: Agree baseline programmes with both Lot 1 and Lot 2 contractors in June 2024. Progress Lot 1 and 2 detailed designs in accordance with accepted baseline programmes. OFGEM published its final determination granting all project funding. Complete 11kV OHL Diversion. Progress 132kV OHL and UG Cable Diversion (outages commence early June 2024). Peterhead and Wren Hall full planning approved in August 2024. Pre-starts held for both sites ahead of full start at the end of September 2024. Commenced non-intrusive surveys (including Topo) on southern cable route.	
Summary of works in next quarter: Placed Part B contract for Peterhead 400kV GIS 3-bay extension. Support Local Planning Authority in assessing planning discharge submission review. Start on site at Wren Hall and Peterhead (by 1 October 2024). 132kV OHL outage for undergrounding and clearance of site for Lot 1. Earthworks on Lot 1 to commence in North in November 2024. Wren Hall site works commencing with compound erection, and fill to commence end of 2024. Archaeological Trial Trenching on southern cable route commences. Mobilise onshore cable contractor to site on southern cable route to progress works. <u>Progress Landfall HDD surveys.</u>	
Additional Comments: Compulsory Purchase Order for southern cable route likely to receive approval in Q4 2024. Outage for 132kV works may move to Q2 2025 due to availability of window – earlier outage postponed due to site issue with cable – now rectified.	



TORI SHET-RI-025c - Peterhead 400 kV Busbar	Scheme Peterhead 400 kV Busbar
Overview of Works <p>Construct a new 400kV substation close to the existing 275kV substation at Peterhead. Install two new 1200MVA 400/275kV supergrid Transformers and approximately 500m of 275kV cable between the new 400kV busbar and the existing 275kV busbar. Two new Overhead line towers and installation of 132kV cable from new cable sealing end to existing 275kV substation.</p> <p>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 under a separate project.</p>	
Proposed Consent Submission	Complete
Current Project Phase	Project closure / handover
Next Project Phase	Gate 5 to Operations Q4 2024
Next Stakeholder Event	
Project Completion Date	06/12/2023
Summary of works in last quarter: Completion of all outstanding defects and obtaining all final records, ongoing.	
Summary of works in next quarter: Close-out outstanding defects, programmed to be complete October 2024. Gate 5 and handover to SSEN Operation.	
Additional Comments: N/A	



TORI SHET-RI-025d - North East Reinforcement	Scheme North East Reinforcement
Overview of Works Re-insulate the 275kV double circuit overhead lines between Rothienorman – Blackhillock and Rothienorman - Kintore for 400kV operation. Remove the two line connected 400/275kV, 1200MVA SGTs 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. Install two 400/33kV Super Grid Transformers to connect the Rothienorman Grid Supply Point to the 400kV Rothienorman busbar. Upgrade the Surge Arresters and Capacitive Voltage Transformers on six existing overhead line feeder bays from 275kV to 400kV. Upgrade the Surge Arresters and Capacitive Voltage Transformers on four existing overhead line feeder bays and three cable circuit bays from 275kV to 400kV at New Deer Substation and bring the whole substation to 400kV operating voltage.	
Proposed Consent Submission	Complete
Current Project Phase	Commissioning
Next Project Phase	Handover to Operations
Next Stakeholder Event	N/A
Project Completion Date	31/10/2024
Summary of works in last quarter: Blackhillock: Removal of remaining towers and close-out of snagging/incomplete works. Kintore: Security system will be commissioned and all snags/defects will be closed in preparation for the upcoming Gate 5 handover in September 2024.	
Summary of works in next quarter: Blackhillock: Close-out of snagging works in preparation for Gate 5. Kintore: Close-out of snags and defects ongoing, and security system to be commissioned by end of September 2024. Gate 5 has moved to end of Q 1 2025.	
Additional Comments: N/A	



TORI SHET-RI-026 - Blackhillock 275kV QBs	Scheme Blackhillock 275kV QBs (PSTs)
Overview of Works At Blackhillock, install two 865MVA (continuous rating) 275kV quadrature boosters with bypass on the existing 275kV circuits (AH1/HO2) to Knocknagael, rearranging the circuit terminations as appropriate.	
Proposed Consent Submission	N/A
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	N/A
Project Completion Date	08/05/2028
Summary of works in last quarter: The project encountered challenges at the Gate 2 Design Authority Review (DAR), and was advised to reschedule. This has had an impact on key milestone dates with the project working to update the programme now.	
Summary of works in next quarter: The project will progress through key governance milestones such as the Gate 2 DAR, Project Evaluation Review and Stage Gate 2. Works Information for the PSTs to be issued.	
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.	
Proposed Consent Submission	Switching Station consented. OHL - TBC
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	N/A
Project Completion Date	Q4 2029
Summary of works in last quarter: Reviewed and revised the programme following the expiry of the S37 consent for the OHL based on a resubmission. To support this have engaged a consultant to commence ornithology surveys to support any resubmission. Alongside this, ongoing discussions with the Energy Consents Unit (ECU) on options to maintain existing S37 consent. Continue to liaise with the connecting developers in to Gills Bay to understand progress and help inform the required needs case submission for the project.	
Summary of works in next quarter: Look to commence ornithology surveys required for any consent resubmission. Continue conversations with the ECU around the existing consent. Continue to liaise with the connecting developers in to Gills Bay to understand progress and help inform the required needs case submission for the project.	
Additional Comments: N/A	



TORI SHET-RI-033 - Second 2GW East Coast HVDC Link Peterhead to England	Scheme Second 2GW East Coast HVDC Link Peterhead to England
Overview of Works Install 525kV 2GW HVDC link between the Netherton Hub in Aberdeenshire (SHE-Transmission) to England (southern landing point and AC connection tie-in to be confirmed). Work includes a 2GW converter at either end of the link, with HVDC cables to be routed underground between converter site and landfall, and sub-marine cables between landfall locations. The project will be developed and delivered jointly with National Grid Electricity Transmission (NGET). This TORI describes the SSENT works.	
Proposed Consent Submission	Northern Converter Site - September 2024 (PPiP as part of Netherton Hub); Marine consents - Q1 25
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	PPiP Submission – September 2024
Project Completion Date	31/10/2031
Summary of works in last quarter: Continue preparation of Invitation to Tender (ITT) pack for Work Package 3 Tender clarifications for Work Package 1 and 2. Complete PPiP deliverables for Netherton hub.	
Summary of works in next quarter: Continue preparation of ITT pack for Work Package 3. Work Package 1 and 2 Tender Returns and Analysis. Submission of PPiP for Netherton Hub.	
Additional Comments: N/A	



TORI SHET-RI-034 Inveranan 132kV QB	Scheme Inveranan 132kV QB
Overview of Works Supply and installation of power flow control devices to provide required power flow stability within local area network.	
Proposed Consent Submission	Autumn 2026
Current Project Phase	Development
Next Project Phase	Development
Next Stakeholder Event	TBC
Project Completion Date	31 October 2030
Summary of works in last quarter: Engineering carrying out Technology and site selection report. CAD layouts for all design options to be complete to show due diligence and best option. Senior Review scheduled for 21 August. Ecology reports carried out in local area.	
Summary of works in next quarter: DAR to be carried out. Design review to accommodate the addition of the increased size in control building. Review of additional cost to cover the increased control building. Gate 1 scheduled for November.	
Additional Comments:	



TORI SHET-RI-043 - Lewis Infrastructure	Scheme Lewis Infrastructure
Overview of Works Requirement to construct a switching station at Balallan to accommodate the newly proposed Muaitheabhal and Hestabhal Wind Farm connections. The switching station will comprise seven bays; three of which allow for the existing Harris-Stornoway 132kV circuit to be connected (double circuit north to HVDC site) and two for the wind farm connections. There is an allowance of two spare bays for future development.	
Proposed Consent Submission	Q2 2025
Current Project Phase	Passed Gate 1 in October 2023
Next Project Phase	Gate 2 March 2025
Next Stakeholder Event	TBC
Project Completion Date	30/12/2030
Summary of works in last quarter: GI tenders being evaluated to select a contractor, works to commence late summer/autumn, ornithology studies ongoing to be complete by March 2025.	
Summary of works in next quarter: GI to commence. Transfer project to Offshore Directorate.	
Additional Comments: N/A	



TORI SHET-RI-046 - Taynuilt-North Argyll Rebuild	Scheme Taynuilt-Creag Dhubh Reinforcement
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.	
Proposed Consent Submission	May 2030
Current Project Phase	Gate 0
Next Project Phase	Gate 1 – 28 March 2025
Next Stakeholder Event	TBC
Project Completion Date	31/10/2030
Summary of works in last quarter: Arrange site visit. Determine optioneering and decide on best option to take forward for approval.	
Summary of works in next quarter: Route assessment and alignments. Confirm scope at Taynuilt Substation. Environmental surveys along routes options. Confirm no changes to land ownership.	
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.	
Proposed Consent Submission	n/a
Current Project Phase	Operate and Evaluate
Next Project Phase	Handover (Gate 5) October 2024
Next Stakeholder Event	n/a
Project Completion Date	24/06/2022
Summary of works in last quarter: Completed contract defective works and ongoing collation of handover information (as-builts etc.)	
Summary of works in next quarter: Gate 5 handover to Operations by completing minor snagging works; as-built drawings; operations and maintenance manuals.	
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 <p>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)</p> <p>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.</p> <p>The 600MW HVDC link will have approximately 10km of land cable and 260km of subsea cable between Shetland and the HVDC switching station in Caithness.</p>	
Proposed Consent Submission	July 2020 – Ofgem needs case approval
Current Project Phase	Gate 4 – Kergord Construction Phase Gate 4 – Cables Gate 5 – Noss Head (Energisation 2 June 2023)
Next Project Phase	Gate 5 – Combined Gate 5 (post energisation 5 August 2024) for Noss Head and Kergord in early 2025. Gate 5b, 12 May 2026 (post Island Import Tests Nov 2025) – requirement under this project being discussed.
Next Stakeholder Event	Community Liaison Group Meeting October/November 2024. Newsletter published in July 2024.
Project Completion Date	05/08/2024 (energisation of the link)
Summary of works in last quarter: Multi-terminal HVDC link connection with NESO achieved on 5 August 2024. Successful completion of the Trial Operation period (14 days of uninterrupted continuous operation) on 19 August 2024.	
Summary of works in next quarter: Working towards Gate 5 handover to Operations, including finalisation of minor defect works and as-built documentation. Outages booked in October and December 2024 to undertake the inspection schedule on the HVDC terminations, including visual inspection and gas analysis.	
Additional Comments: N/A	



TORI SHET-RI-058 - Beaully-Loch Buidhe 400kV OHL Reinforcement	Scheme Beaully-Loch Buidhe 400kV OHL Reinforcement
Overview of Works This project is to build a new 400kV double circuit line between Beaully 2 400kV substation and Loch Buidhe 400 kV substation.	
Proposed Consent Submission	November 2024
Current Project Phase	Development (1-2)
Next Project Phase	Delivery/Refinement (2-3)
Next Stakeholder Event	Autumn/Winter 2024
Project Completion Date	August 2030
Summary of works in last quarter Review of public and statutory feedback, following alignment consultation events to finalise alignments. Ongoing surveys and assessments to inform Environmental Impact Assessment (EIA) in preparation for submission of Section 37 notice. Ongoing land discussions with impacted landowners.	
Summary of works in next quarter: Complete Report on Consultation. Commence ground investigation works. Commence EIA assessment. Ongoing land discussions with impacted landowners.	
Additional Comments: Project is to connect to proposed Loch Buidhe (Carnaig) 400kV Substation (TORI-200) and Beaully 2 (Fanellan) 400kV Substation (TORI-194), to be developed in separate projects, with SHET-RI-058 engaging closely to provide optimised solution.	



TORI SHET-RI-058a - Beaully - Loch Buidhe 275kV Reinforcement	Scheme Beaully - Loch Buidhe 275kV Reinforcement
Overview of Works Reprofile the existing 275kV double circuit OHL between Beaully and Loch Buidhe (approximately 67km). The double circuit is to be reprofiled to allow high temperature operation of 90 degrees Celsius to increase the continuous current rating of the circuit.	
Proposed Consent Submission	On Hold
Current Project Phase	Under Review
Next Project Phase	Optioneering
Next Stakeholder Event	N/A
Project Completion Date	31/10/2025
Summary of works in last quarter: Project team has been undertaking a review of the required scope to deliver the works, which have been discovered to be more onerous than initially thought.	
Summary of works in next quarter: Conclude review and agree final required scope.	
Additional Comments: N/A	



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 NGET.	
Proposed Consent Submission	On hold
Current Project Phase	On hold
Next Project Phase	On hold
Next Stakeholder Event	On hold
Project Completion Date	31/10/2033
Summary of works in last quarter: Project is currently on hold.	
Summary of works in next quarter: Project is currently on hold.	
Additional Comments: On Hold	



TORI SHET-RI-061 - Skye Overhead Line Reinforcement	Scheme Skye Overhead Line Reinforcement
Overview of Works Construction of 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).	
Proposed Consent Submission	Submitted September 2022
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	TBC
Project Completion Date	30/11/2028
Summary of works in last quarter: Work has continued on the design phase for substations, OHL and UGC scopes of work. Project enabling works have commenced under Permitted Development rights and are limited to public road improvements, including existing bridge structural improvements and new passing places as agreed with The Highland Council and existing access track maintenance and upgrade.	
Summary of works in next quarter: The project anticipates Section 37 consent will be determined by the Energy Consents Unit/Scottish Ministers in the quarter. Subject to Consent approval, the project will focus on discharging the associated pre-commencement conditions. Work will continue on the project enabling works, public road improvements, and the design works for substations, OHL and UGC packages.	
Additional Comments: N/A	



TORI SHET-RI-065a - Beaully 132kV Substation Redevelopment	Scheme Beaully 132kV Substation Redevelopment
Overview of Works Establish a new 132kV double busbar arrangement at Beaully Substation and transfer of 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. Provision of a third new 360MVA 275/132kV transformer will be undertaken under SHET-RI 065b.	
Proposed Consent Submission	N/A
Current Project Phase	Execution
Next Project Phase	Operation
Next Stakeholder Event	Community Liaison Group meetings are on hold as per request from the local community leaders. Re-engagement will be sought via the project Community Liaison Manager.
Project Completion Date	31 October 2025
Summary of works in last quarter: Gas filling of the new 132kV gas insulated switchgear has progressed well in the reporting period, while wiring and testing works for the associated protection and control infrastructure have been ongoing. Works have commenced in the live 132kV substation, with the start of the first outage on SGT2 circuit, to install a temporary interconnector cable. Civil and landscaping works around the new GIS hall have largely concluded, with minor element of scope remaining. Manufacturing and witnessing of the first 360MVA transformer unit has progressed well and is on track for site delivery dates.	
Summary of works in next quarter: Works in the GIS hall will continue with gas filling as well as installation and commissioning of protection and control panels, telecoms equipment and various building infrastructure. Works in the live site will focus on the second interconnector for SGT4 as well as taking the main outage on SGT6 to allow commencement of civil construction for the new transformer bunds, as well as dismantling and demolition of redundant super grid transformers. Pre-outage works will commence in the field adjacent to the live site, to install a section of high voltage cable, which will replace a section of overhead line.	
Additional Comments: N/A	



TORI SHET-RI-065b - Beauly Third SGT Replacement	Scheme Beauly Third 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 of the circuits from the existing 132kV busbar to the new busbar.	
Proposed Consent Submission	N/A
Current Project Phase	Execution
Next Project Phase	Commissioning
Next Stakeholder Event	Community Liaison Group meetings are on hold as per request from the local community leaders. Re-engagement will be sought via the project Community Liaison Manager.
Project Completion Date	31 March 2026
Summary of works in last quarter: N/A for the last reporting period.	
Summary of works in next quarter: N/A for the next reporting period.	
Additional Comments: N/A	



TORI SHET-RI-068 - Fort Augustus - Invergarry-400/132kV Development	Scheme Fort Augustus -Invergarry-400/132kV Development
Overview of Works <p>Upgrade the existing 132kV double circuit OHL between Fort Augustus and proposed Loch Lundie substation, near Invergarry with a new 400kV OHL. The existing 132kV OHL forms part of the Fort Augustus to Fort William FFE/FFW Circuits.</p> <p>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, and connect contracted Coire Glas and Loch Fearna (Phase 1) HPS schemes.</p> <p>The new 400kV OHL will terminate into the 400kV busbar at Fort Augustus. The 400kV busbar is part of SHET-RI-064 works.</p>	
Proposed Consent Submission	30/03/26
Current Project Phase	Design/Consenting
Next Project Phase	Consenting
Next Stakeholder Event	Q4 2024
Project Completion Date	31 October 2029
Summary of works in last quarter: <p>Continued engagement with landowners. Submission of Stakeholder Engagement Incentive (S) related to S37.</p>	
Summary of works in next quarter: <p>Continued engagement with landowners. Submission of SEI related to basecase S37. Development of EIA to support Loch Lundie substation Town and Country Planning submission.</p>	
Additional Comments: 	



TORI SHET-RI-069 - Kinardochy Reactive Compensation	Scheme Kinardochy Reactive Compensation
Overview of Works Reactive Compensation is required at a new Kinardochy Substation for voltage support on the 275kV Beauldy-Denny overhead line. The Reactive Compensation will require a capability of +325MVar and -225MVar.	
Proposed Consent Submission	Complete
Current Project Phase	Execution
Next Project Phase	Operate
Next Stakeholder Event	TBC
Project Completion Date	11/10/2024
Summary of works in last quarter: The successful completion of high voltage testing marks the conclusion of Stage 1 commissioning for the Gas Insulated Switchgear (GIS) and all other associated equipment on the substation platform, readying the substation for energisation. The project is currently undergoing planned outages for necessary protection modifications at remote ends of substation, and final download connections of OHL are in progress to energise the substation and integrate it with the network.	
Summary of works in next quarter: The energisation of the substation GIS equipment will facilitate 'on-load' testing of the reactive compensation equipment. Successful completion of this testing will result in the substation contributing reactive power to the network for voltage regulation.	
Additional Comments: N/A	



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 132kV 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.	
Proposed Consent Submission	TBC
Current Project Phase	Internal Governance
Next Project Phase	Optioneering
Next Stakeholder Event	
Project Completion Date	30/04/2025
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments: N/A	



TORI SHET-RI-079a - Blackhillock Additional 275/132kV SGTs	Scheme Blackhillock Additional 275/132kV SGTs
Overview of Works Reinforce the transmission network at Blackhillock Substation by installing an additional new 275/132kV Supergrid Transformer and connecting the existing 132kV GIS shared use busbar to the 275kV AIS busbar and all associated protection, control and ancillary equipment. The transformer is to be rated at 360MVA.	
Proposed Consent Submission	N/A
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	N/A
Project Completion Date	16/11/27
Summary of works in last quarter: System studies to be conducted to determine the need case for project. Due to be concluded in Q2/3 2024. Yet to be completed, expected in Q3. Transformer Invitation To Tender (ITT) to market based on output from system study.	
Summary of works in next quarter: ITT will be sent to SGT supplier. Formal contractor engagement to commence initial works required for the project.	
Additional Comments: Project split from SHET-RI-079b. SHET-RI-079 originally consisted of two SGTs and has now been split into delivery of one initially, SHET-RI-079a and another for SHET-RI-079b.	



TORI SHET-RI-079b - Blackhillock Additional 275/132kV SGTs	Scheme Blackhillock Additional SGTs
Overview of Works Reinforce the transmission network at Blackhillock Substation by installing additional new 275/132kV Supergrid Transformer and connect the existing 132kV GIS busbar to the 275kV AIS busbar and all associated protection, control and ancillary equipment. The transformer is to be rated at 360MVA.	
Project Completion Date	31/10/2026
Proposed Consent Submission	N/A
Current Project Phase	Optioneering
Next Project Phase	Development
Next Stakeholder Event	N/A
Summary of works in last quarter: Awaiting System Study conclusion to determine project next steps. Project team resourced and awaiting decision.	
Summary of works in next quarter: Awaiting conclusion of System Study to determine project next steps.	
Additional Comments: Project split from SHET-RI-079a. SHET-RI-079 originally consisted of two SGTs and has now been split into delivery of one initially (SHET-RI-079a) and another later if it is triggered (SHET-RI-079b).	



TORI SHET-RI-086 - Craig Murrail Switching Station	Scheme Craig Murrail 132kV Substation (Radial)
Overview of Works Construction of new 275/33kV GIS (non-SF6) indoor substation. 9 bay 275kV double busbar setup with two 120MVA 275/33kV transformers. Temporary 275kV OHL diversion for construction phase. A new 33kV switchgear room to replace the existing Port Ann GSP. 33kV underground cables from new 33kV switchgear to Port Ann GSP. Decommission and dismantle the existing OHL between the 275kV Tee-off to Port Ann GSP.	
Proposed Consent Submission	Granted
Current Project Phase	Execution
Next Project Phase	Operation
Next Stakeholder Event	18 June 2024
Project Completion Date	31/10/2028
Summary of works in last quarter: Completion of enabling/forestry works upon conclusion of land deals. Mobilisation of contractor to start site set-up/construction works.	
Summary of works in next quarter: Tree felling works ongoing for peat restoration areas (will be completed by the end of the year). All conditions have been discharged and construction work at the substation is planned for November 2024.	
Additional Comments: N/A	



TORI SHET-RI-088 - Loch Buidhe - Dounreay 275kV Reinforcement	Scheme Loch Buidhe - Dounreay 275kV Reinforcement
Overview of Works Increase the operating temperature of the existing 275kV double circuit OHL between Loch Buidhe and Dounreay (approximately 87km). The double circuit is proposed to be operated at 90°C, which will increase the thermal capability of the circuit.	
Proposed Consent Submission	On Hold
Current Project Phase	Under Review
Next Project Phase	Optioneering
Next Stakeholder Event	N/A
Project Completion Date	31/10/2025
Summary of works in last quarter: Project team has been undertaking a review of the required scope to deliver the works, which have been discovered to be more onerous than initially thought.	
Summary of works in next quarter: Conclude review and agree final required scope	
Additional Comments: none	



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 275/132kV SGT and associated HV equipment, to facilitate the connection of generation in the area. SGT2 will be constructed offline to minimise outage periods on Dunmaglass Wind Farm. Outages will be carried out during low wind periods.	
Proposed Consent Submission	No consent required for TORI 089
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	N/A
Project Completion Date	30/08/2026
Summary of works in last quarter: Reviewed previous Design Authority Review (DAR) status and works information. Senior Engineer and DAR review dates booked.	
Summary of works in next quarter: Prepare Project Specific Works Information and Scope of Works across all disciplines to go out to Tender in November for the substation works.	
Additional Comments:	



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.	
Proposed Consent Submission	TBD
Current Project Phase	Optioneering
Next Project Phase	Development
Next Stakeholder Event	N/A
Project Completion Date	01/08/2029
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Project to be included within wider Coupar Angus Cluster. Project team to be assigned and undertake development.	
Additional Comments: N/A	



TORI SHET-RI-093 - East Coast Phase 2 - 400kV Reinforcement	Scheme East Coast Phase 2 - 400kV Reinforcement
Overview of Works <p>Upgrade the existing Blackhillock/Rothienorman/Kintore/Fetteresso /Alyth/Kincardine east coast 275kV circuits to 400kV operation. Establish a new 10 bay 400kV double busbar at Kintore to enable this upgrade.</p> <p>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 SSEN Transmission/SPT Boundary (Boundary 4).</p>	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2026
Summary of works in last quarter: Alyth Works: <p>Contract Award planned for the end of September with contractor. Design phase to enable upgrade of existing substation from 275Kv to 400Kv due to commence in October 2024. 1,500 Electrical as-built drawings from Alyth are already approved and ready to issue to Siemens under new upgrade project with design work expected to be completed before work commences on site in September 2025.</p> Fetteresso Works: <p>The Contractor mobilised to site and initial construction works commenced in Q3 2024. The focus is on civils elements until the end of Q1 2025 where substation plant is to be installed. Detailed design is progressing and enabling site works to progress currently.</p> Kintore Works: <p>GIB installation is progressing well with all available structures installed. GIB pre-assembly has also commenced to the first circuit (XS1). The first of two underground cables to replace the OHL circuits (CDX2) has now been installed, terminated and will be energised in September. The second circuit to be replaced, XH1, is on schedule to be installed and energised in November 2024.</p> OHL:	

Reconductoring continues between Fetteresso, Alyth and Kincardine Substations following commencement of 2024 outages in May. Access and civil works continue to progress well with 95% of tower foundation upgrades now complete.

Summary of works in next quarter:

Alyth

The project will continue with contract award and design phase to start in October 2024. Long lead items have been identified for early procurement before the end of 2024, to ensure availability of parts before site work starts at Alyth in September 2025. Other early works at Blackhillock site include the dismantling of noise enclosures before the end of March 25. This will reduce the amount of work planned at Blackhillock over the summer period ahead of transport to Alyth in September 25.

Fetteresso Works:

The Project will continue with the civils works and installing Structure to be installed in relevant areas. Design will continue to further progress. Transformer bund works are also due to commence.

Kintore

The project will continue with the installation of the GIB in preparation for the GIS which is arriving in November 2024. The second of two OHL circuits (XH1) will also be replaced by an underground cable.

OHL:

Reconductoring will continue between Fetteresso, Alyth and Kincardine Substations until 18 December 2024. Foundation upgrade scope will complete by the end of 2024.

Additional Comments:

Project under review



TORI SHET-RI-106b - Connagill second SGT	Scheme Connagill second SGT
Overview of Works At Connagill Substation, install a second 275/132kV 480MVA supergrid transformer, to enable the connection of wind generation in the local area to the Dounreay – Loch Buidhe 275kV circuit.	
Proposed Consent Submission	N/A
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	N/A
Project Completion Date	31 October 2026
Summary of works in last quarter: Substation Tender issued and currently being evaluated by the Project Team Update Governance documentation.	
Summary of works in next quarter: Appointment of Principal Contractor.	
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 the existing Inveraray to Crossaig double circuit overhead (rebuilt as part of SHET-RI-050), approximately 2.8km away from Inveraray.	
Proposed Consent Submission	Submitted
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	Tbc
Project Completion Date	30 November 2028
Summary of works in last quarter: Complete Initial works detailed design.	
Summary of works in next quarter: Conclude detailed design and commence felling of the overhead line operational corridor.	
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).	
Proposed Consent Submission	N/A
Current Project Phase	N/A
Next Project Phase	N/A
Next Stakeholder Event	N/A
Project Completion Date	TBC
Summary of works in last quarter: On Hold	
Summary of works in next quarter: On Hold	
Additional Comments: N/A	



TORI SHET-RI-115 - Melgarve 400/132kV Substation Additional SGTs	Scheme Melgarve 400/132kV 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.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	01/07/2026
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-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 132kV switching station on Yell, to enable the connection of renewable generation.	
Proposed Consent Submission	TBC
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Q3 2024
Project Completion Date	TBC
Summary of works in last quarter: Continuation of activities	
Summary of works in next quarter:	
Additional Comments: Awaiting outcome of the Shetland Strategy.	



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.	
Proposed Consent Submission	N/A
Current Project Phase	Operate
Next Project Phase	N/A
Next Stakeholder Event	N/A
Project Completion Date	18/11/2022
Summary of works in last quarter: Outstanding defects closed and final records submitted.	
Summary of works in next quarter: Outstanding defects closed and final records submitted.	
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 three ended grid transformer differential protection scheme on GT2 to enable the connection of a second generator at Corriemoillie.	
Proposed Consent Submission	N/A
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	N/A
Project Completion Date	31/10/2025
Summary of works in last quarter: Site set-up has been established and the Civil works are progressing well. Tower structures will be delivered this month.	
Summary of works in next quarter: Civils will be complete and the Circuit Breakers will be delivered.	
Additional Comments: N/A	



TORI SHET-RI-121 - Errochty - Charleston 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.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2028
Summary of works in last quarter: The current scope is being reassessed with alternative options being reviewed.	
Summary of works in next quarter: The current scope is being reassessed. Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments: N/A	



TORI SHET-RI-123 - Shin - Loch Buidhe 132kV Reconductoring	Scheme Shin - Loch Buidhe 132kV Reinforcement
Overview of Works In an update from the initial scope, TORI-123 project is to establish a new 132kV double circuit overhead line between Shin Substation and Loch Buidhe Substation, with a minimum summer pre-fault rating of 348MVA. The existing 132kV overhead line will be dismantled following construction of the new replacement overhead line.	
Proposed Consent Submission	Q4 2025
Current Project Phase	Opportunity Assessment
Next Project Phase	Development
Next Stakeholder Event	TBC (Information Session)
Project Completion Date	31/10/2030
Summary of works in last quarter: Progress development of substation connection arrangement. Route corridor identified.	
Summary of works in next quarter: Identify alignment options. Liaise with statutory and non-statutory stakeholders. Commence ornithology surveys and engineering related surveys.	
Additional Comments: N/A	



TORI SHET-RI-124 - Second Shetland HVDC Link Kergord - Rothienorman	Scheme Second Shetland HVDC Link Kergord - Rothienorman
Overview of Works Construct a second HVDC link with 2GW (was 600MW) capacity between Shetland mainland (Northern Substation Hub) to the Scottish mainland at an HVDC convertor station at Coachford Substation. The link will have approximately 30km of land cable and 450km of subsea cable.	
Proposed Consent Submission	TBC
Current Project Phase	Gate 0
Next Project Phase	Gate 1
Next Stakeholder Event	Early public engagement on Northern Substation Hub taking place Q4 2024
Project Completion Date	TBC
Summary of works in last quarter: Minded to position from NESO confirms need, delivery body and delivery pathway for the project. Project went through Gate 0.	
Summary of works in next quarter: Site selection for Northern Substation Hub. Kick off site selection for Coachford Substation.	
Additional Comments: N/A	



TORI SHET-RI-126 - Kergord - Yell 132kV Second Connection	Scheme Kergord - Yell 132kV Second Connection
Overview of Works On Shetland install a new second 132kV single circuit between Kergord 132kV Substation (established as part of SHET-RI-053) and South Yell Switching Station (constructed as part of SHET-RI-116), to enable the connection of renewable generation.	
Proposed Consent Submission	N/A
Current Project Phase	N/A
Next Project Phase	N/A
Next Stakeholder Event	N/A
Project Completion Date	TBC if second circuit is required
Summary of works in last quarter: Project on hold	
Summary of works in next quarter:	
Additional Comments: Project on hold until confirmation of Shetland Strategy.	



TORI SHET-RI-128 – Caithness to Peterhead HVDC Link	Scheme Caithness to Peterhead HVDC Link
Overview of Works Transmission reinforcement works associated with the construction of a new HVDC link from the new Banniskirk 400kV Substation (delivered under TORI SHET-RI-153) to Longside 400 kV Substation (delivered under SHET-RI-180), a part of the Netherton Hub. The HVDC link is approximately 200 km from Banniskirk Hub to Netherton Hub. The works will be coordinated with the NOA recommendations.	
Proposed Consent Submission	Q3 2024
Current Project Phase	Development (Gate 1 -2)
Next Project Phase	Refinement (Gate 2 - 3)
Next Stakeholder Event	Q3 2024
Project Completion Date	December 2030
Summary of works in last quarter: Progressed land agreements. Progress all cable route surveys. Progressed cable route alignments to 40m for cable trench locations and 100m for other installation method. Progress cable crossing agreements with third party asset owners. Undertook statutory consultation events for marine cable route and landfalls (Q2/3 2024). Undertook information events for refined land cable routes (Q2/3 2024). Progress further design for converters and cable system.	
Summary of works in next quarter: Conclude land agreements. Conclude remaining cable route surveys. Complete additional ground investigations at Netherton Hub. Progress crossing agreements with third party asset owners. Progress cable route land agreements. Submit planning applications for both Netherton and Banniskirk (as part of multi-project strategy). Progress designs for converter stations and cable system.	
Additional Comments:	



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.	
Proposed Consent Submission	Not Applicable
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	TBC
Project Completion Date	01/07/2026. (Subject to revision due to reliance on completion of TORI 089)
Summary of works in last quarter: Issue ITT (Instruction to Tender) to framework contractors.	
Summary of works in next quarter: Receive and assess tenders for competence	
Additional Comments: TORI 089 Farigiag SGT2 replacement is the enabling works for TORI 129 Farigaig SGT1 replacement works.	



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. Construct two new greenfield 275/33 kV GIS substations with one no. 120 MVA GT (each), located near existing 132/33kV An Suidhe and Crarae. Provide connection to the existing wind farms via 33kV cable works. (Operational through existing S/S). The existing 132kV substations will be decommissioned and dismantled, except for the windfarm 33 kV metering circuit breaker connection and associated SCADA system equipment.	
Proposed Consent Submission	Granted
Current Project Phase	Execution
Next Project Phase	Operation
Next Stakeholder Event	03/09/2024
Project Completion Date	31/10/2028
Summary of works in last quarter: All Conditions have been discharged (including WHA) and construction work at the substation is planned to commence from November 2024. Tree felling works in progress at Crarae Peat restoration areas.	
Summary of works in next quarter: Enabling works including tree felling to start at substation sites upon conclusion of land deals. Mobilisation of main contractor to start site set-up/construction works accordingly.	
Additional Comments: N/A	



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. This requires the construction of a new Crossaig North 275/132kV Substation and modifications to the existing Crossaig Substation.	
Proposed Consent Submission	Granted
Current Project Phase	Execution
Next Project Phase	Operation
Next Stakeholder Event	09/09/2024
Project Completion Date	31/10/2028
Summary of works in last quarter: Tree felling works complete. Contractor mobilising to site to establish site set-up in preparation for main earth works May 24.	
Summary of works in next quarter: The contractor mobilised to the site in May, and is progressing with the track installation and peat restoration areas. The first peat cells will be established in mid-September.	
Additional Comments: N/A	



TORI SHET-RI-131 - Brechin 132kV Extension	Scheme Brechin 132kV Extension
Overview of Works Construct two new circuit breakers at Brechin Substation.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2024
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-133 - Loch Buidhe SGT Upgrade	Scheme Loch Buidhe SGT Upgrade
Overview of Works Replacement of existing Loch Buidhe 240MVA 132/275kV SGTs with 480MVA units.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	30/07/2027
Summary of works in last quarter: Project put on hold.	
Summary of works in next quarter: Project put on hold	
Additional Comments: N/A	



TORI SHET-RI-134 – Beaully-Denny Second Circuit upgrade from 275kV to 400kV	Scheme Beaully-Denny Second Circuit upgrade from 275kV to 400kV
Overview of Works Upgrade the existing Beaully/Fasnakyle /Fort Augustus /Tummel-Kinardochy /Braco West /Bonny Bridge 275kV circuit to 400kV, mirroring the ratings of the existing 400kV circuit, along the route.	
Proposed Consent Submission	Q3/Q4 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	N/A
Project Completion Date	31/10/2029
Summary of works in last quarter: Kinardochy Underground Cable (UGC) Work progressed within the Early Contractor Engagement (ECE) phase as the cable route and alignment were being designed. Survey results (including LiDAR) of the cable route were determined and confirmed the cable alignment.	
Fort Augustus Substation Return of Part A tenders for substation and OHL, with commencement of survey and ground investigation works at site, under an extended Early Contractor Engagement (ECE+) phase, in preparation for Part A Refinement design works. Submission and validation of planning application to local authority.	
Cambushinnie (formerly Braco West) 400kV Substation Second PAC consultation event undertaken. Finalisation of the environmental assessments for the substation design with planning submission late Q3/Q4 2024. Return of substation and OHL tenders for Part A works information packages. Ground investigation works to commence Q3/Q4 2024 for the proposed haul road alignment. Finalisation of the flood risk study late Q3/Q4 2024. An information event for the haul road is proposed late Q3/early Q4 2024 on the updated design for the haul road.	
Bingally (formerly Fasnakyle) 400kV Substation Second PAC consultation event undertaken. Finalisation of environmental surveys ahead of planning submission in Q3/Q4. Return tenders from substation and OHL Contractors for Part A Works Information packages.	
Summary of works in next quarter: Kinardochy Underground Cable (UGC)	

Progress will continue with the Early Contractor Engagement (ECE) phase and continue into an ECE+ Phase before Part A Works commence.

A Public Event within the area will be set up to inform the public of the project and other relevant projects in the area.

Fort Augustus Substation

Evaluation of Part A tenders for substation and overhead line works.

Continuation of Part A refinement phase activities including further preconstruction surveys.

Return of SGT tenders from the supply chain.

Cambushinnie (formerly Braco West) 400kV Substation

Further ground investigation surveys for the substation and associated access works to commence and be complete by early Q4 2024.

Haul Road consultation event being held with the residents of Braco in Q4 2024.

Submission of Applications for Section 37 and Town & Country Planning for Substation and OHL works in Q4 2024. Local planning application for haul road due to be submitted in early Q1 2025.

Return of Part A tenders for substation and OHL, with commencement of Part A refinement design works.

Bingally (formerly Fasnakyle) 400/132kV Substation

Further ground investigation surveys for the substation and associated access works to commence and be complete by early Q4 2024.

Submission of Applications for Section 37 and Town & Country Planning for substation and OHL works in Q4 2024.

Return of Part A tenders for substation and OHL, with commencement of Part A refinement design works.

Additional Comments:

N/A



TORI SHET-RI-134b – Fasnakyle Substation 132Kv Reinforcement	Scheme Fasnakyle Substation 132Kv Reinforcement
Overview of Works Fasnakyle Substation – Construct a new 132Kv busbar at a site adjacent to the existing Fasnakyle Substation. Connect the new 132Kv busbar to the new 400/132Kv SGTs (constructed as part of SHET-RI-134) via appropriate switchgear. The new 132Kv busbar should leave sufficient space for future expansion. Install two new 132/33Kv 120MVA GTs and connect them to the existing Fasnakyle GSP, via the appropriate switchgear. Upon completion of the build, decommission and remove the legacy 275Kv equipment and switchgear that is no longer required.	
Proposed Consent Submission	Q3/Q4 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	N/A
Project Completion Date	31/10/2029
Summary of works in last quarter: Second PAC consultation event undertaken. Finalisation of environmental surveys ahead of planning submission in Q3/Q4 2024. Return tenders from substation and OHL Contractors for Part A Works Information packages. Options assessment for 132kv connection back to existing Fasnakyle Substation underway, including site surveys.	
Summary of works in next quarter: Further ground investigation surveys for the substation and associated access works to commence and be complete by early Q4 2024. Submission of Applications for Section 37 and Town & Country Planning for Substation and OHL works. Return of Part A tenders for substation and OHL, with commencement of Part A refinement design works. Confirmation of preferred 132kv connection option and further works on the alignment stage.	
Additional Comments: N/A	



TORI SHET-RI-136 - Blackhillock 400kV Building Extension	Scheme Blackhillock 400kV Building Extension
Overview of Works Extend existing Blackhillock 400kV GIS building to allow space provision for additional bays.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/09/2027
Summary of works in last quarter: Studies ongoing to determine scope and system requirements.	
Summary of works in next quarter: Project to come off hold, scope to be updated and project recommenced.	
Additional Comments: Project to come off hold due to requirement for Blackhillock to Kintore Upgrade (BKUP).	



TORI SHET-RI-137 - Blackhillock-New Deer-Peterhead 400kV OHL	Scheme Blackhillock-New Deer-Peterhead 400kV OHL
Overview of Works Establish a new 400kV double circuit overhead line from Blackhillock to New Deer (60km) and New Deer to Peterhead (22km). In an update from the initial scope, the line is to connect to new 400kV busbars at Blackhillock, New Deer and Peterhead.	
Proposed Consent Submission	30/11/2024
Current Project Phase	Design
Next Project Phase	Consenting
Next Stakeholder Event	Final alignment information events
Project Completion Date	31/10/2030
Summary of works in last quarter: Review of public and statutory feedback, following alignment consultation events to finalise alignments and achieve Design Freeze for surveys. Ongoing surveys and assessment to inform Environmental Impact Assessment (EIA) in preparation for submission of Section 37 notice. Ongoing land discussions with impacted landowners. Commenced initial GI works.	
Summary of works in next quarter: Address outstanding statutory feedback and finalise alignment. Prepare Report on Consultation and complete final alignment public information events to communicate final tower positions with public and stakeholders. Continue GI works. Complete final surveys to inform EIA.	
Additional Comments:	



TORI SHET-RI-138 - New Deer 400kV Busbar Extension	Scheme New Deer 400kV Busbar Extension
Overview of Works Extend 400kV double busbar at the existing New Deer 400kV Substation. Four new GIS Bays and associated GIB to design, procure, install and commission. Additionally, Air Insulated Switchgear (AIS) scope up to cable sealing end for new connections will be added to scope.	
Proposed Consent Submission	N/A
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	N/A
Project Completion Date	Q3/Q4 2026 (current scope of works)
Summary of works in last quarter: Contract negotiations completed for Part A works. Outage for GIS installation booked October – November 2025. Deviation of specifications have been gathered to be submitted for approval. The use of SF6 GIS has been approved due to the physical size of the GIS Hall. Non-SF6 was not possible. New Site Construction Manager has been hired for the project.	
Summary of works in next quarter: Commencing into Part A, which is due to start in October 2024. GIB optioneering exercise to be completed with a three-way interface. The design of GIB to be finalised. Gate 3 Project deliverables will be worked on.	
Additional Comments: Works to be delivered as two separate contracts – GIS Supply and separate installation contractor. There are a number of additional instructions required which link to new substation specifications.	



TORI SHET-RI-139 - 2GW HVDC Link New Deer to England	Scheme 2GW HVDC Link New Deer to England
Overview of Works Install an indoor 2GW HVDC converter station with associated equipment at New Deer Substation. 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 NGET.	
Proposed Consent Submission	N/A
Current Project Phase	initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments: N/A	



TORI SHET-RI-140 - Thurso South 275kV Substation redevelopment	Scheme Thurso South 275kV Substation redevelopment
Overview of Works Redevelop the existing Thurso South 275kV Substation into a new 275kV double busbar arrangement.	
Proposed Consent Submission	N/A
Current Project Phase	N/A
Next Project Phase	N/A
Next Stakeholder Event	N/A
Project Completion Date	01/06/2025
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-142 - Caithness to New Deer 2 - Two 1GW HVDC Links	Scheme Caithness to New Deer 2 - Two 1GW HVDC Links
Overview of Works Construct Two 1GW HVDC links from Spittal to New Deer 2, including converter stations and associated equipment.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2031
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments: N/A	



TORI SHET-RI-143 - Kergord - Gremista GSP 132kV Infrastructure	Scheme Kergord - Gremista GSP 132kV Infrastructure
Overview of Works Construct a new 132kV 24km circuit comprising both overhead wood pole line and underground cable between 132kV feeder bays at Kergord Substation and the new Gremista GSP.	
Proposed Consent Submission	All submitted and granted
Current Project Phase	Execution
Next Project Phase	Operation
Next Stakeholder Event	Various community engagements
Project Completion Date	07/11/2025
Summary of works in last quarter: Overhead line trident pole erection was completed in this period and the building cladding was installed at the Gremista grid supply point.	
Summary of works in next quarter: Continue with the overhead line wiring work. Installation of the underground cable and continue with the fit-out and installation works at the Gremista grid supply point.	
Additional Comments: N/A	



TORI SHET-RI-144 - New Deer 2 400kV Substation	Scheme Greens 400kV Substation (formerly New Deer 2)
Overview of Works Establish a new 400kV substation close to the existing New Deer 400kV Substation and tie in the proposed 400kV circuits from Blackhillock to New Deer and New Deer to Peterhead (SHET-RI-137).	
Proposed Consent Submission	30/09/2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Q1 2024 (PAC1 event)
Project Completion Date	31/10/2029
Summary of works in last quarter: Completion of Development Phase. Handover to Project Delivery. Part A Contract Award.	
Summary of works in next quarter: Submission of Town & Country Planning Application. Commence Part A Contract with Principal Contractor.	
Additional Comments: N/A	



TORI SHET-RI-145 - 2GW HVDC Link New Deer 2 to England	Scheme 2GW HVDC Link New Deer 2 to England
Overview of Works Install an indoor 2GW HVDC converter station with associated equipment at New Deer 2 Substation. 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 NGET.	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments: N/A	



TORI SHET-RI-147 - Tealing 400kV Substation	Scheme Tealing 400kV Substation
Overview of Works Establish a new 400kV substation close to the existing Tealing 275kV Substation.	
Proposed Consent Submission	Q3' 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	June 2024
Project Completion Date	29/06/2029
Summary of works in last quarter: Second PAC consultation event undertaken. Finalisation of environmental surveys ahead of planning submission in Q3. Engagement of contracting partner for Part A Works Information packages.	
Summary of works in next quarter: Further ground investigation surveys for the substation and associated access works to commence Q4 2024 or Q1 2025. Submission of Town & Country Planning for substation. Return of Part A tenders for substation with commencement of Part A refinement design works. Progress and conclude Environmental Impact Assessment in preparation for T&C submission. Secure land agreements.	
Additional Comments: N/A	



TORI SHET-RI-148 - Alyth – Tealing 400kV Re-Insulation	Scheme Alyth – Tealing 400kV Upgrade
Overview of Works Reconductor, reinsulate and any necessary upgrades to the 275kV double circuit overhead line between Alyth and Tealing for 400kV operation.	
Proposed Consent Submission	October 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	June 2024
Project Completion Date	31/10/2031
Summary of works in last quarter: All ground investigation and foundation intrusive surveys complete. Stage 2 Quantitative Risk Assessment (QRA) to follow towards the middle of October to inform next phase of design. EIA and Section 37 submission pushed back to October 2024 due to delays in results and consultant programme. Only one outstanding wayleave to be signed – Landowner is in agreement. Noise survey report received and has highlighted one receptor that requires mitigation, however this can easily be achieved.	
Summary of works in next quarter: Award Part A Detailed design contract.	
Additional Comments: N/A	



TORI SHET-RI-149 - Tealing – Glenrothes Westfield 400kV Rebuild	Scheme Tealing – Glenrothes Westfield 400kV Upgrade
Overview of Works Reconductor, reinsulate and any necessary upgrades to the 275kV double circuit overhead line between Tealing and Glenrothes-Westfield for 400kV operation.	
Proposed Consent Submission	October 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	June 2024
Project Completion Date	31/10/2031
Summary of works in last quarter: All ground investigation and foundation intrusive surveys complete. Stage 2 Quantitative Risk Assessment to follow towards the middle of October to inform next phase of design. EIA and Section 37 submission pushed back to October 2024 due to delays in results and consultant programme. Majority of wayleaves signed – approximately 15 are outstanding. Noise survey report received and has highlighted three receptors that require mitigation.	
Summary of works in next quarter: Award Part A Detailed design contract.	
Additional Comments: N/A	



TORI SHET-RI-150 - Inverguie Tee – Peterhead 132kV Reconductoring	Scheme Inverguie Tee – Peterhead 132kV Reconductoring
Overview of Works Reconductor approximately 5.6km of 132kV OHL between the Inverguie Tee and Peterhead 132kV Substation. The circuit should be reconducted with a conductor capable of a minimum summer pre-fault rating of 226MVA.	
Proposed Consent Submission	Not required
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	Not required
Project Completion Date	7/11/2025
Summary of works in last quarter: Complete detailed design of proposed works.	
Summary of works in next quarter: Progress project through the next governance phase. Progress the detailed design works.	
Additional Comments: Completion date has slipped due to the availability of contractors' staff to progress the upgrade works.	



TORI SHET-RI-151 - Peterhead – St Fergus 132kV Line Works	Scheme Peterhead – St Fergus 132kV Line Works
Overview of Works Overhead line works to bring the 132kV circuit to ground, including any required modifications. Design and installation of one 132kV circuit breaker with three 132kV disconnectors and associated protection and control equipment for each of the two circuits.	
Proposed Consent Submission	N/A
Current Project Phase	initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2029
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-152 - Shetland ANM Scheme	Scheme Shetland ANM Scheme
Overview of Works Active Network Management (ANM) Scheme on Shetland to manage flows across 600MW HVDC link (established under SHET-RI-053) from Kergord 132kV Substation on Shetland to the Scottish mainland at an HVDC convertor station in the vicinity of Noss Head in Caithness.	
Proposed Consent Submission	N/A – equipment will be contained within existing (planned) substations
Current Project Phase	Pre-Gate 0
Next Project Phase	
Next Stakeholder Event	Shetland connections stakeholder events will run starting Q4 2024
Project Completion Date	26/01/2029
Summary of works in last quarter: Power system studies tender returns have been received. Evaluation under way with clarification meetings planned.	
Summary of works in next quarter: Award contract for power system studies, and studies to progress.	
Additional Comments:	



TORI SHET-RI-153 - Spittal 2 400kV Substation	Scheme Spittal 2 400kV Substation
Overview of Works Construct a new 400kV substation 'Spittal 2' close to the existing Spittal 275 kV Substation in Caithness.	
Proposed Consent Submission	October 2024
Current Project Phase	Development (Gate 1-2)
Next Project Phase	Delivery/Refinement (Gate 2-3)
Next Stakeholder Event	No further planned
Project Completion Date	31/10/2028
Summary of works in last quarter: Secure land agreements. Conclude EIA.	
Summary of works in next quarter: Submit planning. Progress detailed design.	
Additional Comments: N/A	



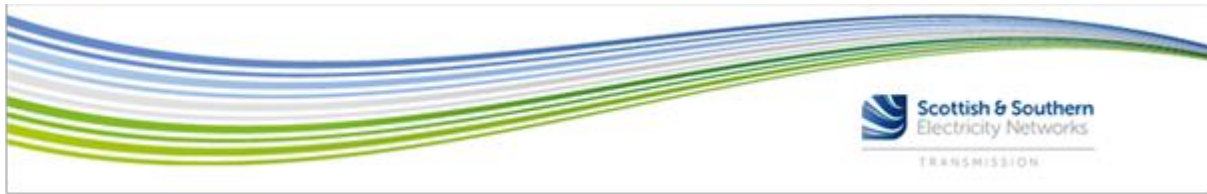
TORI SHET-RI-155 - Peterhead - Persley Tee 275kV Works	Scheme Peterhead - Persley Tee 275kV Works
Overview of Works Overhead line works to bring the VP 275kV overhead line circuit to ground, including any required tower modifications. Design and installation of one 275kV bus bar including a circuit breaker with four 275kV disconnectors and associated protection and control equipment. Following impact from ASTI and need to reinforce the north-east coast of Scotland to enable future Scotwind and generation connection, there is a need to upgrade Peterhead – Kintore circuit from 275kV to 400kV. Peterhead – Persley 275kV OHL falls within this circuit and now needs to be built to 400kV rating.	
Proposed Consent Submission	Q4 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	TBC
Project Completion Date	TBC
Summary of works in last quarter: Submission of Section 37 application for Overhead line. Engage ground investigation contractor for Overhead line tower foundations. Further optioneering on impact of 400kV upgrade on the line.	
Summary of works in next quarter: Optioneering on impact of 400kV upgrade on the project.	
Additional Comments: N/A	



TORI SHET-RI-157 - Alcemi Score 2 Substation 400kV Switchgear	Scheme Alcemi Score 2 Substation 400kV Switchgear
Overview of Works Overhead line works to bring the 400kV circuit to ground, including any required modifications. Design and installation of one 400kV circuit breaker with three 400kV disconnectors and associated protection and control equipment for the circuit.	
Proposed Consent Submission	TBC
Current Project Phase	Opportunity Assessment
Next Project Phase	Development
Next Stakeholder Event	TBC
Project Completion Date	TBC
Summary of works in last quarter: Continued engagement with Customer.	
Summary of works in next quarter: Continued engagement with Customer	
Additional Comments: Due to ASTI impact and updated Single line diagram (SLD) from System Planning & Investment, which recommended that existing New Deer – Peterhead 400kV OHL (VND1/VND2) be diverted into the second 400kV substation that is to be constructed at Peterhead, the customer will be unable to make a Tee connection to VND1/VND2, as this circuit will physically not be in existence once the second 400kV substation is completed and energised in 2030. Option assessment has been completed and alternative options presented to the developer for consideration.	



TORI SHET-RI-158 - Twin Carradale - Kilmarnock South subsea cable	Scheme Twin Carradale - Kilmarnock South subsea cable
Overview of Works Establish a new 132kV double busbar substation at the existing Carradale Substation in Kintyre and install a subsea link between Carradale and Kilmarnock South (SPT). This will comprise two 240MVA land/subsea cable circuits, connecting two 240MVA 132/220kV transformers with reactive compensation equipment at Carradale, and 240MVA 220/400kV transformers with reactive compensation equipment at Kilmarnock South. SPT will be responsible for the infrastructure and connection of the subsea cables at Kilmarnock South.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-159 - Creag Dhubh Network Management Scheme	Scheme Creag Dhubh Network Management Scheme
Overview of Works Between Creag Dhubh, Dalmally, Inverarnan and Windyhill 275kV Substations install an intertrip scheme which will monitor the Dalmally – Creag Dhubh – Inverarnan – Windyhill 275kV double circuit tower line. Following various dual outage scenarios (N'-1 and N-2), an intertrip signal will be sent to applicable users to reduce export/import to OMW.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2030
Summary of works in last quarter: Ongoing preparation of System Requirements Document	
Summary of works in next quarter: Ongoing preparation of System Requirements Document	
Additional Comments:	



TORI SHET-RI-165 - Alcemi Substation 400kV Switchgear	Scheme Alcemi Substation 400kV Switchgear
Overview of Works Overhead line works to bring the 400kV circuit to ground, including any required modifications. Design and installation of one 400kV circuit breaker with three 400kV disconnectors and associated protection and control equipment for the circuit.	
Proposed Consent Submission	TBC
Current Project Phase	Opportunity Assessment
Next Project Phase	Development
Next Stakeholder Event	TBC
Project Completion Date	TBC
Summary of works in last quarter: Continued engagement with customer.	
Summary of works in next quarter:	
Additional Comments: Due to ASTI impact and updated SLD from System Planning & Investment, which recommended that existing New Deer – Peterhead 400kV OHL (VND1/VND2) be diverted into the second 400kV substation that is to be constructed at Peterhead, the customer will be unable to make a Tee connection to VND1/VND2 as this circuit will physically not be in existence once the second 400kV substation is completed and energise in 2030. Option assessment has been completed and alternative options presented to the developer for consideration.	



TORI SHET-RI-166 - Tealing – Arbroath 132kV Line Works	Scheme Tealing – Arbroath 132kV Line Works
Overview of Works Overhead line works to bring the 132kV circuit to ground, including any required modifications. Design and installation of one 132kV circuit breaker with two 132kV disconnectors and associated protection and control equipment.	
Proposed Consent Submission	November 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	TBC
Project Completion Date	31/10/2027
Summary of works in last quarter: Revision to scope and responsibilities between contractor and developer. Substation layout revised. EA screening completed and ready to be submitted.	
Summary of works in next quarter: Gate 2 Governance activities. Submit SC37 for OHL. Commence tender process for GI and Part-A works with contractor.	
Additional Comments: N/A	



TORI SHET-RI-170 – Third SGT at Keith 275/132kV	Scheme Third SGT at Keith 275/132kV
Overview of Works Install a new 480MVA 275/132/33kV SGT at Keith 132kV Substation and approximately 2.5km of cable between the new SGT and Blackhillock 275kV Substation.	
Project Completion Date	31/10/2026
Proposed Consent Submission	N/A
Current Project Phase	N/A
Next Project Phase	N/A
Next Stakeholder Event	N/A
Summary of works in last quarter: Ongoing assessment and update expected in next quarter.	
Summary of works in next quarter: Ongoing assessment with internal workshops planned.	
Additional Comments: N/A	



TORI SHET-RI-171 - OHL Cloiche / Dell to Melgarve	Scheme OHL Cloiche / Dell to Melgarve
Overview of Works New double circuit 132kV overhead line to facilitate connection of Cloiche Wind Farm and Dell Wind Farm to the existing Melgarve Substation.	
Project Completion Date	30/07/2027
Proposed Consent Submission	30/03/2024
Current Project Phase	Design
Next Project Phase	Refinement
Next Stakeholder Event	N/A
Summary of works in last quarter: Continuing to engage with design contractors and submit S37 consent application.	
Summary of works in next quarter: Project passed through Gate 2. Works information being finalised to appoint contractor for Part A design.	
Additional Comments:	



TORI SHET-RI-173 - Golticlay 132/33kV Collector Substation	Scheme Golticlay 132/33kV Collector Substation
Overview of Works Establishment of a 132kV double busbar complete with two bus couplers, one bus section, and four feeder bays to connect to the line between Golticlay 132/33kV Collector substation and 132kV circuits between Loch Buidhe to Spittal; and two feeder bays to connect two 90MVA 132/33kV transformers. Installation of two 90MVA 132/33kV transformers complete with high voltage switchgears. The works also include construction of approximately two 3.5km 132kV double circuits overhead line between Golticlay 132/33kV Collector Substation and 132kV Loch Buidhe to Spittal circuits.	
Proposed Consent Submission	TBC
Current Project Phase	Internal Governance
Next Project Phase	Development
Next Stakeholder Event	TBC
Project Completion Date	30/10/2027
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments: N/A	



TORI SHET-RI-174 -Upgrade of Keith SGTs	Scheme Upgrade of Keith SGTs
Overview of Works Replace the existing 132/275kV 240MVA SGTs at Keith 132kV Substation with larger 480/360MVA units.	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2028
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments: N/A	



TORI SHET-RI-176 - Pauls Hill/Glenfarclas Circuit Turn In	Scheme Pauls Hill/Glenfarclas Circuit Turn In
Overview of Works Move the existing open point from Keith 132kV Substation to Pauls Hill Substation and then turn in the Pauls-Hill/Glenfarclas circuit to Blackhillock 132kV Substation. This includes the Tee connection onto the FK circuit to facilitate the connection of both Craig Watch and Littlewood wind farms.	
Proposed Consent Submission	October 2024 (will follow new connection date)
Current Project Phase	Opportunity
Next Project Phase	Development
Next Stakeholder Event	TBC
Project Completion Date	30/06/2027 (will be pushed back to 2028)
Summary of works in last quarter: Design development of the updated scope, following re-issue of the SRD.	
Summary of works in next quarter:	
Additional Comments:	



TORI SHET-RI-177 - Tomatin Additional SGTs	Scheme Tomatin Additional SGTs
Overview of Works Install a new 275kV indoor double busbar and two additional 275/132kV Super Grid Transformers at the Tomatin 275/132kV Substation.	
Proposed Consent Submission	April 25
Current Project Phase	Opportunity
Next Project Phase	Development
Next Stakeholder Event	Early November TBC
Project Completion Date	31/10/2028
Summary of works in last quarter: Passed through internal Gate 1. Preparation for public event.	
Summary of works in next quarter: Hold public event, future optioneering, and begin GI.	
Additional Comments: 	



TORI SHET-RI-178-275kV Switchgear on Blackhillock to Kintore Circuit	Scheme SHET-RI-178 - 275kV Switchgear on Blackhillock to Kintore Circuit
Overview of Works Creation of a new Tee off compound containing three disconnectors and a circuit breaker on the Blackhillock to Kintore 275kV OHL.	
Proposed Consent Submission	2029
Current Project Phase	Opportunity
Next Project Phase	Development
Next Stakeholder Event	TBC
Project Completion Date	31/10/2032
Summary of works in last quarter: Scope of project is to provide connection for Keith Solar to 275kV Blackhillock to Kintore OHL. The NESO's Beyond 2030 Plan confirmed this line shall be upgraded to 400kV and is no longer suitable for direct connection. Scope of work and new connection date will reflect changes and fulfils NESO's strategy.	
Summary of works in next quarter:	
Additional Comments: Project is terminated.	



TORI SHET-RI-179 - Construction of a new Peterhead 132kV Substation	Scheme Construction of a new Peterhead 132kV Substation
Overview of Works Construct a second 132kV substation at Peterhead	
Proposed Consent Submission	Q3 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Q1 2024
Project Completion Date	31/07/2028
Summary of works in last quarter: Environment Impact Assessments. Substation design by ECE contractor. Planning in Principle submissions.	
Summary of works in next quarter: Planning in principle submissions. Further designs in refinement stage.	
Additional Comments: Community Liaison Group (CLG) to be set up for the Peterhead 2030 development works.	



TORI SHET-RI-180 - Second 400kV Peterhead Substation	Scheme Second 400kV Peterhead Substation
Overview of Works Construct a second 400kV Substation at Peterhead.	
Proposed Consent Submission	Q3 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Q3/Q4 (OHL), Q1 2024 (Substation)
Project Completion Date	31/07/2028
Summary of works in last quarter: Environment Impact Assessments. Substation design by ECE contractor. Planning in Principle submissions.	
Summary of works in next quarter: Planning in principle submissions. Further designs in refinement stage.	
Additional Comments: Community Liaison Group (CLG) to be set up for the Peterhead 2030 development works.	



TORI SHET-RI-182 - Loch Buidhe to Spittal 2 400kV Reinforcement	Scheme Loch Buidhe to Spittal 2 400kV Reinforcement
Overview of Works Construction of a new 400kV double circuit OHL between Loch Buidhe and Spittal.	
Proposed Consent Submission	November 2024
Current Project Phase	Development (1-2)
Next Project Phase	Delivery/Refinement (2-3)
Next Stakeholder Event	Autumn/Winter 2024
Project Completion Date	August 2030
Summary of works in last quarter: Review of public and statutory feedback, following alignment consultation events to finalise alignments. Ongoing surveys and assessments to inform Environmental Impact Assessment (EIA) in preparation for submission of Section 37 notice. Ongoing land discussions with impacted landowners. Ground investigation commenced.	
Summary of works in next quarter: Complete Report on Consultation. Ground investigation works ongoing. Commence EIA assessment. Ongoing land discussions with impacted landowners.	
Additional Comments: Project is to connect to proposed Loch Buidhe (Carnaig) 400kV Substation (TORI200) and Spittal 2 (Banniskirk) 400kV Substation (TORI-153), to be developed in separate projects, with SHET-RI-182 engaging closely to provide optimised solution.	



TORI SHET-RI-183 - SHET-RI-183-New 132kV Dundee Substation	Scheme SHET-RI-183-New 132kV Dundee Substation
Overview of Works Construction of a new 132kV double busbar substation in Dundee, to replace Dudhope GSP. This busbar will be fed by turning in the current Dudhope/Milton of Craigie 132kV circuits.	
Proposed Consent Submission	November 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	August 2024
Project Completion Date	29/10/2027
Summary of works in last quarter: Held PAC2 event. Engaged GI contractor. Completed environmental studies ahead of EA submission.	
Summary of works in next quarter: Submit planning application for consent. Engage Demolition contractor. Complete initial GI works. Gate 2 Governance activities.	
Additional Comments:	



TORI SHET-RI-184-Coupar Angus Two Tee V2	Scheme Coupar Angus Two Tee V2
Overview of Works Establish two new 132kV Tee points of the HCS/HCN circuits between Coupar Angus GSP and Tealing/Charleston Tee for the connection to a new Coupar Angus 2 132/33kV GSP substation.	
Proposed Consent Submission	30/09/2025
Current Project Phase	Optioneering
Next Project Phase	Development
Next Stakeholder Event	TBD
Project Completion Date	31/08/2029
Summary of works in last quarter: Site selection to progress.	
Summary of works in next quarter: Site selection process ongoing.	
Additional Comments: Another project is in close proximity to the site. Reviewing scope to facilitate both connections in one S/S.	



TORI SHET-RI-185- Kintore - Tealing 400kV OHL	Scheme TKUP - Kintore - Tealing 400kV OHL
Overview of Works Establish a new 400 kV double circuit overhead line between Kintore 400 kV Substation and Tealing 400 kV Substation.	
Proposed Consent Submission	Q1' 2025
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	September/October 2024
Project Completion Date	31/10/2030
Summary of works in last quarter: Alignment consultation. Conclude selection of preferred alignment. Undertake Ground Investigation surveys. Progress through Scoping Stage of consenting process and undertake EIA assessment.	
Summary of works in next quarter: Finalise Alignment incorporating feedback from public and statutory consultation events and hold final consultation events to communicate this update to stakeholders. Progress Environmental Impact Assessment in preparation for submission of Section 37 notice. Commence land negotiations with impacted landowners.	
Additional Comments:	



TORI SHET-RI-187 – St Fergus 132kV Substation	Scheme St Fergus 132kV Substation
Overview of Works Establish a new 132kV St Fergus double busbar substation at the site of the existing St Fergus 132kV Switching Station. Split the double busbars and establish an open point between them.	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Site Selection has been undertaken and four sites confirmed for progression.	
Summary of works in next quarter: Further site selection, engineering studies, land referencing and environmental reports.	
Additional Comments:	



TORI SHET-RI-188-St Fergus to New Deer 2 132kV Reinforcement	Scheme St Fergus to New Deer 2 132kV Reinforcement
Overview of Works New Deer 2 400kV substation Establish a new 132kV busbar at New Deer 2 Substation and install two 240MVA 400/132kV transformers. Construct a new 132kV double circuit overhead line from New Deer 2 to St Fergus Substation (Approximately 26 km). St Fergus substation (SHET-RI-187) Install two new 132kV bay at St Fergus 132kV Substation.	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Following system studies, this project has been deemed unrequired at this time. This may change in the future.	
Summary of works in next quarter:	
Additional Comments:	



TORI SHET-RI-189 - Strichen-Fraserburgh to St Fergus 132kV OHL Reconductoring	Scheme Strichen-Fraserburgh to St Fergus 132kV OHL Reconductoring
Overview of Works Upgrade a section of the existing Strichen/Fraserburgh to St Fergus Switching Station 132kV SF1/SF2 OHL.	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2027
Summary of works in last quarter: This project is on hold.	
Summary of works in next quarter: This project is on hold.	
Additional Comments: Pause on development activity on this project following the need to review overall project load driver need in the area.	



TORI SHET-RI-191 - Strathy Switching Collector Station Connagill-Strathy double circuit OHL	Scheme Strathy Switching Collector Station Connagill-Strathy double circuit OHL
Overview of Works Install a new 132kV double circuit between the new 132kV switching collector station and Strathy Wood Wind Farm Substation to enable the connection of renewable generation (Phase 1). Install a new 275kV double circuit (initially energised at 132kV) between Connagill 275/132kV Substation and a new 132kV switching collector station located near Strathy North Wind Farm Substation (Phase 2). Install a new 132kV switching collector station near Strathy and turn in the new double circuit (Phase 3)	
Proposed Consent Submission	September 2024 (phase 1)
Current Project Phase	Opportunity Assessment/Development
Next Project Phase	Refinement
Next Stakeholder Event	N/A
Project Completion Date	31/07/2029
Summary of works in last quarter: Continue EIA assessment and consent application preparation. Draft Ofgem submission.	
Summary of works in next quarter: Complete EIA and required surveys. Engagement of contracting partner for Part A works. Planning application submission.	
Additional Comments: N/A	



TORI SHET-RI-193 - Western Isles 1.8GW HVDC Link	Scheme Western Isles 1.8GW HVDC Link
Overview of Works Establish a 1.8GW HVDC link with associated equipment and converter stations between the Western Isles (on Lewis) and the 400kV Beaulieu 2 GIS Switching Station (established under SHET-RI-194). The HVDC infrastructure will interface with a new 400kV double busbar substation on Lewis and the 400kV double busbar substation at Beaulieu. The infrastructure on Lewis also includes a new 132kV double busbar and installation of three 360MVA 400/132kV Super Grid Transformers to accommodate onshore and offshore generation from Western Isles.	
Proposed Consent Submission	February 2025
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Lewis converter and AC substation Pre Application Consultation 2 event (PAC2) November 2024
Project Completion Date	April 2031
Summary of works in last quarter: Commenced GI Works on Lewis for new converter station/substation site. Completed mainland cable GI works. Negotiations continued for securing the land for new converter and substation site on Lewis. Awarded Framework and ECI contracts for civils (Lots 1, 2 and 3) Awarded Framework and ECI contract for cables OEM Continued with EIA scope on Lewis for new preferred site. Issued PAN to local planning authority on Lewis and held initial consultation event (PAC1).	
Summary of works in next quarter: Finalise securing the land for new converter and substation site on Lewis. Hold second consultation event for new converter and substation site on Lewis (PAC2). Complete GI Works on Lewis for new converter station/substation site. Complete EIA scope on Lewis for converter station/substation site. Finalise alignment of mainland cable route. Progress crossing agreements with third party asset owners. Progress cable route land agreements. Progress designs for converter stations and cable system. Progress application for amendment to Marine Licence for offshore cable.	
Additional Comments: n/a	



TORI SHET-RI-194 - Beauly 2 400kV Switching Station	Scheme Beauly 2 400kV Switching Station
Overview of Works A new 400kv substation, close to the existing Beauly Substation.	
Proposed Consent Submission	Autumn 2024
Current Project Phase	Design
Next Project Phase	Planning Application submission and Design
Next Stakeholder Event	10 October 2024
Project Completion Date	2030
Summary of works in last quarter: Continue design refinement to secure voluntary negotiations. Complete EIA drafting and required surveys. Engagement of contracting partner for Part A works. Investigation into design options for Black Bridge required works bridge replacement. The Highland Council (THC) engagement on Black Bridge design requirements.	
Summary of works in next quarter: Continue design refinement to secure voluntary negotiations. Submission and negotiation on permanent and temporary land take requirements with landowner. Progression of THC engagement for Black Bridge replacement requirements. Local residents' drop-in session being arranged ahead of planning submission.	
Additional Comments: Public contacts regarding works is increasing during periods of site activity. Site walkovers and investigation works are being communicated to residents to reduce complaints about work progressing without consent.	



TORI SHET-RI-195 - Skye HVDC Link	Scheme Skye HVDC Link
Overview of Works Establish a 400MW HVDC link with associated equipment and converter stations between Skye (East Coast of Skye, location to be determined) and the 400kV double busbar at Beaulieu (established under SHET-RI-194). The HVDC cable is to be approximately 100km. A 25km double circuit 132kV OHL will be constructed from Edinbane Collector substation to a new Skye HVDC Converter station located on the East coast of Skye. The HVDC infrastructure will interface with the 132kV double busbar at Edinbane and the 400kV double busbar at Beaulieu.	
Proposed Consent Submission	TBC
Current Project Phase	Pre Gate 0
Next Project Phase	Gate 0
Next Stakeholder Event	TBC
Project Completion Date	30/04/2034
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments: 	



TORI SHET-RI-196 - Whitehouse Substation 275kV Switchgear	Scheme Whitehouse Substation 275kV Switchgear
Overview of Works Construct a new 275kV line circuit breaker bay on the 275kV Craig Murrail - Crossaig West circuit at the future Whitehouse 275kV Substation.	
Proposed Consent Submission	January / February 2029
Current Project Phase	Gate 0
Next Project Phase	Gate 1 – April 2028
Next Stakeholder Event	TBC
Project Completion Date	31/10/2034
Summary of works in last quarter: Project awaiting allocation to development PM resource and identification of required project team.	
Summary of works in next quarter: Project will be assigned to a project team	
Additional Comments:	



TORI	Scheme
SHET-RI-197 - Kintyre to North Wales HVDC Link	Kintyre to North Wales HVDC Link
Overview of Works Construction of a new AC/DC converter station, with the AC end connected to the Creag Dhubh 275kV double busbar substation. The DC circuit is to be a bi-pole, solid return design, routed through the sea towards North Wales (landing point to be confirmed).	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2034
Summary of works in last quarter: On Hold.	
Summary of works in next quarter: On Hold.	
Additional Comments: 	



TORI SHET-RI-198 - Beinn Glass Tee 132kV Switching Station	Scheme Beinn Glass Tee 132kV Switching Station
Overview of Works Construct a new 132kV switching station at the site where the Beinn Glass 132kV circuit Tees into the Taynuilt to Creag Dhubh 132kV tower line. At the new switching station, install a new 132kV line circuit breaker and associated disconnectors, protection panels, battery systems etc.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2035
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: On hold	
Additional Comments: 	



TORI SHET-RI-199 - Blackhillock 2 400kV Substation	Scheme Coachford 400kV Substation (formerly Blackhillock 2)
Overview of Works Establish a new 400kV substation close to Blackhillock 400kV Substation and tie in the proposed 400kV circuits as part of the NOA BBNC/BPNC upgrade.	
Proposed Consent Submission	29/11/2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	May 2024 (PAC2 Event)
Project Completion Date	31/10/2028
Summary of works in last quarter: Project progressed through Gate 2. The project achieved a 'Green' rating at the Project Assurance Review. Part A Works Information issued. ECE+ deliverables agreed with contractor.	
Summary of works in next quarter: Part A Contract award. Town and Country Planning submission to be submitted. Completion of ECE+ contract.	
Additional Comments: N/A	



TORI SHET-RI-200 - Loch Buidhe 400kV Substation	Scheme Loch Buidhe 400kV (Carnaig Substation)
Overview of Works This project is looking to establish a new 400kV substation adjacent to the existing 275kV Loch Buidhe Substation.	
Proposed Consent Submission	October 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	No further planned
Project Completion Date	31/07/2029
Summary of works in last quarter: Conclude EIA. Ongoing land discussions with impacted landowners.	
Summary of works in next quarter: Submit planning. Secure land agreements. Progress detailed design.	
Additional Comments: N/A	



TORI SHET-RI-201 - Foyers Substation Extension and Connection to Loch Kemp	Scheme Foyers Substation Extension and Connection to Loch Kemp
Overview of Works <p>Extend the existing Foyers 275kV busbar to include a new 275kV bay to connect the new circuit from the Loch Kemp Pumped Storage 275/18kV substation.</p> <p>Construct a 275kV busbar with three bays at the Loch Kemp 275kV/18kV substation.</p> <p>The Loch Kemp Pumped Storage 275/18kV substation will be connected to the existing Foyers 275kV substation by approximately 7.5km of single circuit 275kV underground cable.</p>	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2030
Summary of works in last quarter: Now in Contract for Part A design.	
Summary of works in next quarter: Undertake ground investigations to refine design.	
Additional Comments:	



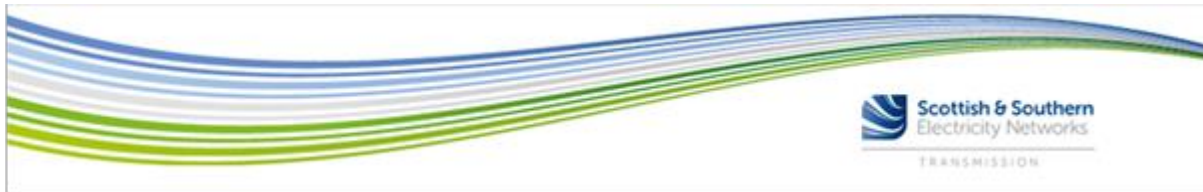
TORI SHET-RI-202 – East Coast Onshore 400kV Substation	Scheme Fiddes 400kV Substation
Overview of Works Establish a new 400kV substation close to the existing Fiddes 132kV Substation.	
Proposed Consent Submission	Q3/Q4 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	June 2024
Project Completion Date	31/10/2031
Summary of works in last quarter: <ul style="list-style-type: none"> • Second PAC consultation event undertaken. • Finalisation of environmental surveys ahead of planning submission in Q3/Q4 2024. • Engagement of contracting partner for Part A Works Information packages. 	
Summary of works in next quarter: <ul style="list-style-type: none"> • Further ground investigation surveys for the substation and associated access works to commence Q4 2024 or Q1 2025. • Submission of Town & Country (T&C) Planning for substation. • Return of Part A tenders for substation with commencement of Part A refinement design works. • Progress and conclude Environmental Impact Assessment in preparation for T&C submission. • Secure land agreements 	
Additional Comments: Local stakeholders are keen to understand the full extent of renewable developments being proposed in their local area. A supplementary handout has been produced and is available via project website: Hurlie 400kV substation - SSEN Transmission (ssen-transmission.co.uk)	



TORI SHET-RI-203 - Fetteresso 132kV Busbar Works	Scheme Fetteresso 132kV Busbar Works
Overview of Works	
Add a bus section to the Fetteresso 132kV busbar.	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	30/06/2029
Summary of works in last quarter: Continuation of project development looking to finalise and agree scope for T3 submission. Once the scope has been agreed, initial funding will be put in place and programme re-baselined. Engineering team established for developing design. Surveys contract awarded and land talks underway as we work towards EIA submission. Land talks underway with Forestry Land Scotland (FLS).	
Summary of works in next quarter: Develop substation design, carry out EIA/EA surveys and assessments and work towards Gate 1 governance.	
Additional Comments:	



TORI SHET-RI-205 - New East Coast 275kV Substation	Scheme New East Coast 275kV Substation
<p>Overview of Works</p> <p>Decommissioning of the existing Fiddes 132/33kV Substation, including all buildings, bunds, plinths, GTs and 132 kV Quad Booster. Switchgear, GTs and Quad Booster should obtain asset condition reports to determine if they should be placed into spares. All buildings, plinths and bunds should be broken down to below ground level and made available to others for use.</p> <p>Decommissioning of the existing 132kV single circuit overhead line between Craigiebuckler/Tarland/Fiddes Tee Point and Brechin Substation (CF-FB circuits).</p> <p>Construction of a new 275kV double busbar at Brechin with a single bus section, two bus couplers and a minimum of six feeder bays to turn-in/out XT1/XT2 between Kintore and Tealing and interconnect Brechin 275/132kV Substations. The site should have space provision to house the SGTs and ancillary equipment and potential four future feeder bays.</p> <p>Construction of two 275/132kV 240 MVA SGTs at Brechin 275kV Substation including two 275 kV circuit breakers, two 275kV line isolators, two 132kV circuit breakers and two 132kV line isolators to interconnect Brechin 275kV and 132kV substations.</p> <p>Construction of two 132kV circuit breakers and four 132kV line isolators at Brechin 132kV substation to interconnect Brechin 275kV and 132kV substations.</p> <p>Construction of approximately 4.5 km of 132kV double-circuit overhead line between Brechin 275 kV substation and Brechin 132 kV substation</p>	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	30/06/2032
<p>Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.</p>	
<p>Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.</p>	
Additional Comments:	



TORI	Scheme
SHET-RI-206 - Shared Fyrish 132kV Connection	Shared Fyrish 132kV Connection
Overview of Works Install a new 132kV single circuit between a Tee point for both Creachan and Ceislein Wind Farm and Fyrish 275/132kV Substation to enable the connection of renewable generation.	
Proposed Consent Submission	TBC
Current Project Phase	Opportunity Assessment
Next Project Phase	Development
Next Stakeholder Event	TBC
Project Completion Date	31/10/2030
Summary of works in last quarter: Continuation high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation high-level project development, along with initial internal governance activities. Undertake this alongside existing Development projects in the Fyrish area to ensure a holistic approach is taken.	
Additional Comments:	



TORI SHET-RI-210 Corriemoillie 2T0	Scheme Corriemoillie 2T0
Overview of Works Construction of a new 33kV feeder bay and 33kV single busbar from GT2 at Corriemoillie Substation, including reconfiguration of the existing 33kV feeder connection and modification of the protection to accommodate Loch Luichart Extension II Wind Farm.	
Proposed Consent Submission	TBC
Current Project Phase	Refinement
Next Project Phase	Delivery Execution
Next Stakeholder Event	TBC
Project Completion Date	31/10/2024
Summary of works in last quarter: Site set-up has been established and the Civil Works are well underway with the Construction of all bases in place, tower structures will be delivered this week.	
Summary of works in next quarter: Civil works will be complete and the Circuit Breakers delivered to site.	
Additional Comments:	



TORI SHET-RI-213 - Car Duibh 275kV Substation and OHL Works	Scheme Car Duibh 275kV Substation and OHL Works
Overview of Works Construction of the new Car Duibh 275kV Substation and a 275kV 5km double circuit tower line, connecting into the proposed Creag Dhubh - An Suidhe - Craig Murrail 275kV double circuit tower line in a turn in arrangement. This construction arrangement will turn this into a Creag Dhubh - Car Duibh - An Suidhe - Craig Murrail 275kV circuit.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2034
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-221 - Macduff to Blackhillock 132kV Works	Scheme Macduff to Blackhillock 132kV Works
Overview of Works Establish a new 132kV Tee point of the Macduff to Blackhillock 132kV HMN circuit. Upgrade 4.7km of 132kV OHL on the Macduff to Blackhillock 132kV HMN circuit to a minimum summer pre-fault capacity of 197MVA.	
Proposed Consent Submission	TBD
Current Project Phase	Opportunity Assessment
Next Project Phase	Development
Next Stakeholder Event	TBD
Project Completion Date	30/09/2030
Summary of works in last quarter: Continuation of high-level project development and internal governance activities complete, passing to Optioneering stage.	
Summary of works in next quarter: Develop programme and estimate costs and commence project Development works.	
Additional Comments:	



TORI SHET-RI-222 - Longmorn Energy Park Substation and OHL Works	Scheme Longmorn Energy Park Substation and OHL Works
Overview of Works <p>Construction of the new Longmorn 275kV Substation and a 275kV 2.7km double circuit tower line, connecting into the existing Knocknagael - Blackhillock 275kV circuit, UH2 as a turn in arrangement.</p> <p>This construction arrangement will turn this into a Clash Gour - Longmorn - Blackhillock 275kV circuit.</p>	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	15/08/2031
Summary of works in last quarter: <p>Initial high-level project development, along with initial internal governance activities.</p>	
Summary of works in next quarter: <p>Continuation of high-level project development, along with initial internal governance activities.</p>	
Additional Comments:	



TORI SHET-RI-223 – Load Management Scheme at Windyhill 132kV Substation	Scheme Load Management Scheme at Windyhill 132kV Substation
Overview of Works The provision of signals from Sloy switching station to SPT for inclusion in a load management scheme.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	No dates provided by Development
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



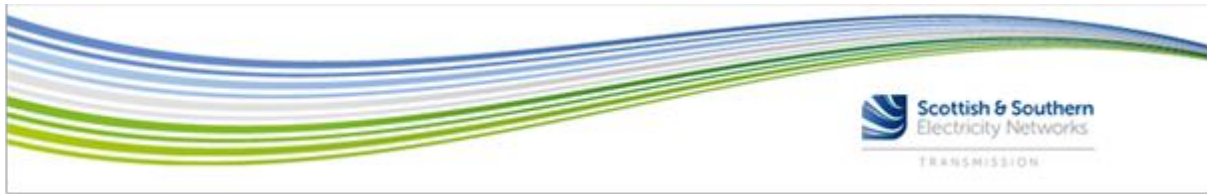
TORI SHET-RI-226 - Craigiebuckler to Tarland 132kV Line Works-V1	Scheme Craigiebuckler to Tarland 132kV Line Works-V1
Overview of Works Establish a new 132kV Tee point of the Craigiebuckler to Tarland CLS circuit. This will require three 132kV line disconnectors and one 132kV line circuit breaker. Additionally, this may require tower/pole modifications to the existing 132kV infrastructure to accommodate these new assets. Protections works will also be required on the 132kV CLS/CLN/XCW/CF circuits between Tarland, Craigiebuckler and Kintore substations.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	01/10/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



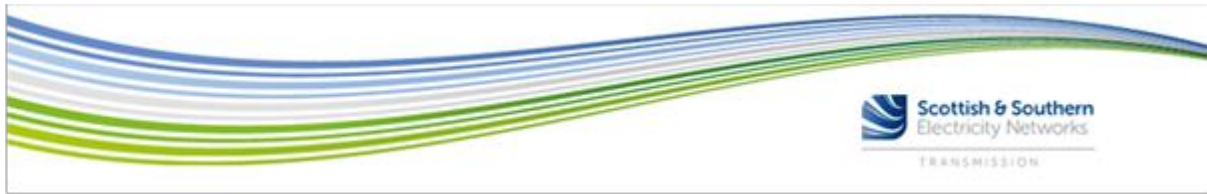
TORI SHET-RI-230 - Dalchork to Loch Buidhe 132kV second Double Circuit	Scheme Dalchork to Loch Buidhe 132kV second Double Circuit
Overview of Works Construction of approximately 17 km 132kV double circuit between Dalchork - Loch Buidhe substations with same rating OHLs as of existing double circuit i.e. 414 MVA post fault summer ratings. Scope also includes construction of two feeder bays each at Dalchork Substation and Loch Buidhe Substation.	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-231 - Aberdeen 132kV Protection Works	Scheme Aberdeen 132kV Protection Works
Overview of Works Installation of a second 132kV intertrip to support the protection of the Craigiebuckler/Redmoss/Clayhills circuits.	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/03/2025
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Development of Protection and Control Scope of Works.	
Additional Comments:	



TORI SHET-RI-233 - Arnish to Balallan 132kV second Single Circuit	Scheme Arnish to Balallan 132kV second Single Circuit
Overview of Works Construct a second 132kV single circuit OHL between Arnish Substation, and the Balallan switching station.	
Proposed Consent Submission	October 2026
Current Project Phase	Pre Planning
Next Project Phase	Planning
Next Stakeholder Event	TBC
Project Completion Date	31/10/2030
Summary of works in last quarter: Project assessment undertaken by Development team and discussions held with Offshore, and as a result this project will be moving the Offshore to take forward.	
Summary of works in next quarter: Project being prepared for transfer from Onshore Development to Offshore Development teams.	
Additional Comments:	




TORI	Scheme
SHET-RI-235 - Knocknagael 275kV Reserve Bus Section Circuit Breaker	Knocknagael 275kV Reserve Bus Section Circuit Breaker
Overview of Works	
Install a reserve bus section circuit breaker at Knocknagael 275kV substation.	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2032
Summary of works in last quarter:	
Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter:	
Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-236 - Blackhillock - Cairnford 275kV Line Works	Scheme Blackhillock - Cairnford 275kV Line Works
Overview of Works Establish a new 275kV Tee point of the Blackhillock to Cairnford 275kV HCD2 circuit. This will require three 275kV line disconnectors and one 275kV line circuit breaker. This Tee point will be adjacent to that seen from SHET-RI-178, and therefore this new TORI will be dependent on SHET-RI-178 to create the land/compound required for this new switchgear.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	30/05/2030
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-237 - Coupar Angus - Clunie 132kV Works	Scheme Coupar Angus - Clunie 132kV Works
Overview of Works Establish a new 132kV single busbar near to the Coupar Angus area. The proposed location for this busbar compound will be next to or underneath the crossing point of the 132kV CCN/CCS circuits and the 275kV YZ1/YZ2 circuits (YZ1/YZ2 proposed to switch to 400kV under SHET-RI-093). For this new 132kV single busbar, four new 132kV bays will be required to connect the existing 132kV CCN/CCS circuits as seen from the SLD. A bus section has also been proposed on the busbar.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	30/05/2030
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Site Selection process underway.	
Additional Comments:	

	
TORI SHET-RI-238 – New 275kV Connagill Substation	Scheme New 275kV Connagill Substation
Overview of Works New 275kV Connagill substation	
Proposed Consent Submission	N/A
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2030
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI	Scheme
SHET-RI-239 – Sloy 132kV Cross Boundary LMS	Sloy 132kV Cross Boundary LMS
Overview of Works The provision of signals from Sloy switching station to SPT for inclusion in a load management scheme.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2025
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



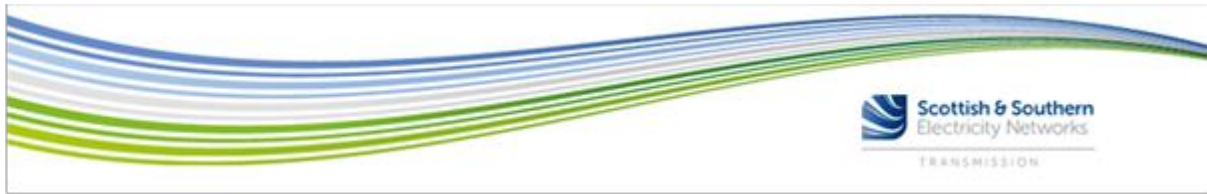
TORI SHET-RI-240 - Morar 400kV Substation	Scheme Morar 400kV Substation
Overview of Works Construct a new 400kV breaker and a half substation complete with six 400kV circuit turn in to connect the new substation to the Transmission system	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-241 - Peterhead - Persley - Kintore 400kV Reinforcement	Scheme Peterhead - Persley - Kintore 400kV Reinforcement
Overview of Works Peterhead-Persley-Kintore 400kV upgrade. Reconductor (Triple UPAS) and reinsulate the 275kV route for 400kV and tie-in to Peterhead 2. 400kV S/S (Newmachar) at tee-point of diversion to Persley (retaining 275kV OHL to Persley). Additional 400/275kV SGT (1200MVA) at Peterhead for Peterhead CCGT, and two 400kV PSTs (2349MVA) for PFC at Newmachar on the new 400kV OHL under PKUP to Peterhead 2.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-243 – Killin – Inverarnan 132kV Double Circuit Rebuild	Scheme Killin Inverarnan 132kV Double Circuit Rebuild
Overview of Works Rebuild the Killin – Inverarnan 132kV double circuit tower line, including replacement of the 132kV underground cable sections, with higher rated 132kV assets.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/11/2031
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-245 – Kintore to Craigiebuckler-Tarland Tee Point Upgrade	Scheme Kintore to Craigiebuckler-Tarland Tee Point Upgrade
Overview of Works Kintore-Craigiebuckler/Tarland Tee Point Overhead line 132kV Upgrade.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2031
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-246 - Garlogie 275kV Substation	Scheme Garlogie 275kV Substation
Overview of Works Garlogie 275kV Substation Establish a new 275kV substation with a single 275kV busbar near the Garlogie area. Installation of a new 275kV bay at Kintore 275kV substation. This bay availability will be subject to HND FUE, where it is currently proposed that some 275kV bays may become available due to the Kintore to Persley/Peterhead circuits being moved to 400kV operation (as proposed within SHET-RI-241). Construct a new 275kV single circuit overhead line from Kintore 275kV Substation to this new Garlogie 275kV Substation (Approximately 14km).	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-247 – Mossy Hill T-Connection	Scheme Mossy Hill T-Connection
Overview of Works Construct a new Tee point into the one side of the 132kV circuits between Kergord substation and Gremista.	
Proposed Consent Submission	N/A
Current Project Phase	See SHET-RI-143 - Kergord - Gremista GSP 132kV Infrastructure
Next Project Phase	See SHET-RI-143 - Kergord - Gremista GSP 132kV Infrastructure
Next Stakeholder Event	See SHET-RI-143 - Kergord - Gremista GSP 132kV Infrastructure
Project Completion Date	See SHET-RI-143 - Kergord - Gremista GSP 132kV Infrastructure
Summary of works in last quarter: All constructions works will continue through next period. Overhead line pole installation is scheduled to complete in this period with overhead line wiring works ongoing.	
Summary of works in next quarter:	
Additional Comments: TORI created to split costs works, the same as SHET-RI-143 - Kergord - Gremista GSP 132kV Infrastructure.	



TORI SHET-RI-249 – Highland BESS 132kV Substation and Cable Works	Scheme Highland BESS 132kV Substation and Cable Works
Overview of Works <p>Construction of the new Highland BESS 132kV Substation and a 132kV 1km double cable circuit, connecting into the Tomatin – Boat of Garten 132kV circuit in a turn in arrangement.</p> <p>This construction arrangement will turn this into a Tomatin – Highland BESS – Boat of Garten 132kV circuit.</p>	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	30/05/2030
Summary of works in last quarter: <p>Continuation of high-level project development, along with initial internal governance activities.</p>	
Summary of works in next quarter: <p>Continuation of high-level project development, along with initial internal governance activities.</p>	
Additional Comments:	



TORI SHET-RI-251 – Pollie Hill Wind Farm Tee	Scheme Pollie Hill Wind Farm Tee
Overview of Works Construct a new Tee point onto one side of the existing 275kV circuits (LNG2) between Loch Buidhe Substation and Connagill Substation.	
Proposed Consent Submission	N/A
Current Project Phase	initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2031
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-252 – Kilbraur North Wind Farm Line Extension	Scheme Kilbraur North Wind Farm Line Extension
Overview of Works The existing 275kV LNG2 line between Loch Buidhe and Connagill Substation will be extended to the new Kildraur North Wind Farm 275kV Substation.	
Proposed Consent Submission	N/A
Current Project Phase	initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2031
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-253 – Carradale-Greenland 132kV Single Circuit OHL	Scheme Carradale-Greenland 132kV Single Circuit OHL
Overview of Works Construction of a new 132kV double busbar bay located at Carradale 132kV substation.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2034
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Project on hold	
Additional Comments:	



TORI SHET-RI-255 - Abernethy 400kV Substation	Scheme Abernethy 400kV Substation
Overview of Works Construct a new 400kV busbar to facilitate the connection of a new 400/33kV GSP at Abernethy	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-256 - Peterhead 2 400kV Busbar Extension	Scheme Peterhead 2 400kV Busbar Extension
Overview of Works Extend the 400kV double busbar with space provision for a minimum of one additional bay, at Peterhead 2 400kV Substation.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI	Scheme
SHET-RI-258 – Tealing 400kV Busbar Extension	Tealing 400kV Busbar Extension
Overview of Works Extend the 400kV double busbar with space provision for a minimum of one additional bay, at Tealing 400kV Substation.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-259 – Protection upgrades for the 132kV circuit (Beaully – Keith) at Nairn	Scheme Protection upgrades for the 132kV circuit (Beaully-Keith) at Nairn
Overview of Works Replacement of the circuit switchers at Nairn (i.e. 403 and 503) with circuit breakers as well as protection relay replacements/additions at Nairn, Elgin, Beaully, and Keith.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-260 – Tealing 132kV Extension	Scheme Tealing 132kV Extension
Overview of Works All civil and protection works required to extend the Tealing Substation compound to allow the Tealing 132kV busbar to be extended for the installation of additional 132kV bays.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2028
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities, including agreeing total scope. Internal engineering resource are underway. Environmental consultant engaged and will begin in next quarter to work towards EIA. Land discussions began with Seagreen.	
Summary of works in next quarter: Develop substation design, carry out EIA/EA surveys and assessments and work towards Gate 1 governance.	
Additional Comments:	



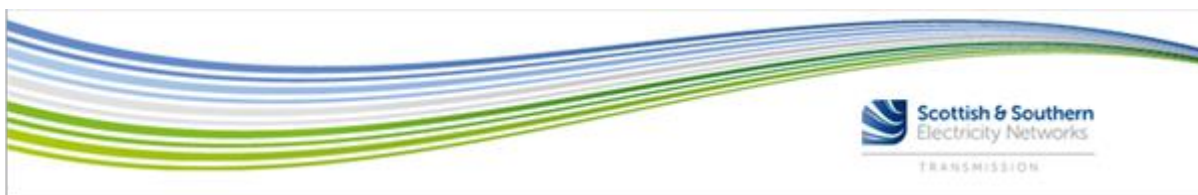
TORI SHET-RI-262 - New East Coast 400kV Substation	Scheme New East Coast 400kV Substation
Overview of Works Establish a new 400kV substation on the east coast between Tealing and Glenrothes/Westfield to facilitate connection of Generation Station.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2035
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-264 - Coupar Angus 2 - Birkhill Tee 132kV Upgrade	Scheme Coupar Angus 2 - Birkhill Tee 132kV Upgrade
Overview of Works Upgrade approximately 13km of 132kV double circuit OHL between Coupar Angus 2 GSP and Birkhill Tee. This may require steelwork and foundation upgrades to the existing towers to accommodate this new conductor. The Coupar Angus 2 GSP location is still under review, and therefore the required km of OHL for this 132kV upgrade may be subject to change.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/08/2029
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Project Team to be assigned and start project development	
Additional Comments: Project currently being reviewed.	



TORI	Scheme
SHET-RI-266 – New North East 275kV Substation	New North East 275kV Substation
Overview of Works Establish a new 275kV double busbar substation between Blackhillock 275kV – Kintore 275kV Substations connecting existing circuits in a loop in/out arrangement.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-268 – 275kV Dounreay 2 Substation	Scheme 275kV Dounreay 2 Substation
Overview of Works Construct a new 275kV double busbar Dounreay 2 Substation with at least seven bays (and three for future) approximately 3km away from existing 275kV Dounreay Substation in between existing Dounreay – Thurso South 275kV double circuit.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/07/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-269 - Alyth 400kV Satellite Substation	Scheme Alyth 400kV Satellite Substation
Overview of Works Construction of a new satellite substation near Alyth 400kV connected to Alyth via a cable connection to an existing bay, facilitating the connection of multiple users.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



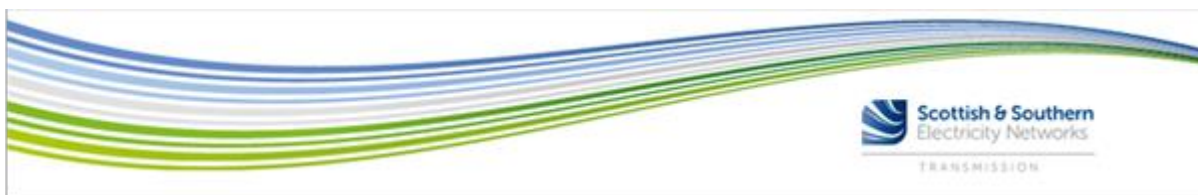
TORI SHET-RI-270 – Clachan 2 GSP Tee in works	Scheme Clachan 2 GSP Tee in works
Overview of Works Construct a new 132kV switching station at the site where Clachan 2 GSP Tees into Inveraray to Sloy 132kV.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2030
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-271 – North Logiealmond Substation 132kV Switchgear	Scheme North Logiealmond Substation 132kV Switchgear
Overview of Works Construct a new 132kV substation compound and loop into the Errochty to Charleston 132kV OHL circuits (GP1/GP2).	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



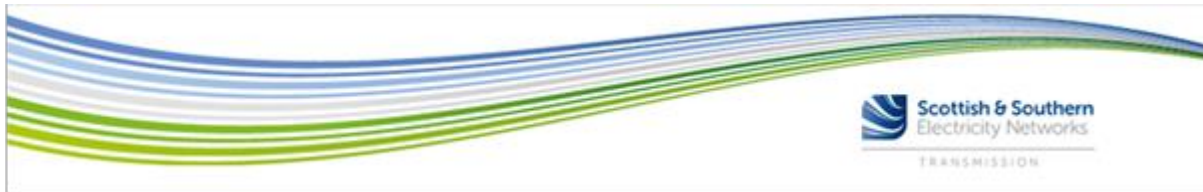
TORI SHET-RI-272 – 275/132kV Corriemoillie 2 Substation	Scheme 275/132kV Corriemoillie 2 Substation
Overview of Works Construct a new substation almost 3km away from the existing 132kV Corriemoillie Substation with 275kV and 132kV busbars. Install two 480 MVA, 275/132kV SGTs at this new substation. Construct approximately 20 km of 275kV OHL (double circuit) from Corriemoillie Substation to existing Beaulieu-Fyrish 275 kV OHL and connect it in a turn-in turn-out/T-configuration.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



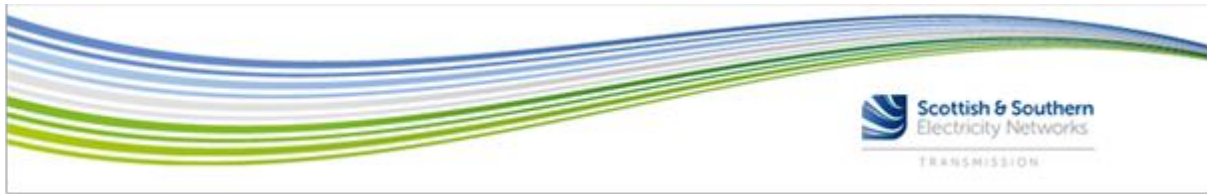
TORI SHET-RI-274 – Lynemore Wind Farm Substation and OHL Works	Scheme Lynemore Wind Farm Substation and OHL Works
Overview of Works Construction of the new Lynemore 132kV Substation, connecting into the Tomatin – Boat of Garten 132kV 'MAG2' circuit in a turn-in arrangement. This construction arrangement will turn this into a Tomatin – Lynemore Wind Farm – Boat of Garten 132kV circuit.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2030
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



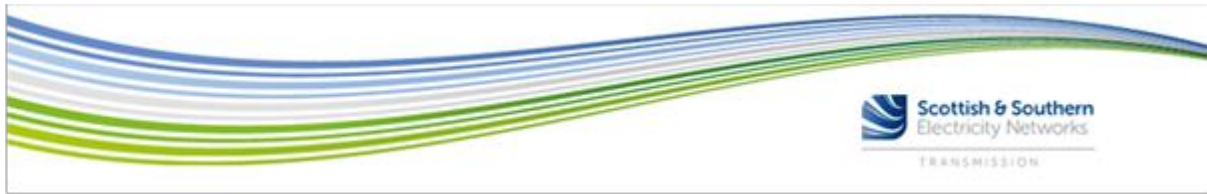
TORI	Scheme
SHET-RI-275 – Shin 2 Tee and OHL Works	Shin 2 Tee and OHL Works
Overview of Works Construction of Switching Station and OHL reinforcement/ construction to support the Tee connection from the new GSP "Shin 2".	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-278- New Craigiebuckler 132kV Substation	Scheme New Craigiebuckler 132kV Substation
Overview of Works This TORI proposes the construction of a new 132kV double busbar at a new site near the existing Craigiebuckler 132/33kV GSP.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	30/09/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI	Scheme
SHET-RI-283 - Corrymuckloch 400kV Substation	Corrymuckloch 400kV Substation
Overview of Works Construct a new 400kV substation on the Beauly Denny line between Kinardochy and Denny. The location is expected to be between towers 307 and 308 on the existing line, near to the village of Corrymuckloch.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2035
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-284 - Arbroath - Tealing (TAN/TAS) Reconductoring	Scheme Arbroath - Tealing (TAN/TAS) Reconductoring
Overview of Works Reconductor Arbroath to Tealing 132kV circuits TAN and TAS (Towers 31-78 only).	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI	Scheme
SHET-RI-285 - Scatsta 132kV Substation	Scatsta 132kV Substation
Overview of Works For this new substation three 132kV circuits are required between the Scatsta 132kV substation and Kergord 132kV substation.	
Proposed Consent Submission	TBC
Current Project Phase	Opportunity
Next Project Phase	Development
Next Stakeholder Event	TBC
Project Completion Date	TBC
Summary of works in last quarter: Commencement of site selection process. Commencement of corridor selection and routing process.	
Summary of works in next quarter: Continuation of works above.	
Additional Comments: Awaiting outcome of Shetland Strategy to confirm circuit requirement.	



TORI SHET-RI-287 - Thurso 2 GSP 275kV Reinforcement	Scheme Thurso 2 GSP 275kV Reinforcement
Overview of Works Establish a new 275kV loop in connection of the UT1 circuit between Thurso South and Dounreay for the connection of a new Thurso 2 275/33kV GSP substation.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2033
Summary of works in last quarter: Initial high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-289 - Arbroath 2 GSP Tee	Scheme Arbroath 2 GSP Tee
Overview of Works Establish two new 132kV Tee points of the TAN/TAS circuits between Arbroath GSP and Tealing 132kV for the connection of a new Arbroath 2 132/33kV GSP substation.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2032
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-296 - Tomatin - Knocknagael Intertrip Scheme	Scheme Tomatin - Knocknagael Intertrip Scheme
Overview of Works Install intertrip facilities at Tomatin 275/132kV substation to monitor the Tomatin - Knocknagael double circuit tower line (CMA1 and CMA2). Following an outage of either of these two circuits, an intertrip signal will be sent to applicable Users to reduce export/import to 0MW.	
Proposed Consent Submission	TBD
Current Project Phase	Initial Internal Governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2029
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-298 - New Deer 2 400kV Busbar Extension	Scheme New Deer 2 400kV Busbar Extension
Overview of Works Extend the 400kV double busbar with space provision for a minimum of one additional bay, at New Deer 2 400kV Substation.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2033
Summary of works in last quarter: Continuation of high-level project development, along with initial internal governance activities.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	