

Transmission Owner Reinforcement Instruction (TORI)

Quarterly Update Report



Scottish & Southern
Electricity Networks

March 2024 – June 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 - Beauly - Blackhillock 400 kV Double Circuit OHL	Scheme Beauly - Blackhillock 400 kV Double Circuit OHL
Overview of Works Establish a new double circuit 400kV overhead line approximately 110km from Beauly to Blackhillock. In an update from initial scope, the new OHL is to connect to a new 400kV busbar at Beauly and a new 400kV busbar at Blackhillock.	
Proposed Consent Submission	01/11/2024
Current Project Phase	Design
Next Project Phase	Consenting
Next Stakeholder Event	September 2024 – Final alignment event
Project Completion Date	31/10/2030
Summary of works in last quarter: Completion of two rounds of public consultation (Refined Route in March and Proposed Alignment in June) with associated design development. Ongoing engineering and environmental surveys. Ongoing discussions with landowners.	
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 towards end of next quarter. Progress Environmental Impact Assessment in preparation for submission of Section 37 notice. Commence land negotiations with impacted landowners. Commence initial GI works.	
Additional Comments: Project is being developed in parallel to SHET-RI-137 Blackhillock – New Deer – Peterhead 400kV OHL with shared project team. New Beauly 400kV Busbar 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 400 kV Busbar	Scheme Beauly 400 kV 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: <ul style="list-style-type: none"> • High level design pricing completed. • Option to progress single bus bar upgrade within existing fence line approved by ASTI steering group. 	
Summary of works in next quarter: <ul style="list-style-type: none"> • Project being allocated to SBAM as ASTI partner • Progress outline design and progress through 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: <ul style="list-style-type: none"> • Project being reviewed for allocation to appropriate contractor and delivery team due to number of work fronts 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	31/03/2025
Summary of works in last quarter: <p>The site activity at Alyth Substation remain focused on the finishing touches for the site compound. Contractor will demobilise from site by end of June 2024.</p> <p>Installation and erection of PST1 into the bunded area at Tealing, the Installation of the noise enclosure around PST1, commence with onsite testing. Prepare for delivery of the second PST unit to Tealing Substation.</p>	
Summary of works in next quarter: <p>Delivery of PST2 late June/early July2024 to Tealing Substation, installation, and erection of PST2.</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 275/132 kV Substation in North Argyll near the existing Inveraray/Taynuilt 132 kV line route with two 480 MVA 275/132 kV transformers with provision for additional future feeder bays. Establish a new 275 kV 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 consent subject to Public Local Inquiry.
Current Project Phase	Execution
Next Project Phase	Operation
Next Stakeholder Event	
Project Completion Date	30/11/2027
Summary of works in last quarter: The Creag Dhubh substation Initial Works contract deliverables (detailed design) are under finalisation. Forestry works are complete and all Town and Country Planning Pre-commencement conditions have been discharged, allowing full site mobilisation early in May 2024.	
Summary of works in next quarter: Earthworks will be progressed at Creag Dhubh substation site and the welfare/accommodation areas will be developed to allow mobilisation of increased workforce as the project moves toward Q3/Q4 2024.	
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 of 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	Refinement
Next Project Phase	Delivery
Next Stakeholder Event	TBC
Project Completion Date	Q2 2028
Summary of works in last quarter: Continued contract negotiations with contractors for contract awards for both substation and cable packages.	
Summary of works in next quarter: Complete contract negotiations with contractor's for both substation and cable packages contract award in June/July 2024. Prepare and complete the Project Assessment for submission to Ofgem. Mobilisation of site welfare compounds for substation works to commence at both Dounreay West and Finstown along with stakeholder engagements.	
Additional Comments: Part B Contract Award targeted early July 2024.	



TORI SHET-RI-025a - Peterhead-Rothienorman 400 kV OHL upgrade	Scheme Peterhead-Rothienorman 400 kV 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 OPGW 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: <p>Removal of redundant equipment being held up by nesting birds and completion of remaining works being held up by other works being carried out at Blackhillock. Handover to Ops will be carried out once complete.</p>	
Summary of works in next quarter: <p>Removal of remaining towers and close out of snagging/incomplete works.</p>	
Additional Comments: <p>N/A</p>	



TORI SHET-RI-025b - Eastern Subsea HVDC Link	Scheme Eastern Subsea HVDC Link
Overview of Works Install a 2GW HVDC link between Peterhead (SHE-Transmission) and Drax (NGET). This TORI describes the SSENT works. HVDC cables to be routed into the sea, then south towards the North East of England in NGET's license area.	
Proposed Consent Submission	All material consents approved pending discharge of conditions
Current Project Phase	Refinement
Next Project Phase	Construction
Next Stakeholder Event	
Project Completion Date	31/12/2029
Summary of works in last quarter: Progress both Lot 1 and Lot 2 Contract detailed design. Complete the Peterhead 11kV Overhead Line Diversion Placed Part B contract with Balfour Beatty for Peterhead 400kV GIS 3-bay extension. Place contract for Drax 400kV Overhead Line reconductoring works. Support LPA in assessing planning discharge submission review. Receive OFGEM Project Assessment Determination. Employer Led UXO TI tender launch to market.	
Summary of works in next quarter: Agree a baseline programmes with both Lot 1 and Lot 2 contractors in June 24. Progress Lot 1 and 2 detailed designs in accordance with accepted baseline programmes. Placed Part B contract with Balfour Beatty for Peterhead 400kV GIS 3-bay extension. Support LPA in assessing planning discharge submission review. Complete 11kV OHL Diversion Progress 132kV OHL and UG Cable Diversion (outages commence early June 24).	
Additional Comments:	



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 approx. 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 sub station.</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 Q3 2024
Next Stakeholder Event	
Project Completion Date	06/12/2023
Summary of works in last quarter: Progressing to close out all remaining defects and snags with Principal Contractor prior to Gate 5 – handover to SSEN Operations.	
Summary of works in next quarter: Completion of all outstanding defects and obtaining all final records. Handover to SSEN Operations estimated July/August 2024.	
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: Rothienorman: There will be ongoing activity for construction of 400kV synchronous compensator cable connection bay. Kintore: Installation of the site security system will be ongoing. Security system is now substantially complete and ready for the commissioning phase. The Contractor continues with the close out of snags and defects. Blackhillock: Removal of redundant equipment being held up by nesting birds and completion of remaining works being held up by other works being carried out at Blackhillock. Handover to Ops will be carried out once complete.	
Summary of works in next 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 preparedness for the upcoming Gate 5 handover in September 2024.	
Additional Comments: N/A	



TORI SHET-RI-026 - Blackhillock 275 kV QBs	Scheme Blackhillock 275 kV QBs (PSTs)
Overview of Works At Blackhillock, install 2 x 865MVA (continuous rating) 275kV quadrature boosters with bypass on the existing 275kV circuits (AH1/HO2) to Knocknagael, rearranging the circuit terminations as appropriate.	
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: Gate 1 DAR has been held, with the project working to close out actions. Works Information for both the PSTs and substation package are in the process of being produced.	
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	Consented
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	N/A
Project Completion Date	01/04/2027
Summary of works in last quarter: Internal review of proposals to avoid expiry of the S37 in July 2024 in liaison with SSENT legal and consenting teams. Continue the above activities, including reviewing outcomes of connecting developer planning submissions. Ongoing liaison 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 implement a strategy to extend the S37 consent or if not able to do so review the impact of this and assess options to re-consent at the earliest opportunity. Continue to liaison 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 2 GW East Coast HVDC Link Peterhead to England	Scheme Second 2 GW 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 - Aug 24 (PPiP as part of Netherton Hub); Marine consents - Q1 25
Current Project Phase	Gate 1
Next Project Phase	Gate 2 (Q4 2024)
Next Stakeholder Event	PAC2 – May 24 (completed)
Project Completion Date	31/10/2031
Summary of works in last quarter: <ul style="list-style-type: none"> - Work Packages 1 and 2 ITT released to market - Preparation of Work Package 3 ITT pack commenced - Complete onshore cable GI - Netherton hub PPiP design freeze achieved 	
Summary of works in next quarter: <ul style="list-style-type: none"> - Continue preparation of ITT pack for WP3 - Tender clarifications for Work Package 1 & 2 - PPiP submission 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 st October 2030
Summary of works in last quarter: Control building identified as needing extended to house control panels. Costs to be updated once firm design created. Power flow devices and Bunds confirmed that are manageable and can be installed in preferred location on site.	
Summary of works in next 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 st August. Ecology reports carried out in local area.	
Additional Comments: Site location is a shared use site between SSE and SP. There will be a need to engage SP to understand there planned works and impact of these and our works on them. Operational areas are separate but access etc to overall site is shared.	



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 of 7 bays; 3 which allow for the existing Harris-Stronoway 132kV circuit to be connected (double circuit north to HVDC site) and 2 for the wind farm connections. There is an allowance of 2 spare bays for future development.	
Proposed Consent Submission	Q2 2025
Current Project Phase	Passed Gate 1 in October
Next Project Phase	Gate 2 March 2025
Next Stakeholder Event	TBC
Project Completion Date	30/10/2030
Summary of works in last quarter: GI works and ornithology surveys	
Summary of works in next quarter: Gi tenders being evaluated to select a contractor, works to commence late summer/autumn, ornithology studies ongoing to complete March 25.	
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 TH March 2025
Next Stakeholder Event	TBC
Project Completion Date	31/10/2030
Summary of works in last quarter: Project change request approved amending project dates to align with T3 timeframe. Project name change to Taynuilt – Creag Dhubh reinforcement, can this be updated accordingly. Project kick off meeting carried out 4 th June.	
Summary of works in next quarter: Arrange site visit. Determine optioneering and decide on best option to take forward for approval.	
Additional Comments: N/A	



TORI SHET-RI-050b - Port Ann - Crossaig Reinforcement	Scheme Port Ann - Crossaig Reinforcement
Overview of Works Reinforce the 132kV Transmission Network in the Kintyre Peninsula. Rebuild approximately 48km of double circuit OHL between Port Ann and Crossaig. The tower line will be built for 275kV operation, but initially operated at 132kV.	
Proposed Consent Submission	N/A
Current Project Phase	Operational
Next Project Phase	n/a
Next Stakeholder Event	n/a
Project Completion Date	21/12/2023
Summary of works in last quarter: All works have been completed.	
Summary of works in next quarter: All works have been completed.	
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	Execution (Commissioning)
Next Project Phase	Operate & Evaluate
Next Stakeholder Event	n/a
Project Completion Date	24/06/2022
Summary of works in last quarter: Ongoing correction of outstanding Defects and handover to Operations.	
Summary of works in next quarter: Completed handover to Operations	
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 complete 2 nd June 2023)
Next Project Phase	Gate 5 – Combined Gate 5a (post energisation end July 2024) for Noss Head & Kergord in December 2024. Gate 5b, 12 th May 2026 (post Island Import Tests Nov 2025).
Next Stakeholder Event	11 th June Community Liaison Group Meeting and newsletter publication in July.
Project Completion Date	02/08/2024
Summary of works in last quarter: Completion of both Stage 1 Commissioning programme and progress with Stage 2 Commissioning Programme. Back Feed to VEWf achieved in May 2024.	
Summary of works in next quarter: Continued work on defect closure & system testing working towards connection date with NGEN in August 2024.	
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	June 2024
Project Completion Date	August 2030
Summary of works in last quarter: <ul style="list-style-type: none"> - Alignment assessments and development - Alignment consultation events - Ongoing environmental and engineering surveys, studies and assessments - Stakeholder engagement 	
Summary of works in next quarter: <ul style="list-style-type: none"> - Concluding in selection of preferred alignment. - Undertake Ground Investigation surveys. - Progress through Scoping Stage of consenting process and undertake EIA assessment. 	
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	On Hold I
Next Project Phase	On Hold
Next Stakeholder Event	On Hold
Project Completion Date	31/10/2025
Summary of works in last quarter: On Hold	
Summary of works in next quarter: On Hold	
Additional Comments: On Hold	



TORI SHET-RI-059 - Third 2GW East Coast HVDC Link Peterhead to England	Scheme Third 2GW East Coast HVDC Link Peterhead to England
Overview of Works Install an indoor 2GW HVDC converter station with associated equipment. HVDC cables to be routed into the sea and then south towards England (landing point to be confirmed). This will be a joint project with National Grid.	
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 Construct a new 132kV circuit from Fort Augustus to Ardmore. The circuit is proposed as double circuit structure from Fort Augustus to Broadford, Single Circuit Structure from Broadford to Edinbane and single circuit structure from Edinbane to Ardmore (approximately 160km Fort Augustus 132kV substation to Ardmore 132kV substation).	
Proposed Consent Submission	January 2022
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	TBC
Project Completion Date	16/04/2028
Summary of works in last quarter: Detailed design phase and determination of Consent applications – Broadford substation planning hearing 16 th April '24. Section 37 Consent target end of August for approval – however date still TBC by ECU. Enabling works ongoing. <u>OHL and UGC contracts now agreed and signed off SSEN/Balfour Beatty on 3/6/24.</u>	
Summary of works in next quarter: Continue with design phases of Substation, OHL, and UGC projects and civils enabling works. Progress discharge of pre-commencement condition discharge for Broadford and Edinbane substation works	
Additional Comments: N/A	



TORI SHET-RI-065a - Beaully 132 kV Substation Redevelopment	Scheme Beaully 132 kV Substation Redevelopment
Overview of Works Establish a new 132kV double busbar arrangement at Beaully substation and transfer 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	31/10/2025
Summary of works in last quarter: The gas insulated double busbar switchgear has been mechanically assembled, including all ancillary equipment. Installation of protection & control panels, as well as local control cubicles has commenced with good progress. External works to install the security fencing around the new platform has largely been completed, with minor modifications remaining. Installation of required external concrete bases, as well as tarmac access roads and kerning has also largely completed in the reporting period.	
Summary of works in next quarter: Gas filling of the new switchgear will commence, alongside the start of initial testing of electrical systems, while wiring activities will continue throughout the next reporting period. Works will commence in the existing 132kV live site, to install temporary interconnector cables and commence civil construction of new super grid transformer bunds, while also starting the dismantling of the redundant existing super grid transformer units.	
Additional Comments: N/A	



TORI SHET-RI-065b - Beauly 3rd SGT Replacement	Scheme Beauly 3rd SGT Replacement
Overview of Works Replacement of third existing 275/132kV 120MVA SGT with a new 360MVA 275/132kV transformer. SHET-RI 065a covers establishment of a new 132kV double busbar arrangement at Beauly substation and transfer the circuits from the existing 132kV busbar to the new busbar.	
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	31/03/2026
Summary of works in last quarter: As per SHET-RI-065a. Completion of SHET-RI-065a activities is a pre-requisite to enable commencement of SHET-RI-65b works.	
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 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	30/11/24
Current Project Phase	Design/Consenting
Next Project Phase	Consenting
Next Stakeholder Event	Q2 2024
Project Completion Date	31/10/2029
Summary of works in last quarter: Continued engagement with landowners, design work related to proposed SEI	
Summary of works in next quarter: Continued engagement with landowners. Submission of SEI related to s37.	
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 Beaully-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	31/08/2024
Summary of works in last quarter: The installation of Gas Insulated Switchgear (GIS) is complete, with high voltage testing in its final stages on-site. Most of the Air Insulated Switchgear (AIS) has been delivered and positioned on the substation platform. Additionally, the installation of protection and control cables for the AIS equipment has been completed. The project has also seen the completion of the main build for the reactive compensation (STATCOM) system, including its dedicated cooling mechanism. Furthermore, the overhead line circuits have been successfully transferred to the new permanent towers, allowing for the dismantling and removal of the temporary towers from the site.	
Summary of works in next quarter: High voltage testing will be completed, which is the final step before commencing the outages to reconfigure the remote end protection systems. Following the completion of these works the final physical connection will be made to the substation and it will be energised for the first time. In parallel to this the reactive compensation equipment will be going through its final commissioning ready for 'on load' testing once the site is live on the network.	
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 132 kV Switching Station at Ellibster and a 132kV OHL Trident wood pole connection from Ellibster to Finstown Substation. Note that Finstown 132kV Substation is established as part of SHET-RI-019 works.		
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: 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: 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: 360MVA transformer ITT to framework market.	
Summary of works in next quarter: System studies to be conducted to determine need case for project. Due to be concluded in Q2/3 2024. Transformer ITT to market based on output from system study.	
Additional Comments: Project split from SHET-RI-079b. SHET-RI-079 originally consisted of 2 SGTs and has now been split into delivery of 1 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 ancilliary 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: <ul style="list-style-type: none"> - System studies to be conducted to determine need case for project. Due to be concluded in Q2/3 2024. 	
Summary of works in next quarter: Awaiting System Study conclusion to determine project next steps. Project Team resourced and awaiting decision.	
Additional Comments: Project split from SHET-RI-079a. SHET-RI-079 originally consisted of 2 SGTs and has now been split into delivery of 1 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 <ul style="list-style-type: none"> • 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	18th June 2024
Project Completion Date	31/10/2028
Summary of works in last quarter: OHL diversion works commenced to energise end of June 24. Tree felling to be completed for substation footprint in the next quarter for subcontractor commence on site. <ul style="list-style-type: none"> • Starting of enabling/forestry works. • Mobilization of Contractor to start site setup/construction works. 	
Summary of works in next quarter: OHL diversion works progressing, first energisation commenced end of May with full energisation to be completed end of June 2024. Tree felling works to commence in June to allow the preparation works for peat restoration.	
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	N/A
Current Project Phase	N/A
Next Project Phase	N/A
Next Stakeholder Event	N/A
Project Completion Date	31/08/2025
Summary of works in last quarter: Project under review	
Summary of works in next quarter: Project under review	
Additional Comments: Project under review	



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 WF. 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: Order placed with Efacec for supply, deliver & commissioning of SGT2.	
Summary of works in next quarter: Engineering to commence preparation of Works Information for tender issue. Update Governance documents.	
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: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments: N/A	



TORI SHET-RI-093 - East Coast Phase 2 - 400kV Reinforcement	Scheme East Coast Phase 2 - 400kV Reinforcement
Overview of Works Upgrade the existing Blackhillock / Rothienorman / Kintore / Alyth / Kincardine east coast 275kV circuits to 400kV operation. Establish a new 10 bay 400kV double busbar at Kintore to enable this upgrade. This upgrade also interfaces at Blackhillock 400kV Substation and with Scottish Power Transmission (SPT) at Kincardine substation. SPT will be responsible for all the 400kV OHL upgrade and substation works beyond the SSEN Transmission/SPT Boundary (Boundary 4).	
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: SBS Diagrams to be finalised and outages booked for works in 2025. Stage Gate 3 process completed during May. Full CEAF for execution phase funding submitted and approved. Fetteresso Works: Detailed design works to commence and progress. Site surveys commenced, prior to mobilisation in Q3 2024. Kintore Works: The first step of the GIS manufacturing has commenced with the agreement of the Bill of Materials (BoM) and subsequent launch. Full manufacturing is planned to commence in late June/early July. Final preparations have now been completed for the commencement of the GIB installation, which is now due to start mid-June with the erection of the support structures. The Principal Contractor has commenced with the erection of the new tower for the upcoming 275kV cable diversion on circuits XH1 & CDX2. They have also nearly completed the civils works for the installation of the new 275kV cable. OHL: Access and foundation works to continue. Reconductoring works from Fetteresso to tower 31 now underway. . Foundation upgrade works are progressing well.	
Summary of works in next quarter: Alyth Works:	

Contract Award planned for the end of June with Siemens Design phase to commence in July with updates on the existing 275Kv drawings to enable upgrade of existing substation to 400Kv.

Fetteresso Works:

Site Mobilisation and welfare establishment is expected to commence in Q3 2024.

Detailed design has commenced and begun progressing to enable initial construction works to commence in Q3 2024.

Kintore Works:

Continuation of the GIB installation. Full commencement of the GIS manufacturing.

The replacement of the XH1 & CDX2 OHL circuits to underground cable will continue and it is planned to install the new 275kV cable to CDX2 and then to commence on XH1 replacement.

OHL:

Year 2 tower reinforcement and wiring programme to continue, foundation upgrades expected to complete in 2024.

Additional Comments:

Project under review



TORI SHET-RI-106b - Connagill 2nd SGT	Scheme Connagill 2nd SGT
Overview of Works At Connagill substation, install a 2nd 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	31/10/2026
Summary of works in last quarter: Finalise Substation Tender Documents Commercial and Contracting Strategy finalised.	
Summary of works in next quarter: Issue Substation Tender with Contract Award planned for October 2024. Update Governance documentation.	
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	30/11/2028
Summary of works in last quarter: Initial Works detailed design ongoing.	
Summary of works in next quarter: Complete Initial works detailed design.	
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 400/132 kV Substation Additional SGTs	Scheme Melgarve 400/132 kV Substation Additional SGTs
Overview of Works At Melgarve substation (established under SHET-RI-085a and SHET-RI-085b), install an additional two 480MVA SGTs to enable the connection of wind generation in the area.	
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	Q1 2025
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Q3 2024
Project Completion Date	26/01/2029
Summary of works in last quarter: Preparation for public consultation event Switching Station – Development of Environmental Appraisal (EA) OHL – Alignment design & development of Environmental Appraisal (EA) UGC – Alignment design Subsea Cable – CBRA	
Summary of works in next quarter: Continuation of activities	
Additional Comments: N/A	



TORI SHET-RI-117 - Tealing 275kV Busbar Upgrade	Scheme Tealing 275kV Busbar Upgrade
Overview of Works At Tealing remove the existing 275kV 2500A rated busbar and replace with a new 4000A rated 275kV double busbar complete with two bus couplers, one bus section and busbar selection on all feeder bays.	
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 3 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: Drawings are currently being approved and preparation is happening for mobilisation on site.	
Summary of works in next quarter: Civil works will be taking place over the next quarter	
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	Awaiting Project Team
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 with alternative options being reviewed.	
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: <ul style="list-style-type: none"> - Commencement of OHL routing exercise - Initial site surveys undertaken Undertake development of substation connection arrangement	
Summary of works in next quarter: <ul style="list-style-type: none"> - Progress development of substation connection arrangement - Liaise with statutory and non-statutory stakeholders - Agree proposed route to take forward to alignment selection stage 	
Additional Comments: N/A	



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



TORI SHET-RI-126 - Kergord - Yell 132kV 2nd Connection	Scheme Kergord - Yell 132kV 2nd Connection
Overview of Works On Shetland install a new 2nd 132kV single circuit between the Kergord 132kV substation (established as part of SHET-RI-053) and the South Yell Switching Station (constructed as part of SHET-RI-116), to enable the connection of renewable generation.	
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 2 nd circuit is required
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-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: <ul style="list-style-type: none"> Continued cable ground investigation and ecology surveys. Concluded marine cable route surveying. Undertook Pre-Application Consultation 2 events for both Netherton and Banniskirk hub developments. Continued refining of both onshore and offshore cable routes. Progressed procurement of Tier 1 contracts Progressed designs for both converter (and Hub) sites including buildings, platform and drainage 	
Summary of works in next quarter: <ul style="list-style-type: none"> Conclude land agreements Conclude all cable route surveys Conclude cable route alignments (c.50m corridor onshore & 200m marine) Progress cable crossing agreements with third party asset owners Undertake statutory consultation events for marine cable route and landfalls (Q2/3 2024). Undertake information events for refined land cable routes (Q2/3 2024). Progress further design for converters and cable system Submit planning applications for both Netherton and Banniskirk (as part of multi-project strategy) 	
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	Development
Next Project Phase	Refinement
Next Stakeholder Event	
Project Completion Date	01/07/2026
Summary of works in last quarter: Transformer contract award in progress.	
Summary of works in next quarter: Issue ITT (Instruction to Tender) to framework contractors.	
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 & Crarae. Provide connection to the existing wind farms via 33kV cable works. (Operational through existing S/S). The existing 132kV substations will be decommissioned & dismantled except for the wind farm 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	TBC
Project Completion Date	31/10/2028
Summary of works in last quarter: Achieving signoff for pre commencement consenting conditions, issuance of construction contracts.	
Summary of works in next quarter: Completion of enabling/forestry works upon conclusion of land deals. Mobilization of Contractor to start site setup/construction works.	
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	18th June 2024
Project Completion Date	31/10/2028
Summary of works in last quarter: Preparing for the site mobilisation to progress with the construction works.	
Summary of works in next quarter: Tree felling works complete. Contractor mobilising to site to establish site set up in preparation for main earth works May 24.	
Additional Comments: N/A	



TORI SHET-RI-131 - Brechin 132kV Extension	Scheme Brechin 132kV Extension
Overview of Works Construct 2 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: On hold while alternative options are reviewed.	
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 – Beauly-Denny 2 nd Circuit upgrade from 275kV to 400kV	Scheme Beauly-Denny 2 nd Circuit upgrade from 275kV to 400kV
Overview of Works Upgrade the existing Beauly / Fasnakyle / Fort Augustus / Tummel-Kinardochy / Braco West / Bonny Bridge 275kV circuit to 400kV, mirroring the ratings of the existing 400kV circuit, along the route.	
Proposed Consent Submission	Q2/Q3 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Q2 2024
Project Completion Date	31/10/2029
Summary of works in last quarter: <u>Kinardochy Underground Cable (UGC)</u> Distribute letters to effected stakeholders within the area. Mark out cable alignment/wayleave corridor on site to allow landowner to plant trees. Allow Contractor to progress with design of cable alignment. <u>Fort Augustus substation</u> Preparation of planning application to the Highland Council and notification of Section 37 exemption. Issue of Part A Works Information packages with substation and OHL contractors. Final surveys on site and detailed design stages. <u>Cambushinnie 400kV substation</u> First PAC consultation event undertaken in March 2024 with feedback from public to be used to update substation design if necessary. PAC2 event scheduled for June 2024. Finalisation of environmental surveys ahead of planning submission in late Q3. Finalisation of early contractor engagement works by substation & OHL contractors. Preparation and submission of Works Information packages to substation Contractor for refinement design stage, with preparation of OHL works information package. Design works underway for the haul road, including surveys for the flood risk study. <u>Bingally (formerly Fasnakyle) 400kV substation</u> Submission of substation Pre-Application Notice. First PAC consultation events to be undertaken with feedback from public to be used to update substation design if necessary. Continuation of environmental surveys ahead of planning submission in Q3. Finalisation of early contractor engagement works by substation & OHL contractors. Preparation and submission of Works Information packages to substation and OHL Contractors for refinement design stage.	
Summary of works in next quarter:	

Kinardochy Underground Cable (UGC)

Work to progress within the Early Contractor Engagement (ECE) phase as the cable route and alignment are being designed.

Survey results (including LiDAR) of the cable route will be used to determine and confirm the cable alignment.

An Environmental Assessment will be carried out within the area to help identify any environmental constraints.

Once the cable alignment is confirmed and a design freeze is achieved, letters will be distributed to effected stakeholders within the area.

Fort Augustus substation

Return of Part A tenders for substation and OHL, with commencement of Part A refinement design works, including further ground investigation anticipated in Q3 2024.

Submission of planning application to local authority and S37 submission in early Q3 2024.

Cambushinnie (formerly Braco West) 400kV substation

Second PAC consultation event to be undertaken. Any further feedback from public to be used to update substation design if necessary.

Finalisation of the environmental assessments for the substation design with planning submission late Q3 2024.

Return of substation and OHL tenders for Part A works information packages.

Ground investigation works to commence Q3 2024 for the proposed haul road alignment.

Finalisation of the flood risk study late Q3 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 to be undertaken. Any further feedback from public to be used to update substation design if necessary.

Finalisation of environmental surveys ahead of planning submission in Q3.

Return tenders from substation and OHL Contractors for Part A Works Information packages.

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 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Q2 2024
Project Completion Date	31/10/2029
Summary of works in last quarter: Submission of substation Pre-Application Notice. PAC consultation events to be undertaken with feedback from public to be used to update substation design if necessary. Continuation of environmental surveys ahead of planning submission in Q3. Finalisation of early contractor engagement works by substation & OHL contractors. Preparation and submission of Works Information packages to substation and OHL Contractors for refinement design stage.	
Summary of works in next quarter: Second PAC consultation event to be undertaken. Any further feedback from public to be used to update substation design if necessary. Finalisation of environmental surveys ahead of planning submission in Q3. Return tenders from substation and OHL Contractors for Part A Works Information packages.	
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: This project is on hold, with connection to the new Blackhillock 2 400kV substation (Coachford) proposed through diversion of existing line, rather than new connection at existing Blackhillock substation.	
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	01/11/2024
Current Project Phase	Design
Next Project Phase	Consenting
Next Stakeholder Event	September 2024 (final alignment events)
Project Completion Date	31/10/2030
Summary of works in last quarter: Completion of two rounds of public consultation (Refined Route in March and Proposed Alignment in June) with associated design development. Ongoing engineering and environmental surveys. Ongoing discussions with landowners.	
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 towards end of next quarter. Progress Environmental Impact Assessment in preparation for submission of Section 37 notice. Commence land negotiations with impacted landowners. Commence initial GI works.	
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. 4 new GIS Bays and associated GIB to design, procure, install and commission.	
Proposed Consent Submission	N/A
Current Project Phase	Refinement
Next Project Phase	Execution
Next Stakeholder Event	N/A
Project Completion Date	Q3/Q4 2026
Summary of works in last quarter: GIS Supplier to progress with detailed design, procurement of raw materials and proceed with manufacturing. Complete tender process and enter into Contract with installation Contractor. Refine delivery price and programme and schedule date for internal approval for full execution funding.	
Summary of works in next quarter: Enter into Contract with GIS installation Contractor, assign delivery Project Manager, progress with detailed design including GIB routing options.	
Additional Comments: Works to be delivered as two separate Contracts – GIS Supply and separate installation Contractor.	



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 National Grid.	
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 275 kV Substation Redevelopment	Scheme Thurso South 275 kV Substation Redevelopment
Overview of Works Redevelop the existing Thurso South 275 kV substation into a new 275 kV 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 - 2 x 1GW HVDC Links	Scheme Caithness to New Deer 2 - 2 x 1GW HVDC Links
Overview of Works Construct 2 x 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: 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: 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 comprised of 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: Cable access track works, cable duct installation and cable joint bays construction activities all ongoing. Horizontal directional drill activities were ongoing through this period. Overhead line wood pole installation continued moving south. Wiring works continued through this period. Helicopter operations continued to distribute materials to the pole installation and the wiring works during the period.	
Summary of works in next 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.	
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: <ul style="list-style-type: none"> - PAC 2 Events - Design Authority Review of Engineering Contractor submission. - Commence land negotiations. 	
Summary of works in next quarter: <ul style="list-style-type: none"> - Completion of Development Phase - Handover to Project Delivery - Part A Contract Award - Submission of Town & Country Planning 	
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 National Grid.	
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: The project continued to work towards Design Freeze and EIA. A further PAC event will be for the project will be June '24, where the public will have the opportunity to provide feedback on the proposed development.	
Summary of works in next quarter: <ul style="list-style-type: none"> • Continue design refinement to secure voluntary negotiations. • Complete EIA and required surveys. • Engagement of contracting partner for Part A works • Planning application submission Q3 '24. 	
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	September 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Summer 2024
Project Completion Date	31/10/2031
Summary of works in last quarter: Foundation intrusive surveys and ground investigations will continue, both expected to be complete by end of June. Section 37 consenting proposal and planning application paperwork being prepared. EIA complete ready for submission. Access tracks and foundation upgrades identified and designed.	
Summary of works in next quarter: Ongoing ground investigations and foundation intrusive surveys concluding towards the end of July. Based on final access track requirements, the EIA is being completed for submission towards in early Autumn. Land rights are being secured based on the increased voltage and access track requirements.	
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	September 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Summer 2024
Project Completion Date	31/10/2031
Summary of works in last quarter: Foundation intrusive surveys and ground investigations will continue, both expected to be complete by end of June. Section 37 consenting proposal and planning application paperwork being prepared. EIA complete ready for submission. Access tracks and foundation upgrades identified and designed.	
Summary of works in next quarter: Ongoing ground investigations and foundation intrusive surveys concluding towards the end of July. Based on final access track requirements, the EIA is being completed for submission towards in early Autumn. Land rights are being secured based on the increased voltage and access track requirements.	
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: All key materials have been procured in the period. Ground investigation works commenced and will be complete this quarter. Detailed design is ongoing, and this will identify where, if any, foundation upgrades and tower strengthening works are required.	
Summary of works in next quarter: Complete detailed design of proposed 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: Initial high-level project development ongoing, 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: Works are being progressed in conjunction with Salamander Offshore Windfarm development.	



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 converter station in the vicinity of Noss Head in Caithness.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	N/A
Project Completion Date	26/01/2029
Summary of works in last quarter: Carry out system studies to define requirements. Engage with supply chain to understand capabilities.	
Summary of works in next quarter: Power System studies to be carried out and technical requirements to be further developed.	
Additional Comments:	



TORI SHET-RI-153 - Spittal 2 400kV Substation	Scheme Spittal 2 400kV Substation
Overview of Works Construct a new 400 kV substation 'Spittal 2' close to the existing Spittal 275 kV substation in Caithness.	
Proposed Consent Submission	June 2024
Current Project Phase	Development (Gate 1-2)
Next Project Phase	Delivery/Refinement (Gate 2-3)
Next Stakeholder Event	June 2024
Project Completion Date	31/10/2028
Summary of works in last quarter: <ul style="list-style-type: none"> - Ongoing environmental and engineering surveys and assessments - PAC2 Event - Stakeholder Engagement - Design Development 	
Summary of works in next quarter: <ul style="list-style-type: none"> - Secure land agreements - Conclude EIA - Submit planning 	
Additional Comments: N/A	



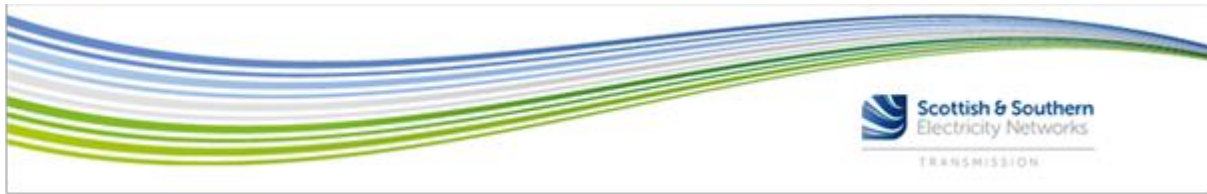
TORI SHET-RI-155 - Peterhead - Persley Tee 275kV Works	Scheme Peterhead - Persley Tee 275kV Works
Overview of Works Overhead line works to bring the VP 275kV overhead line circuit to ground, including any required tower modifications. Design and installation of one 275kV bus bar including a circuit breaker 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's 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	31/05/2027
Summary of works in last quarter: Overhead line design freeze Substation design freeze	
Summary of works in next quarter: Submission of Section 37 application for Overhead line Engage Ground investigation contractor for Overhead line tower foundations.	
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	01/07/2024
Project Completion Date	TBC
Summary of works in last quarter: Evaluation of alternative options with Customer.	
Summary of works in next quarter: Continued engagement with Customer	
Additional Comments: Due to ASTI impact and updated SLD from SP&I 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, this means 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 project referred to System Planning & Investment (SP&I) engineering to advise of a new point of connection.	



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 of 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 0MW.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2030
Summary of works in last quarter: On going preparation of System Requirements Document	
Summary of works in next quarter: On going 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	01/07/2024
Project Completion Date	TBC
Summary of works in last quarter: Evaluation of alternative options with Customer.	
Summary of works in next quarter: Continued engagement with Customer	
Additional Comments: Due to ASTI impact and updated SLD from SP&I 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, this means 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 project referred to SP&I to advise of a new point of connection. A change request was submitted to enable scope change.	



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	August 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: EA works completed Finalise OHL Design	
Summary of works in next quarter: Section 37 to be submitted for OHL Engage Substation & OHL contractor Engage GI works contractor	
Additional Comments: N/A	



TORI SHET-RI-170 – 3 rd SGT at Keith 275/132kV	Scheme 3 rd SGT at Keith 275/132kV
Overview of Works Install a new 480MVA 275/132/33kV SGT at Keith 132kV Substation and approx. 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: Alternative options currently being assessed.	
Summary of works in next quarter: Ongoing on assessment and update expected in next quarter.	
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 farms to the existing Melgarve substation.	
Project Completion Date	30/07/2027
Proposed Consent Submission	30/03/2024
Current Project Phase	Design
Next Project Phase	Consenting
Next Stakeholder Event	N/A
Summary of works in last quarter: Submission of s37 consent application. Engagement with Design Contractors.	
Summary of works in next quarter: Continuing to engage with design contractors and submit s37 consent application.	
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, 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 windfarms.	
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: Project scope to be revised following acceptance of new connection applications, strategy review in place.	
Summary of works in next quarter: Design development of the updated scope, following re-issue of the SRD.	
Additional Comments: N/A	



TORI	Scheme
SHET-RI-177 - Tomatin Additional SGTs	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	30/10/24 TBC
Project Completion Date	31/10/2028
Summary of works in last quarter: Assess Environmental studies on proposed options. Continue Engineering design options.	
Summary of works in next quarter: Public website to be set up. Going through internal review Gate 1	
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: There is an ongoing investigation by system planning on preparation of different possible options to accommodate all the current and future accretions. Current scope of work is unclear prior to have this investigation finalized.	
Summary of works in next quarter: Scope of project is to provide connection for Keith Solar to 275kV Blackhillock to Kintore OHL. The ESO'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 ESO's strategy.	
Additional Comments:	



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: PAC2 Event Continued engineering design of the substation by ECE contractor.	
Summary of works in next quarter: Environment Impact Assessments Substation design by ECE contractor Planning in Principle submissions	
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: PAC2 Event Continued engineering design of the substation by ECE contractor.	
Summary of works in next quarter: Environment Impact Assessments Substation design by ECE contractor Planning in Principle submissions	
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 400 kV 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	June 2024
Project Completion Date	August 2030
Summary of works in last quarter: <ul style="list-style-type: none"> - Alignment assessments and development - Alignment consultation events - Ongoing environmental and engineering surveys, studies and assessments - Stakeholder engagement 	
Summary of works in next quarter: <ul style="list-style-type: none"> - Concluding in selection of preferred alignment. - Undertake Ground Investigation surveys. - Progress through Scoping Stage of consenting process and undertake EIA assessment. 	
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	September 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: Submit PAN notice Held PAC1 events for project Environmental assessment ongoing Traffic, drainage and flood assessment activities commenced	
Summary of works in next quarter: Hold PAC2 event Submit planning application for consent Engage Demolition Contractor Complete initial GI works	
Additional Comments:	



TORI SHET-RI-184-Coupar Angus 2 Tee V2	Scheme Coupar Angus 2 Tee V2
Overview of Works Establish 2x new 132 kV tee points of the HCS/HCN circuits between Coupar Angus GSP and Tealing/Charleston Tee for the connection to a new Coupar Angus 2 132/33 kV GSP substation.	
Proposed Consent Submission	30/09/2025
Current Project Phase	Optioneering
Next Project Phase	G1
Next Stakeholder Event	TBD
Project Completion Date	31/08/2029
Summary of works in last quarter: Commence environmental surveys Commence engineering works.	
Summary of works in next quarter: Site selection to progress.	
Additional Comments:	



TORI SHET-RI-185- Kintore - Tealing 400 kV OHL	Scheme TKUP - Kintore - Tealing 400 kV 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	Q4'2024 / Q1' 2025
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	Q3' 2024
Project Completion Date	31/10/2030
Summary of works in last quarter: <ul style="list-style-type: none"> • Development of OHL routes alignments including stakeholder engagement events which took place on March '24. • Ongoing environmental and engineering surveys, studies and assessments. • Engagement with stakeholders with proposed access arrangement. 	
Summary of works in next quarter: <ul style="list-style-type: none"> • Alignment consultation • Concluding in selection of preferred alignment. • Undertake Ground Investigation surveys. • Progress through Scoping Stage of consenting process and undertake EIA assessment. 	
Additional Comments: Following the recent consultation on the Kintore-Tealing 400kV overhead line project, SSEN Transmission can confirm it is actively considering overhead line alignments proposed by community representatives and landowners.	



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: Project kicked off this month and site selection process underway, engineering studies, Environmental appraisal.	
Summary of works in next quarter: Site Selection, routeing, engineering studies & 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 at install 2x240MVA 400/132kV transformers. Construct a new 132kV double circuit overhead line from New Deer 2 to St Fergus substation (Approx. 26 km). St Fergus Substation (SHET-RI-187) Install 2 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: 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-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: Engineering studies Environmental appraisals	
Summary of works in next quarter: This Project is on hold.	
Additional Comments: Pause on development activity on this project following 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 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. Install a new double circuit 132kV double circuit between the new 132kV switching collector station and Strathy Wood Wind Farm substation to enable the connection of renewable generation.	
Proposed Consent Submission	September 2024
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: Development of OHL routes alignments including stakeholder engagement events concluding in selection of preferred alignment. Complete Ground Investigation surveys. Continue EIA assessment and consent application preparation.	
Summary of works in next quarter: Continue EIA assessment and consent application preparation.	
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 on Lewis 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 & AC substation Pre Application Consultation 1 event (PAC1) Sept 2024
Project Completion Date	April 2031
Summary of works in last quarter: Select new site for converter and substation on Lewis (after original preferred site ruled out due to unwilling grantor) Confirm land requirements for new converter & substation site and undertake design works for selected site on Lewis. Completed Marine survey of offshore cable route and inshore surveys at landfall locations. Commenced EIA scope on Lewis for new preferred site. Confirmed allocation of civil contractors for platform, construction and cable ducting. Awarded ECI contract to converter OEM	
Summary of works in next quarter: Commence GI Works on Lewis for new converter station / substation site Undertake mainland cable GI works Secure land for new converter and substation site on Lewis Award Framework and ECI contracts for civils (Lots 1, 2 and 3) Award Framework and ECI contract for cables OEM Continue with EIA scope on Lewis for new preferred site Issue PAN to local planning authority on Lewis & hold initial consultation event (PAC1)	
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	Summer 2024
Current Project Phase	Design
Next Project Phase	Planning Application submission and Design
Next Stakeholder Event	19 th and 20 th June 2024
Project Completion Date	2030
Summary of works in last quarter: <ul style="list-style-type: none"> • Consultation events March for PAC 1. • Progression of possible voluntary land purchase negotiations. • Environmental surveys to start in March 2024. • Design to progress to 2C planning design freeze. • Part A WI drafted and submitted to preferred contractor for review and pricing. 	
Summary of works in next quarter: <ul style="list-style-type: none"> • Continue design refinement to secure voluntary negotiations. • Complete EIA and required surveys. • Engagement of contracting partner for Part A works • Planning application submission 	
Additional Comments: RLB submission for PAN has resulted in increased public contacts and press releases into local area with negative impression of land take. Replies to this have been submitted through required routes to advise on PAN boundary and its relation to final site size. E.g. PAN boundary is larger than that of final development. Updated Planning Boundary will be issued at PAC event 2 with reduced footprint to that used at PAC1	



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 Beaully (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 Beaully.	
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: Continued 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	Jan / Feb 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: Continue review for allocation against incoming projects and connection dates.	
Summary of works in next quarter: Project on awaiting allocation to development PM resource and identification of required 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: Continuation of high-level project development, along with initial internal governance activities.	
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	30/07/2024
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: PAC 2 consultation events were held in May 2024. The EIA is continuing it's development, with a target completion in September 2024. 2B and 2C Planning Deliverables have been received from SEBAM, with all SSEN comments returned on these. Final Factual Report for the Ground Investigations has now been received and will be issued to SEBAM to progress remaining 2C Deliverables. Gate 2 DAR has been held, with the project team focusing on the close out of any actions.	
Summary of works in next quarter: Part A Works Information to be issued. PAR to be held for the project in July 2024. All governance documentation to be finalised ahead of progressing through the Gate 2.	
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	August 2024
Current Project Phase	Development
Next Project Phase	Refinement
Next Stakeholder Event	June 2024
Project Completion Date	31/07/2029
Summary of works in last quarter: <ul style="list-style-type: none"> - Ongoing environmental and engineering surveys and assessments - PAC2 Event - Stakeholder Engagement - Design Development 	
Summary of works in next quarter: <ul style="list-style-type: none"> - Secure land agreements - Submit EIA 	
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 Foyers Substation Extension and Connection to Loch Kemp 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. Construct a 275kV busbar with three bays at the Loch Kemp 275kV/18kV Substation. The Loch Kemp Pumped Storage 275/18kV Substation will be connected to the existing Foyers 275kV Substation by approximately 10.5km of single circuit 275kV underground cable.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
Project Completion Date	31/10/2030
Summary of works in last quarter: N/A.	
Summary of works in next quarter: N/A.	
Additional Comments: Current scope of works being reviewed.	



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' 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: The project continued to work towards Design Freeze and EIA. Ground Investigation works completed on site. A further PAC event will be for the project will be June '24, where the public will have the opportunity to provide feedback on the proposed development.	
Summary of works in next quarter: <ul style="list-style-type: none"> • Continue design refinement to secure voluntary negotiations. • Complete EIA and required surveys. • Engagement of contracting partner for Part A works • Planning application submission Q3 '24. 	
Additional Comments: RLB submission for PAN has resulted in increased public contacts and press releases into local area with negative impression of land take. Replies to this have been submitted through required routes to advise on PAN boundary and its relation to final site size. E.g. PAN boundary is larger than that of final development. Updated drawings will be issued at PAC event 2 with reduced footprint to that used at PAC1. 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 Fetteresso 132kV Busbar 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 high-level project development, along with initial internal governance activities. AECOM engaged to carry out environmental consultant work, land team progressing purchase of large area surrounding substation.	
Summary of works in next 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 rebase lined.	
Additional Comments:	



TORI SHET-RI-205 - New East Coast 275 kV Substation	Scheme New East Coast 275 kV Substation
<p>Overview of Works</p> <p>Decommissioning of the existing Fiddes 132/33 kV 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 spared. 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 132 kV single circuit overhead line between Craigiebuckler/Tarland/ Fiddes Tee Point and Brechin substation (CF-FB circuits).</p> <p>Construction of a new 275 kV 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 275/132 kV 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 275/132 kV 240 MVA SGTs at Brechin 275 kV substation including two 275 kV circuit breakers, two 275 kV line isolators, two 132 kV circuit breakers and two 132 kV line isolators to interconnect Brechin 275 kV and 132 kV substations.</p> <p>Construction of two 132 kV circuit breakers and four 132 kV line isolators at Brechin 132 kV substation to interconnect Brechin 275 kV and 132 kV substations.</p> <p>Construction of approximately 4.5 km of 132 kV 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:</p> <p>Continuation of high-level project development, along with initial internal governance activities.</p>	
<p>Summary of works in next quarter:</p> <p>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 132 kV single circuit between a Tee point for both Creachan and Ceislein Wind Farm and Fyrish 275/132 kV substation to enable the connection of renewable generation.	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder Event	
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 of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-210 Corriemoillie 2T0	Scheme Corriemoillie 2T0
Overview of Works Construction of a new 33 kV feeder bay and 33 kV single busbar from GT2 at Corriemoillie substation, including reconfiguration of the existing 33 kV 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: The drawings are currently being submitted for approval	
Summary of works in next quarter: Preparation is ongoing for mobilisation to site the Civil works will commence in the next quarter	
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 132 kV 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	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	30/09/2030
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-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.	
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:	



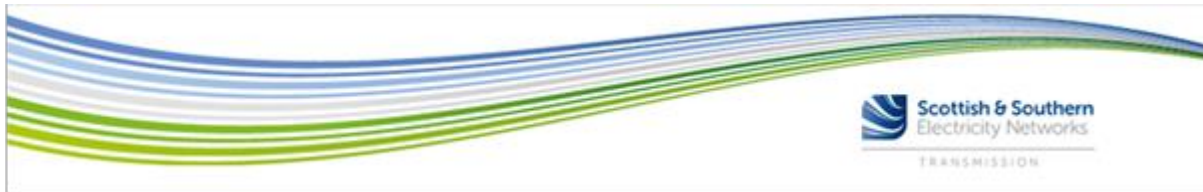
TORI SHET-RI-226 - Craigiebuckler to Tarland 132kV Line Works-V1	Scheme Craigiebuckler to Tarland 132kV Line Works-V1
Overview of Works Establish a new 132 kV tee point of the Craigiebuckler to Tarland CLS circuit. This will require 3x 132kV line disconnectors and 1x 132kV line circuit breaker. Additionally, 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:	



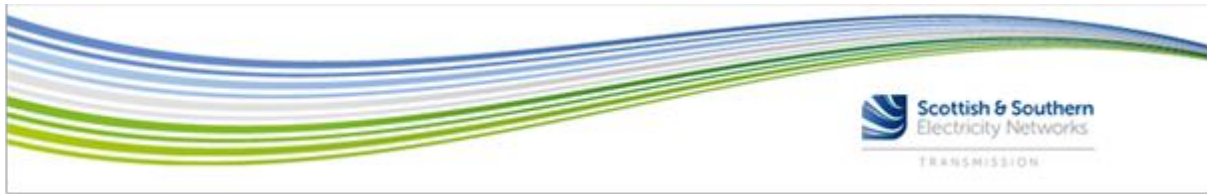
TORI SHET-RI-230 - Dalchork to Loch Buidhe 132kV second Double Circuit	Scheme Dalchork to Loch Buidhe 132kV second Double Circuit
Overview of Works Construction of ~17 km 132 kV double circuit between Dalchork - Loch Buidhe substations with same rating OHLs as of existing double circuit i.e. 414 MVA 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: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



TORI SHET-RI-233 - Arnish to Balallan 132 kV second Single Circuit	Scheme Arnish to Balallan 132 kV second Single Circuit
Overview of Works Construct a second 132 kV 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 working through pre planning phase and to progress through Gate 0	
Summary of works in next quarter: Project assessment at Development team to be undertaken and allocation of resources to be determined.	
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 3x 275kV line disconnectors and 1x 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 nearby to the Coupar Angus area. The proposed location for this busbar compound will 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, 4x 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: Continuation of high-level project development, along with initial internal governance activities.	
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:	



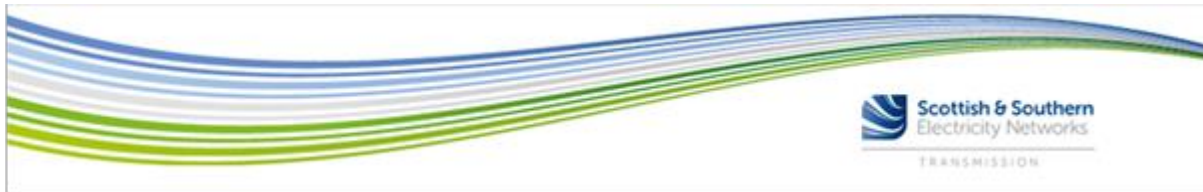
TORI	Scheme
SHET-RI-239 – Sloy 132kV Cross Boundary LMS	Sloy 132kV Cross Boundary LMS
Overview of Works The provision of signals from Sloy switching station to SPT for inclusion in a Load Management.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion Date	31/10/2025
Summary of works in last quarter: 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:	



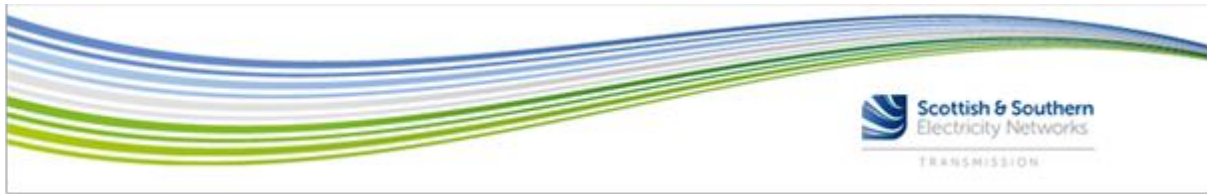
TORI SHET-RI-240 - Morar 400kV Substation	Scheme Morar 400kV Substation
Overview of Works Construct a new 400kV breaker and a half substation complete with six 400kV circuit turn in to connect the new substation to the Transmission system	
Proposed Consent Submission	TBD
Current Project Phase	Initial 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 2x400kV 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: 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-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 nearby the Garlogie area. Installation of a new 275kV bay at Kintore 275kV substation. This bay availability will be subject to HNDfUE, where it is currently proposed that some 275kV bays may become available due to the Kintore to Persley/Peterhead circuits may be 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 (Approx 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: Cable access track works, cable duct installation and cable joint bays construction activities all ongoing. Horizontal directional drill activities were ongoing through this period. Overhead line wood pole installation continued moving south. Wiring works continued through this period. Helicopter operations continued to distribute materials to the pole installation and the wiring works during the period.	
Summary of works in next 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.	
Additional Comments: Tori created to split costs works 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: 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-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: 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-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: 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-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	31/10/2035
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-258 – Tealing 400kV Busbar Extension	Scheme 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.	
Summary of works in next quarter: Continuation of high-level project development, along with initial internal governance activities including agreeing total scope.	
Additional Comments:	



TORI SHET-RI-261 - Beinneun Tee to Fort Augustus 132kV Reinforcement	Scheme Beinneun Tee to Fort Augustus 132kV Reinforcement
Overview of Works Replace the existing PL16 tower line from the Beinneun Tee point to 132kV Fort Augustus Substation with a new line L7 tower line.	
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-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:	



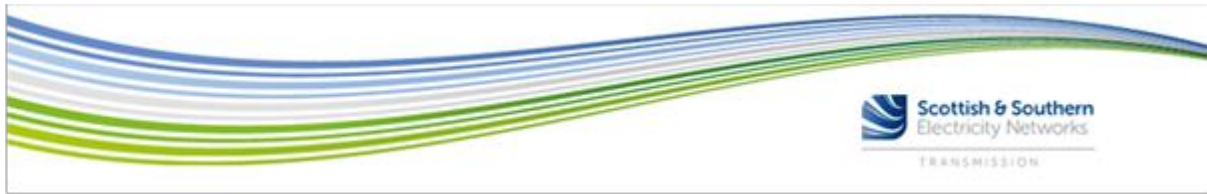
TORI	Scheme
SHET-RI-263 – Taynuilt 132kV busbar	Taynuilt 132kV busbar
Overview of Works	
Establish a new 132kV single busbar at Taynuilt substation.	
Proposed Consent Submission	TBD
Current Project Phase	Initial internal governance
Next Project Phase	Optioneering
Next Stakeholder Event	TBD
Project Completion 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:	
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 approx. 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. Please note 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: Continuation of high-level project development, along with initial internal governance activities.	
Additional Comments:	



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 connecting 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 7 bays (and 3 for future) approximately 3km away from existing 275kV Dounreay substation in between existing Dounreay – Thurso South 275kV double circuit.	
Proposed Consent Submission	Proposed Consent Submission
Current Project Phase	Current Project Phase
Next Project Phase	Next Project Phase
Next Stakeholder Event	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 3 km away from the existing 132 kV Corriemoillie substation with 275 kV and 132 kV busbars. Install 2 x 480 MVA, 275/132 kV SGTs at this new substation. Construct an approximately 20 km of 275 kV OHL (double circuit) from Corriemoillie substation to existing Beaulay-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: 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:	



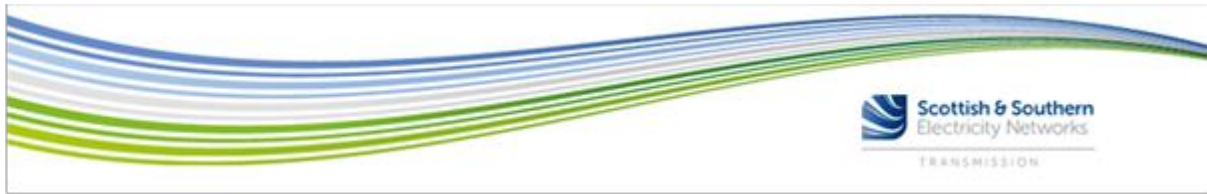
TORI SHET-RI-274 – Lynemore Windfarm substation and OHL Works	Scheme Lynemore Windfarm substation and OHL Works
Overview of Works Construction of the new Lynemore 132kV substation, connecting into the Tomatin – Boat of Garten 132kV 'MAG2' circuit in a "turn in" arrangement. This construction arrangement will turn this into a Tomatin – Lynemore Windfarm – 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:	



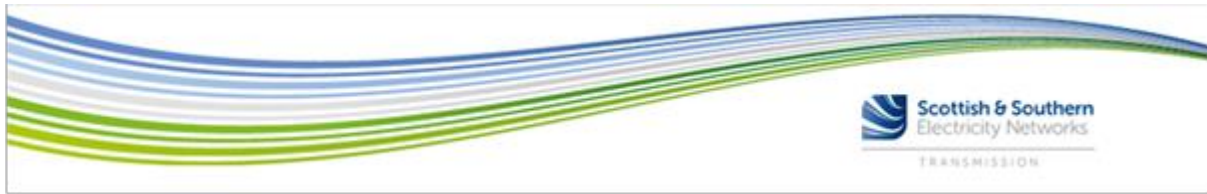
TORI	Scheme
SHET-RI-275 – Shin 2 Tee and OHL Works	Shin 2 Tee and OHL Works
Overview of Works Construction of Switching Station and OHL reinforcement/ construction to support the Tee connection from the new GSP "Shin 2".	
Proposed Consent Submission	
Current Project Phase	
Next Project Phase	
Next Stakeholder 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:	



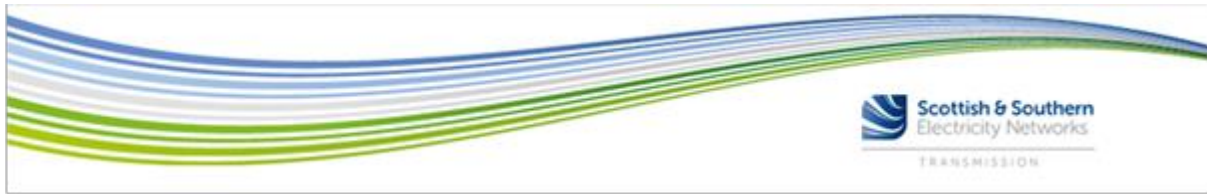
TORI SHET-RI-278- New Craigiebuckler 132kV Substation	Scheme New Craigiebuckler 132kV Substation
Overview of Works This Transmission Owner Reinforcement Instruction proposes the construction of a new 132kV double busbar at a new site near the existing Craigiebuckler 132/33kV GSP.	
Proposed Consent Submission	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 Construction of a new Scatsta 132kV Substation. For this new Substation 3x132kV circuits are required between the Scatsta 132kV Substation and Kergord 132kV Substation.	
Proposed Consent Submission	Q3 2026
Current Project Phase	Opportunity
Next Project Phase	Development
Next Stakeholder Event	Q1 2025
Project Completion Date	31/10/2030
Summary of works in last quarter: Project proceeded through Gate 0 governance	
Summary of works in next quarter: Commencement of site selection process Commencement of corridor selection & routing process	
Additional Comments:	