



**Transmission Owner  
Reinforcement Instruction (TORI)  
Quarterly Update Report Q2  
April 2022 - June 2022**

June 2022



## **Transmission Owner Reinforcement Instruction (TORI)**

### **Quarterly Update Report Q2**

### **April 2022 – June 2022**

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 contacts as Enabling Works or Wider Works.

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

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

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



## Table of Contents

SHET-RI-007a - Beaully - Blackhillock 400 kV Double Circuit OHL .....	6
SHET-RI-007b - Beaully 400 kV Busbar.....	7
SHET-RI-009 - East Coast Onshore 275kV Upgrade .....	8
SHET-RI-013 - North Argyll Substation.....	9
SHET-RI-019 - Dounreay - Orkney 220kV Subsea HVAC Cable Link 1 .....	10
SHET-RI-020 - Dounreay - Orkney 220kV Subsea HVAC Cable Link 2 .....	11
SHET-RI-025a - Peterhead-Rothienorman 400 kV OHL upgrade .....	12
SHET-RI-025b - Eastern Subsea HVDC Link .....	13
SHET-RI-025c - Peterhead 400 kV Busbar .....	14
SHET-RI-025d - North East Reinforcement .....	15
SHET-RI-026 - Blackhillock 275 kV QBs .....	16
SHET-RI-028 – Thurso South to Gills Bay 132kV OHL.....	17
SHET-RI-033 - Second 2 GW East Coast HVDC Link Peterhead to England.....	18
SHET-RI-042 - Western Isles - Beaully HVDC Link .....	19
SHET-RI-043 - Lewis Infrastructure .....	20
SHET-RI-046 - Taynuilt-North Argyll Rebuild.....	21
SHET-RI-050b - Port Ann - Crossaig Reinforcement.....	22
SHET-RI-052 - Lairg-Loch Buidhe 132kV Reinforcement.....	23
SHET-RI-053 - Shetland 600 MW HVDC Link and Kergord 132kV Substation .....	24
SHET-RI-058 - Beaully-Loch Buidhe 275kV OHL Reinforcement.....	25
SHET-RI-059 - Third 2GW East Coast HVDC Link Peterhead to England .....	26
SHET-RI-061 - Skye Overhead Line Reinforcement.....	27
SHET-RI-065a - Beaully 132 kV Substation Redevelopment .....	28
SHET-RI-065b - Beaully 3rd SGT Replacement.....	29
SHET-RI-066 - Fort Augustus Substation 400/275kV Development .....	30
SHET-RI-068 - Fort Augustus -Invergarry-400/132kV Development.....	31
SHET-RI-069 - Kinardochy Reactive Compensation .....	32
SHET-RI-072 - Blackhillock-Kintore 400 kV OHL Upgrade .....	33
SHET-RI-075 - Orkney 132kV Infrastructure Finstown - Ellibster.....	34

SHET-RI-079 - Blackhillock Additional 275/132kV SGTs.....	35
SHET-RI-086 - Craig Murrail Switching Station.....	36
SHET-RI-088 - Loch Buidhe - Dounreay 275kV Reinforcement .....	37
SHET-RI-089 - Farigaig SGT2 Upgrade .....	38
SHET-RI-090 - Coupar Angus - Errochty 132kV Reconductoring.....	39
SHET-RI-093 - East Coast Phase 2 - 400kV Reinforcement .....	40
SHET-RI-098 - Dunoon GL1-GL2 OHL Rebuild .....	41
SHET-RI-105 - Rothienorman s/s & Rothienorman - Kintore Reconductoring .....	42
SHET-RI-106b - Connagill 2nd SGT .....	43
SHET-RI-107 - North Argyll - Inveraray Reinforcement.....	44
SHET-RI-109 - Loch Buidhe - Spittal 132kV Reconductoring.....	45
SHET-RI-111 - Abernethy 132kV Mesh Corner.....	46
SHET-RI-115 - Melgarve 400/132 kV Substation Additional SGTs .....	47
SHET-RI-116 - Kergord - Yell 132kV Connection .....	48
SHET-RI-117 - Tealing 275kV Busbar Upgrade .....	49
SHET-RI-119 - Corriemoillie Transformer Protection Modification .....	50
SHET-RI-120 - East Coast 132kV Upgrade .....	51
SHET-RI-121 - Charleston - Abernethy 132kV Reconductoring .....	52
SHET-RI-123 - Shin - Loch Buidhe 132kV Reconductoring .....	53
SHET-RI-124 - 2nd Shetland HVDC Link Kergord - Rothienorman .....	54
SHET-RI-126 - Kergord - Yell 132kV 2nd Connection .....	55
SHET-RI-127 - Dounreay - Spittal 400 kV Double Circuit Cable.....	56
SHET-RI-128 – Caithness to Peterhead HVDC Link.....	57
SHET-RI-129 - Farigaig SGT1 Upgrade.....	58
SHET-RI-130a - North Argyll - Craig Murrail 275kV Operation.....	59
SHET-RI-130b - Craig Murrail - Crossaig 275kV Operation .....	60
SHET-RI-131 - Brechin 132kV Extension.....	61
SHET-RI-132 - Beaully-Blackhillock High Temperature Reconductoring.....	62
SHET-RI-133 - Loch Buidhe SGT Upgrade.....	63
SHET-RI-134 – Beaully-Denny 2 <sup>nd</sup> Circuit upgrade from 275kV to 400kV.....	64
SHET-RI-135 - Edinbane 132kV Substation .....	65
SHET-RI-136 - Blackhillock 400kV Building Extension .....	66
SHET-RI-137 - Blackhillock-New Deer-Peterhead 400kV OHL.....	67
SHET-RI-138 - New Deer 400kV Busbar Extension.....	68
SHET-RI-139 - 2GW HVDC Link New Deer to England.....	69
SHET-RI-140 - Thurso South 275 kV Substation Redevelopment .....	70

SHET-RI-141 - Spittal to New Deer HVDC Link .....	71
SHET-RI-142 - Caithness to New Deer 2 - 2 x 1GW HVDC Links .....	72
SHET-RI-143 - Kergord - Gremista GSP 132kV Infrastructure .....	73
SHET-RI-144 - New Deer 2 400kV Substation .....	74
SHET-RI-145 - 2GW HVDC Link New Deer 2 to England.....	75
SHET-RI-147 - Tealing 400kV Substation.....	76
SHET-RI-148 - Alyth – Tealing 400kV Reinsulation.....	77
SHET-RI-149 - Tealing – Glenrothes Westfield 400kV Rebuild.....	78
SHET-RI-150 - Inverguie Tee – Peterhead 132kV Reconductoring .....	79
SHET-RI-151 - Peterhead – St Fergus 132kV Line Works - .....	80
SHET-RI-153 - Spittal 2 275 kV Substation .....	81
SHET-RI-155 - Peterhead - Persley Tee 275kV Works.....	82
SHET-RI-165 - Alcemi Substation 400kV Switchgear.....	83
SHET-RI-166 - Tealing – Arbroath 132kV Line Works.....	84
SHET-RI-167 - Keith 275kV Sync Comp .....	85
SHET-RI-168 - Melvich to Connagill 132kV Connection .....	86



<p><b>TORI</b> SHET-RI-007a - Beaully - Blackhillock 400 kV Double Circuit OHL</p>	<p><b>Scheme</b> Beaully - Blackhillock 400 kV Double Circuit OHL</p>
<p><b>Overview of Works</b> Establish a new double circuit 400kV overhead line approximately 110km from Beaully to Blackhillock. The new OHL is connected to the Beaully 400kV AIS busbar and the Blackhillock 400kV GIS busbar.</p>	
<p><b>Project Completion Date</b></p>	<p>31/10/2030</p>
<p><b>Summary of works in last quarter:</b> Optioneering works continued and planned coordination with other Beaully Strategic projects. WSP developed constraint mapping and starting to identify corridor options.</p>	
<p><b>Summary of works in next quarter:</b> Corridors to be developed with supporting documentation prepared for Stakeholder Consultation at the end of next quarter.</p>	
<p><b>Additional Comments:</b> Project is being developed in parallel to SHET-RI-137 Blackhillock – New Deer – Peterhead 400kV OHL with shared project team.  New Beaully 400kV Busbar to be connected to is captured in scope of SHET-RI-007b.</p>	



<b>TORI</b> SHET-RI-007b - Beauly 400 kV Busbar	<b>Scheme</b> Beauly 400 kV Busbar
<b>Overview of Works</b> Construct a new 400kV GIS double busbar at Beauly substation and interface with the existing 275kV busbar. The 400kV double busbar is to comprise of one bus section breaker, two bus couplers, and feeder bays for circuit connections.	
<b>Project Completion Date</b>	30/03/2027
<b>Summary of works in last quarter:</b> See TORI-042	
<b>Summary of works in next quarter:</b> Continuing to develop needs case for proposed works under TORI-042	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-009 - East Coast Onshore 275kV Upgrade	<b>Scheme</b> East Coast Onshore 275kV Upgrade
<b>Overview of Works</b> Establish new busbar Substation at Alyth, to be built at 400kV but initially operate at 275kV, with reactive compensation support. Now includes Errochty Thermal Relay Works scope.  Re-profile the existing Kintore-Tealing-Kincardine 275kV circuits and the existing Tealing-Westfield-Longannet 275kV circuits for higher temperature operation.  Install 275kV Phase shifting transformers on each of the Kintore – Tealing circuits (XT1/XT2) at Tealing substation.	
<b>Project Completion Date</b>	31/10/2023
<b>Summary of works in last quarter:</b> <b>Errochty Thermal Relay Works (LT43):</b> All works complete – no further works required.  <b>OHL Works (LT162):</b> No works undertaken in the last quarter. All works complete to programme.  <b>Alyth Substation Works (LT139):</b> Construction works on both the GIS & Statcom buildings as well as the wider site civil works, has progressed well and to programme. GIS building is now fully clad, and all precast foundations are installed across the site.  <b>Tealing Substation (LT208):</b> Design works progressed well along programme development.	
<b>Summary of works in next quarter:</b> <b>Errochty Thermal Relay Works (LT43):</b> All works complete – no further works required.  <b>OHL Works (LT162):</b> No works planned for next quarter. All works complete to programme.  <b>Alyth Substation Works (LT139):</b> Continue to progress with the construction of both the GIS & Statcom buildings as well as the wider site civil works. Mechanical & Electrical phase will now also commence as structures start to be delivered and installed. Oversee the installation of the DNO supply.  <b>Tealing Substation (LT208):</b> Continue to develop design and commence construction works associated with the installation of the 2 Phase Shifting Transformers.	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-013 - North Argyll Substation	<b>Scheme</b> North Argyll Substation
<b>Overview of Works</b> Establish a new 275/132 kV Substation in North Argyll near the existing Inveraray/Taynuilt 132 kV line route with two 480 MVA 275/132 kV transformers. Space provision only is to be provided for additional feeder bays. Establish a new 275 kV double circuit OHL between Creag Dhubh (North Argyll) substation and Dalmally Substations.	
<b>Project Completion Date</b>	30/04/2026
<b>Summary of works in last quarter:</b> Town & Country Planning Application for Creag Dhubh (North Argyll) substation to be submitted.  Section 37 application to build and operate a new OHL between Creag Dhubh (North Argyll) substation and Dalmally submitted.	
<b>Summary of works in next quarter:</b> Finalise Works Information and progress invitation to tender for initial works (design).	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-019 - Dounreay - Orkney 220kV Subsea HVAC Cable Link 1	<b>Scheme</b> Dounreay - Orkney 220kV Subsea HVAC Cable Link 1
<b>Overview of Works</b> Establish a 220kV HVAC circuit over a distance of approximately 68km between the 275kV GIS substation at Dounreay on the mainland and the new 132kV substation in the vicinity of Finstown on Orkney. The HVAC circuit comprises of approximately 15km of land cable and 53km of subsea cable. Voltage Compensation devices will be installed at both cable ends within the substation compounds at Dounreay and Finstown.	
<b>Project Completion Date</b>	30/04/2025
<b>Summary of works in last quarter:</b> Continue engagement with Orkney developers.	
<b>Summary of works in next quarter:</b> Continue engagement with Orkney developers.	
<b>Additional Comments:</b> N/A	



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



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



<b>TORI</b> SHET-RI-025b - Eastern Subsea HVDC Link	<b>Scheme</b> Eastern Subsea HVDC Link
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2029
<b>Summary of works in last quarter:</b> Received and reviewed PQQ responses Completed GI works at Peterhead Preparation of tenders (RfP) for cable and converter Progressed Head of Terms for Land in Peterhead Received Planning Permission in Principal for Peterhead Converter station	
<b>Summary of works in next quarter:</b> Issue letters to the supply chain notifying success or otherwise in PQQ event Completion of RfPs for cable and converters Progress agreements and consents Secure Land in Peterhead Progress Crown Estate Scotland Lease Agreement Progress NDAs and Crossing Agreements with third parties Prepare for internal governance milestone activities	
<b>Additional Comments:</b> RFP launch to market forecast for 28 <sup>th</sup> July	



<b>TORI</b> SHET-RI-025c - Peterhead 400 kV Busbar	<b>Scheme</b> Peterhead 400 kV Busbar
<p><b>Overview of Works</b></p> <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>	
<b>Project Completion Date</b>	31/10/2023
<p><b>Summary of works in last quarter:</b></p> <p>Wall cladding, louvers, flashing and external doors all completed on SGT4 and SGT5 buildings. Installation of General Electric SGTs, cooler banks, transformers. BBPTD hand over of GIS building to Hitachi prior to GIS and GIB equipment delivery, installation and by HITACHI, commencing May 2022. Completion of steel erection of Tower 90 and 91 for new Overhead Line. 275kV ducting will continue after full design route derogation has been agreed from New 400kV Substation to existing 275kV Substation. Complete installation of AIS plant 275kV-400kV prior to stage one commissioning Jan 2023. Planting completed around perimeter of site. Kerbing to Substation perimeter road and final surfacing.</p>	
<p><b>Summary of works in next quarter:</b></p> <p>All three buildings externally completed with completion of containment works within ongoing. GE-UK are continuing to build the two new 1200MVA SGTs and will be moving to oiling up and commissioning stage late June /early July. Delivery of first half of GIS equipment from Hitachi now due 23rd June Hitachi staff now mobilised to site w/c 23<sup>rd</sup> May. Second batch of GIS equipment due 30<sup>th</sup> June. Two new AVR's will delivered to site 9<sup>th</sup> June and associated installation work will be on going. Despite issues in Sri Lanka, Protection and Control panels will arrive throughout June and July and installation will continue throughout the next 4 months. General civil works will be ongoing with regards final surfacing to footpaths, any remaining foundations poured and infilling of SGT bunds with specified gravel. It is also expected that general upfilling to main platform to finished level will begin in various areas. 275kV ducting will continue to be installed between new and existing Substation.</p>	
<p><b>Additional Comments:</b> N/A</p>	



<b>TORI</b> SHET-RI-025d - North East Reinforcement	<b>Scheme</b> North East Reinforcement
<b>Overview of Works</b> 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 400/132kV, 240MVA SGT’s and two 132/33kV, 120MVA GTs to connect the Rothienorman GSP to the 400kV Rothienorman Busbar.	
<b>Project Completion Date</b>	31/10/2023
<b>Summary of works in last quarter:</b> <b>OHL Works</b> – Complete works on NDR1/NDR2 between Rothienorman and New Deer Substations. Start works on HR1 circuit between Blackhillock and Rothienorman. All works progressing in line with schedule.  <b>Kintore Substation Works</b> – Completion of the building steelwork and cladding installation, Completion of the 2no Transformer oil containment bunds, Commencement of switchgear support foundations, commencement of Transformer manufacture, and continuation of design for the substation protection and control system.  <b>Rothienorman Substation Works</b> – Site set-up is complete; work is underway in the substation compound. Equipment orders are secured and the SGT factory inspections are ongoing and proceeding satisfactorily.	
<b>Summary of works in next quarter:</b> <b>OHL Works</b> - Continue with works on HR1 circuit between Blackhillock and Rothienorman, and on completion commence works on HR2. All works progressing in line with the schedule.  <b>Kintore Substation Works</b> – Completion of the building and equipment bases. Commence installation of electrical equipment. Factory acceptance testing of Transformers with delivery expected in October 2022.  <b>Rothienorman Substation Works - Completion</b> of the SGT bunds on site. Factory Acceptance Tests for the SGT’s	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-026 - Blackhillock 275 kV QBs	<b>Scheme</b> Blackhillock 275 kV QBs (PSTs)
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2026
<b>Summary of works in last quarter:</b> Continued with Design development work, including undertaking of System Studies required, on the project alongside the East Coast 400kV upgrade works in line with programme dates.	
<b>Summary of works in next quarter:</b> Potential suppliers to be engaged to confirm footprint of units, lead times and high-level costing.	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-028 – Thurso South to Gills Bay 132kV OHL	<b>Scheme</b> Thurso South to Gills Bay 132kV OHL
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/03/2026
<b>Summary of works in last quarter:</b> Consent for switching station deferred to Highland Council June Planning Committee Continued engagement with landowners to secure outstanding land agreements. Continued development of Needs Case and CBA (MSIP submission now January 2023).	
<b>Summary of works in next quarter:</b> Engage with Developers further to outcome of CfD4 auction expected in July to ascertain any potential impact on programme. Continued engagement with landowners to secure outstanding land agreements. Continued development of Needs Case and CBA (MSIP submission now January 2023).	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-033 - Second 2 GW East Coast HVDC Link Peterhead to England	<b>Scheme</b> Second 2 GW East Coast HVDC Link Peterhead to England
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2031
<b>Summary of works in last quarter:</b> Continued development of initial needs case scope.	
<b>Summary of works in next quarter:</b> Continuation high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-042 - Western Isles - Beaulieu HVDC Link	<b>Scheme</b> Western Isles - Beaulieu HVDC Link
<b>Overview of Works</b> Establish a 600MW HVDC link with associated equipment and converter stations between the Western Isles (Arnish on Lewis) and the 400kV double busbar at Beaulieu (established under SHET-RI-007b). The HVDC cable is to be approximately 79km of subsea cable, and approximately 80km of land cable. The HVDC infrastructure will interface with a new 132kV double busbar at Arnish (Lewis) and the 400kV double busbar at Beaulieu.	
<b>Project Completion Date</b>	30/03/2027
<b>Summary of works in last quarter:</b> Held initial Pre-App discussion with the Highland Council Progress site selection at Mainland Converter Station Public consultation planning for Arnish Converter Station. Re-validation of cable routing through independent RAG assessment Advanced land assembly strategy for cable route wayleaves. Agree Land Options for Mainland Converter Station options Agree Heads of Terms with HIE for Arnish Converter Station Preparation of Final Needs Case	
<b>Summary of works in next quarter:</b> Submission of FNC based on successful CfD for EDF. Progress project activities and advance contractor consultation.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-043 - Lewis Infrastructure	<b>Scheme</b> Lewis Infrastructure
<b>Overview of Works</b> Build a new 132kV single circuit OHL between existing Stornoway substation, the new Arnish substation (provided under SHET-RI-042 - Western Isles - Beaully HVDC Link) and a new AC switching station at Balallan on the Isle of Lewis.  Dismantle the existing 132kV single circuit OHL between Balallan and the existing Stornoway substation.	
<b>Project Completion Date</b>	30/03/2027
<b>Summary of works in last quarter:</b> Discussions on how best to proceed with project continued.	
<b>Summary of works in next quarter:</b> Continuing discussions on how best to proceed with project.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-046 - Taynuilt-North Argyll Rebuild	<b>Scheme</b> Taynuilt-North Argyll Rebuild
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2028
<b>Summary of works in last quarter:</b> Project on hold.	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-050b - Port Ann - Crossaig Reinforcement	<b>Scheme</b> Port Ann - Crossaig Reinforcement
<b>Overview of Works</b> Reinforce the 132kV Transmission Network in the Kintyre Peninsula. Rebuild approximately 48km of double circuit OHL between Port Ann and Crossaig. The towers will be built for 275kV operation, but initially operated at 132kV.	
<b>Project Completion Date</b>	31/10/2023
<b>Summary of works in last quarter:</b> Timber felling and extraction activities continue and are nearing completion. The construction of access tracks and tower foundations continued in line with programme with 60 foundations and 18 towers completed. The Crarae Substation double circuit substation outage works completed and energised on schedule.	
<b>Summary of works in next quarter:</b> Key activities for the next quarter are focused on the installation of the primary and secondary protection equipment at An Suidhe Substation as well as continuing access track, tower foundations and tower erection on the overhead lines.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-052 - Lairg-Loch Buidhe 132kV Reinforcement	<b>Scheme</b> Lairg-Loch Buidhe 132kV Reinforcement
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	24/06/2022
<b>Summary of works in last quarter:</b> Close out of any outstanding construction works and completion of the substation access road & landscaping of the surrounding areas. Completion of the Stage 1 and then Stage 2 (final) commissioning and energisation of Dalchork Substation.	
<b>Summary of works in next quarter:</b> Close out the outstanding works/defects and remote end works. As built information collation.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-053 - Shetland 600 MW HVDC Link and Kergord 132kV Substation	<b>Scheme</b> Shetland 600 MW HVDC Link and Kergord 132kV Substation
<b>Overview of Works</b> Construct a 600MW HVDC link from Shetland to the Scottish mainland at an HVDC switching station in the vicinity of Noss Head in Caithness. The HVDC switching station works will integrate with the Caithness-Moray Transmission Reinforcement (part of SHET-RI-031)  The HVDC link includes a 600MW HVDC converter station and 132kV Substation at Kergord in Shetland. The new 132kV Substation at Kergord will be the collection point for generation in Shetland.  The 600MW HVDC link will have approximately 10km of land cable and 260km of subsea cable between Shetland and the HVDC switching station in Caithness.	
<b>Project Completion Date</b>	01/07/2024
<b>Summary of works in last quarter:</b> Noss Head DC Switching Station: Substantially completes civil works and HVDC cable installation works and commenced HVDC equipment installation Kergord HVDC Converter: Continue HVDC equipment installation, completed HVDC cable and termination installation in Converter station. Continue M&E /building services installation and civil works. HVDC cable: Completed Pre Lay Grapnel Run and boulder clearance activities and preparation works for Campaign 1 (of 3) Offshore HVDC cable installation – c 100km. Continued manufacturing Offshore DC Cable. Completed land cable installation in Caithness, continued land cable installation in Shetland	
<b>Summary of works in next quarter:</b> <b>Noss Head DC Switching Station:</b> Continue with HVDC equipment installation and complete civil works. <b>Kergord HVDC Converter:</b> Continue HVDC equipment installation and M&E building services and external civil works. Continue M&E fitout to AC substation. <b>HVDC Cable:</b> Complete onshore cable installation in Shetland. Lay first 100km of offshore cable including cable pull-in to Noss Head (Caithness) and commence offshore cable burial. Continue offshore cable manufacturing.	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-058 - Beauly-Loch Buidhe 275kV OHL Reinforcement	<b>Scheme</b> Beauly-Loch Buidhe 275kV OHL Reinforcement
<b>Overview of Works</b> This project is to reinforce the existing BSW/BSE Beauly, Shin to Loch Buidhe 132kV double circuit with a higher capacity 275kV double circuit OHL.  The reinforcement will include a new double circuit steel lattice tower construction approximately 40km, as well as works at Beauly, Loch Buidhe and Shin substations.	
<b>Project Completion Date</b>	31/10/2030
<b>Summary of works in last quarter:</b> Review strategic options and continue early option development.	
<b>Summary of works in next quarter:</b> Continuing to review strategic options against the connection of offshore generation	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-059 - Third 2GW East Coast HVDC Link Peterhead to England	<b>Scheme</b> Third 2GW East Coast HVDC Link Peterhead to England
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2033
<b>Summary of works in last quarter:</b> Project on hold.	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-061 - Skye Overhead Line Reinforcement	<b>Scheme</b> Skye Overhead Line Reinforcement
<b>Overview of Works</b> 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).	
<b>Project Completion Date</b>	31/12/2025
<b>Summary of works in last quarter:</b> Continue with land options on preferred OHL alignment, finalise draft EIA and undertake legal review, Engage with Ofgem and stakeholders on the FNC submission.	
<b>Summary of works in next quarter:</b> Submit s37 consent application and Ofgem Final Needs Case. Undertake project construction tenders for the various parts of the project – OHL, UGC, SS, etc.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-065a - Beauly 132 kV Substation Redevelopment	<b>Scheme</b> Beauly 132 kV Substation Redevelopment
<b>Overview of Works</b> Establish a new 132kV double busbar arrangement at Beauly substation, and transfer the circuits from the existing 132kV busbar to the new busbar. Connect the new 132kV double busbar to the existing 275kV busbar via two new 360MVA 275/132kV transformers. Third new 360MVA 275/132kV transformer will be undertaken under SHET-RI 065b	
<b>Project Completion Date</b>	31/10/2024
<b>Summary of works in last quarter:</b> Contractor design contract awarded, design progressing as expected. Planning Permission Application submitted. Super Grid Transformer Tenders under review. Archaeology and Ecology surveys ongoing.	
<b>Summary of works in next quarter:</b> Pre-commencement works for Planning Consent Super Grid Transformer manufacture to commence Contractor mobilisation and site-set-up to commence	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-065b - Beauly 3rd SGT Replacement	<b>Scheme</b> Beauly 3rd SGT Replacement
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2025
<b>Summary of works in last quarter:</b> See TORI-065a	
<b>Summary of works in next quarter:</b>	
<b>Additional Comments:</b> Project completion date for the TORI-065b is under review. Project passed through Gate 2 on the assumption that the works needed to be completed within the T2 period. It is likely that a change request will be submitted to amend this completion date.	



<b>TORI</b> SHET-RI-066 - Fort Augustus Substation 400/275kV Development	<b>Scheme</b> Fort Augustus Substation 400/275kV Development
<b>Overview of Works</b> Develop the existing Fort Augustus substation to include a new 275kV busbar. The 275kV busbar is connected to the 400kV busbar via two 1200MVA 400/275kV Supergrid transformers. The 400kV busbar is part of SHET-RI-064 works.	
<b>Project Completion Date</b>	TBC
<b>Summary of works in last quarter:</b> Project on hold	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-068 - Fort Augustus -Invergarry-400/132kV Development	<b>Scheme</b> Fort Augustus -Invergarry-400/132kV Development
<b>Overview of Works</b> Upgrade the existing 132kV double circuit OHL between Fort Augustus and Invergarry substation with a new 400kV OHL. The existing 132kV OHL forms part of the Fort Augustus to Fort William FFE/FFW Circuits.  Part of the upgrade is to establish a 400/132kV substation at Invergarry to connect the existing 132kV OHL from Fort William and Invergarry Generation.  The new 400kV OHL will terminate into the 400kV busbar at Fort Augustus. The 400kV busbar is part of SHET-RI-064 works.	
<b>Project Completion Date</b>	31/10/2027
<b>Summary of works in last quarter:</b> Prepare and issue Consultation Documents Hold Public and Statutory Consultations for alignment and substation site Engagement with ECU and Planning Authorities	
<b>Summary of works in next quarter:</b> Prepare and issue Report on Consultation Commence further environmental and engineering surveys on proposed alignment Issue Scoping Documents Commence EIA Continued engagement with ECU and Landowners Pre-Application Consultation Events for substation planning applications	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-069 - Kinardochoy Reactive Compensation	<b>Scheme</b> Kinardochoy Reactive Compensation
<b>Overview of Works</b> Reactive Compensation is required at a new Kinardochoy substation for voltage support on the 275kV Beauly-Denny overhead line. The Reactive Compensation will require a capability of +325MVAR and -225MVAR.	
<b>Project Completion Date</b>	31/08/2024
<b>Summary of works in last quarter:</b> Construction of the two new temporary towers for the OHL diversion works, Completion of all tree felling and timber removal works, Commencement of material processing on site and formation of the main substation platform.	
<b>Summary of works in next quarter:</b> Completion of the substation platform formation, Commencement of the GIS building foundations, Construction of the permanent access track to the substation.	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-072 - Blackhillock-Kintore 400 kV OHL Upgrade	<b>Scheme</b> Blackhillock-Kintore 400 kV OHL Upgrade
<b>Overview of Works</b> Replace the existing 55km XH1/XH2 275kV double circuit OHL with a 400kV double circuit OHL. The new 400kV OHL will terminate on the 400kV busbars at Blackhillock and Kintore substations.  A new connection arrangement is required at Cairnford substation to allow connection to the proposed 400kV OHL.	
<b>Project Completion Date</b>	30/09/2027
<b>Summary of works in last quarter:</b> Project superseded by SHET-RI-137 Blackhillock – New Deer – Peterhead	
<b>Summary of works in next quarter:</b> Project superseded by SHET-RI-137 Blackhillock – New Deer – Peterhead	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-075 - Orkney 132kV Infrastructure Finstown - Ellibster	<b>Scheme</b> Orkney 132kV Infrastructure Finstown - Ellibster
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	30/04/2025
<b>Summary of works in last quarter:</b> Project on hold.	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-079 - Blackhillock Additional 275/132kV SGTs	<b>Scheme</b> Blackhillock Additional 275/132kV SGTs
<b>Overview of Works</b> Reinforce the transmission network at Blackhillock substation by installing two additional new 275/132kV Supergrid Transformers. The transformers are to be rated at 360MVA.	
<b>Project Completion Date</b>	30/06/2025
<b>Summary of works in last quarter:</b> Progress cable routing assessment from 132kV GIS building to new SGT. Further technical assessments to progress substation and transformer design including buried services, structural assessment, noise impact and earthing study to feed in to works information for invitations to tender.	
<b>Summary of works in next quarter:</b> Further progress cable routing assessment from 132kV GIS building to new SGT. Further technical assessments to progress substation and transformer design including buried services, structural assessment, noise impact and earthing study to feed in to works information for invitations to tender.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-086 - Craig Murrail Switching Station	<b>Scheme</b> Craig Murrail Switching Station
<b>Overview of Works</b> It is proposed that a new 132 kV switching station will be constructed near the Port Ann tee point (Craig Murrail) cutting into the Crossaig-Inveraray 132 kV double circuit. Disconnect Port Ann from tee points on the 132kV OHL and connect Port Ann GSP directly onto the new 132kV double busbars.	
<b>Project Completion Date</b>	30/04/2027
<b>Summary of works in last quarter:</b> Town & Country Planning Application for Craig Murrail substation to be further developed. Section 37 application to be further developed for two temporary 275kV towers required during the construction works. These will be removed once the existing Inveraray – Crossaig 275kV OHL circuits are tied into to the new substation. Framework tender (ITT) documentation to be developed.	
<b>Summary of works in next quarter:</b> Town & Country Planning Application for Craig substation to be submitted. Section 37 application to be submitted for two temporary 275kV towers required during the construction works. These will be removed once the existing Inveraray – Crossaig 275kV OHL circuits are tied into to the new substation. ITT documentation to be issued to Framework Contractors.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-088 - Loch Buidhe - Dounreay 275kV Reinforcement	<b>Scheme</b> Loch Buidhe - Dounreay 275kV Reinforcement
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/08/2025
<b>Summary of works in last quarter:</b> Progress initial optioneering and assessment of increasing the operating temperature on the 275kV circuit.	
<b>Summary of works in next quarter:</b> Continuing to develop initial needs case of increasing the operating temperature on the existing 275 kV circuit.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-089 - Farigaig SGT2 Upgrade	<b>Scheme</b> Farigaig SGT2 Upgrade
<b>Overview of Works</b> Upgrade the 120MVA 275/132kV SGT2 at Farigaig substation to a 240MVA SGT, to facilitate the connection of generation in the area.	
<b>Project Completion Date</b>	30/08/2024
<b>Summary of works in last quarter:</b> <ul style="list-style-type: none"> <li>• Confirm 275kV CB (circuit breaker) suitable for point on wave switching. If not obtain costs for required modifications or replacement if more cost effective</li> <li>• Confirm whether existing SGT protection scheme can be retained / re-used (potential saving)</li> <li>• Prepare works information for Part A tender for substation works</li> </ul>	
<b>Summary of works in next quarter:</b> <ul style="list-style-type: none"> <li>• Issue Part A ITT to contractors in Q3 2022</li> </ul>	
<b>Additional Comments:</b> Order for SGT has been placed with manufacturer. Require delivery to site in February 2024. Instruction to manufacturer to proceed with manufacture to be issued by 31 October 2022. This allows manufacturer 16 months for manufacture and deliver to site.	



<b>TORI</b> SHET-RI-090 - Coupar Angus - Errochty 132kV Reconductoring	<b>Scheme</b> Coupar Angus - Errochty 132kV Reconductoring
<b>Overview of Works</b> 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 <sup>2</sup> ) and will operate at 75°C to give a minimum summer pre-fault rating of 176MVA.	
<b>Project Completion Date</b>	31/10/2026
<b>Summary of works in last quarter:</b> Project on hold.	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-093 - East Coast Phase 2 - 400kV Reinforcement	<b>Scheme</b> East Coast Phase 2 - 400kV Reinforcement
<b>Overview of Works</b> Upgrade the existing Blackhillock / Rothienorman / Kintore / Alyth / Kincardine east coast 275kV circuits to 400kV operation. Establish a new 400kV double busbar at Kintore to enable this upgrade.  This upgrade also interfaces at Blackhillock 400kV Substation and with Scottish Power Transmission (SPT) at Kincardine substation. SPT will be responsible for all the 400kV OHL upgrade and substation works beyond the SSEN Transmission/SPT Boundary (Boundary 4).	
<b>Project Completion Date</b>	31/10/2026
<b>Summary of works in last quarter:</b> <b>Kintore Substation Works</b> – Completion of the building steelwork and cladding installation, Completion of the 2no Transformer oil containment bunds, Commencement of AIS switchgear support foundations, commencement of Transformer manufacture, continued engineering development with the GIS manufacturer in relation to final GIS arrangement and GIB foundations, and continuation of design for the substation protection and control system.  <b>Fetteresso 400kV upgrade</b> – Completion of internal governance requirements. Ongoing assessment of whether 1 or 2 SGTs are required for the project scope.  <b>East Coast OHL 400kV Upgrade Works</b> – Submission of first tranche of Part A design deliverables to complete. Site investigation and foundation intrusive works to commence.	
<b>Summary of works in next quarter:</b> <b>Kintore Substation Works</b> – TBC  <b>Fetteresso 400kV upgrade</b> – Completion of internal assessment regarding whether 1 or 2 SGTs are required for the project scope.  <b>East Coast OHL 400kV Upgrade Works</b> – TBC	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-098 - Dunoon GL1-GL2 OHL Rebuild	<b>Scheme</b> Dunoon GL1-GL2 OHL Rebuild
<p><b>Overview of Works</b> Rebuild approximately 18km of double circuit overhead line between Dunoon substation and the SHET – SPT boundary.</p> <p>This project interfaces with Scottish Power Transmission (SPT), and any works required beyond the SHET-SPT boundary will be the responsibility of SPT.</p>	
<b>Project Completion Date</b>	30/05/2026
<p><b>Summary of works in last quarter:</b> Undertake GI works at angle tower locations. Complete pre s37 deliverables such as Traffic Management Plan (TMP) and tower access report. Issue wayleaves and Heads of Terms (HOT's) to landowners.</p>	
<p><b>Summary of works in next quarter:</b> Complete Part A Tender. Carry out s37 pre application Event Carry out EIA, submit s37 to ECU. Continue Landowner negotiations.</p>	
<p><b>Additional Comments:</b> N/A</p>	



<b>TORI</b> SHET-RI-105 - Rothienorman s/s & Rothienorman - Kintore Reconductoring	<b>Scheme</b> Rothienorman s/s & Rothienorman - Kintore Reconductoring
<b>Overview of Works</b> Establish a new double busbar at Rothienorman to be built at 400kV, but initially operate at 275kV. Re-conductor the 275kV double circuit overhead line between the new double busbar at Rothienorman and Kintore substation (MX1, MX2).	
<b>Project Completion Date</b>	20/08/2021 (energised)
<b>Summary of works in last quarter:</b> Ongoing completion of outstanding remedial works and defects correction.	
<b>Summary of works in next quarter:</b> Completion of remaining remedial works and financial closure.	
<b>Additional Comments:</b> None	



<b>TORI</b> SHET-RI-106b - Connagill 2nd SGT	<b>Scheme</b> Connagill 2nd SGT
<b>Overview of Works</b> At Connagill substation, install a 2nd 275/132kV 360MVA supergrid transformer, to enable the connection of wind generation in the local area to the Dounreay – Loch Buidhe 275kV circuit.	
<b>Project Completion Date</b>	01/04/2024
<b>Summary of works in last quarter:</b> Combined Gate 1/2 undertaken in June 22.	
<b>Summary of works in next quarter:</b> Commence procurement of the SGT.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-107 - North Argyll - Inveraray Reinforcement	<b>Scheme</b> North Argyll - Inveraray Reinforcement
<b>Overview of Works</b> Reinforce the double circuit overhead line between North Argyll 275/132kV substation (established as part of SHET-RI-013) and Inveraray 132kV switching station. This reinforced circuit will connect to the double circuit overhead line from Crossaig (rebuilt as part of SHET-RI-050) approximately 2.8km away from Inveraray.	
<b>Project Completion Date</b>	30/04/2027
<b>Summary of works in last quarter:</b> Finalise alignment and access track design and subsequent environmental assessment. Stakeholder and Public Consultation on preferred alignment to be completed. Prepare works information for invitation to tender. Prepare relevant documentation for Section 37 submission to the ECU for the new OHL.	
<b>Summary of works in next quarter:</b> Section 37 application to be submitted for the new overhead line. ITT documentation to be issued to Framework Contractors.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-109 - Loch Buidhe - Spittal 132kV Reconductoring	<b>Scheme</b> Loch Buidhe - Spittal 132kV Reconductoring
<b>Overview of Works</b> Reconductor the existing 90km 132kV tower line between Loch Buidhe and Spittal substations. The 132kV overhead line is to be reconducted with a higher capacity conductor than the existing conductor and should have a minimum summer pre-fault rating of 176MVA.	
<b>Project Completion Date</b>	30/06/2027
<b>Summary of works in last quarter:</b> Continuation of the Gate 0 - 1 stage 'Opportunity Assessment'. Energyline scope to be created Identify Landowners Draft Gate 1 Docs	
<b>Summary of works in next quarter:</b> Engage with OFGEM for MSIP Application Lidar and Energyline Assessments to be completed Environmental studies to be carried out in summer Gain understanding of access track requirements (Temporary or Permanent)	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-111 - Abernethy 132kV Mesh Corner	<b>Scheme</b> Abernethy 132kV Mesh Corner
<b>Overview of Works</b> 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).	
<b>Project Completion Date</b>	31/10/2022
<b>Summary of works in last quarter:</b> On Hold	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-115 - Melgarve 400/132 kV Substation Additional SGTs	<b>Scheme</b> Melgarve 400/132 kV Substation Additional SGTs
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	01/07/2026
<b>Summary of works in last quarter:</b> <ul style="list-style-type: none"> <li>- Phasing of the works to be considered post Gate 1</li> <li>- Progress designs and develop works information</li> <li>- Route alignment for OHLs (overhead lines)</li> <li>- Appoint consultant for GIS extensions</li> </ul>	
<b>Summary of works in next quarter:</b> Following the termination of a Wind Farm connection in the area, systems studies concluded the two additional SGTs are no longer required. The project will be put on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-116 - Kergord - Yell 132kV Connection	<b>Scheme</b> Kergord - Yell 132kV Connection
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	01/04/2026
<b>Summary of works in last quarter:</b> Select Marine Survey supplier and place contract. Complete Geotechnical investigations.	
<b>Summary of works in next quarter:</b> Freeze design and submit planning applications	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-117 - Tealing 275kV Busbar Upgrade	<b>Scheme</b> Tealing 275kV Busbar Upgrade
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	18/11/2022
<b>Summary of works in last quarter:</b> Users current plan should have 2 out 3 circuits energised within the next quarter. All works are complete except for user circuit connections. Project has been delayed in completion due to user delayed in energisation	
<b>Summary of works in next quarter:</b> All works have been completed now awaiting user to be ready to energise. Circuit 1 and 2 connection expected to be established in the quarter. HV testing of circuit 3 cable by user also expected to conclude.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-119 - Corriemoillie Transformer Protection Modification	<b>Scheme</b> Corriemoillie Transformer Protection Modification
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2024
<b>Summary of works in last quarter:</b> Delivery team progressed with review and coordination with generator connection works. Works to progress to meet 2024 completion.	
<b>Summary of works in next quarter:</b> Continuing discussions on how best to proceed with project	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-120 - East Coast 132kV Upgrade	<b>Scheme</b> East Coast 132kV Upgrade
<p><b>Overview of Works</b></p> <p>Construct a new Grid Supply Point substation near Fiddes connected to the 275kV double circuit tower line XT1/XT2 between Kintore and Tealing.</p> <p>Construct a new 132kV double circuit overhead line between Brechin and the Tealing/Arbroath/Brechin Tee Point.</p> <p>Reconductor the existing double circuit tower line between Tealing and the Tealing/Arbroath/Brechin Tee Point.</p> <p>Dismantle the existing Fiddes 132/33kV substation.</p> <p>Dismantle the existing 132kV single circuit overhead line between the Craigiebuckler/Tarland/Fiddes Tee Point and the Brechin Substation.</p>	
<b>Project Completion Date</b>	31/10/2026
<p><b>Summary of works in last quarter:</b></p> <p>Ongoing System Planning and Asset Management review of the overhead line options between Brechin and the Tealing/Arbroath/Brechin Tee Point.</p>	
<p><b>Summary of works in next quarter:</b></p> <p>Ongoing System Planning and Asset Management review of the overhead line options between Brechin and the Tealing/Arbroath/Brechin Tee Point.</p>	
<p><b>Additional Comments:</b></p> <p>N/A</p>	



<b>TORI</b> SHET-RI-121 - Charleston - Abernethy 132kV Reconductoring	<b>Scheme</b> Charleston - Abernethy 132kV Reconductoring
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2022
<b>Summary of works in last quarter:</b> On Hold.	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-123 - Shin - Loch Buidhe 132kV Reconductoring	<b>Scheme</b> Shin - Loch Buidhe 132kV Reconductoring
<b>Overview of Works</b> Following the completion of SHET-RI-058, Shin substation will be radially connected into Loch Buidhe 132kV substation via the existing 132kV double circuit. TORI-123 project is to reconductor this 132kV double circuit overhead line between Shin substation and Loch Buidhe substation. The double circuit should be reconducted with a minimum summer pre-fault rating of 190MVA.	
<b>Project Completion Date</b>	31/12/2023
<b>Summary of works in last quarter:</b> System Studies ongoing. Works to be considered alongside SHET-RI-058.	
<b>Summary of works in next quarter:</b> Continuing discussions on how best to proceed with project	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-124 - 2nd Shetland HVDC Link Kergord - Rothienorman	<b>Scheme</b> 2nd Shetland HVDC Link Kergord - Rothienorman
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2026
<b>Summary of works in last quarter:</b> Project on hold.	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-126 - Kergord - Yell 132kV 2nd Connection	<b>Scheme</b> Kergord - Yell 132kV 2nd Connection
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	TBC if 2 <sup>nd</sup> circuit is required
<b>Summary of works in last quarter:</b> Project on hold – not required at present.	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-127 - Dounreay - Spittal 400 kV Double Circuit Cable	<b>Scheme</b> Dounreay - Spittal 400 kV Double Circuit Cable
<b>Overview of Works</b> Establish two new 400kV double busbars, one at a new site close to Dounreay and the second close to Spittal. Construct approximately 15km of new 400kV double circuit underground cables from the new site close to Dounreay and Spittal. The new 400kV cable circuits should have a minimum summer rating of 1000MW on each circuit	
<b>Project Completion Date</b>	31/10/2031
<b>Summary of works in last quarter:</b> Project to enter the initial development stages alongside TORI 128.	
<b>Summary of works in next quarter:</b> TORI 127 to be updated to NOA7 refresh option DSDC (Dounreay 400kV substation, Thurso 400kV substation and 400kV OHL rebuild from Dounreay – Thurso – Spittal)	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-128 – Caithness to Peterhead HVDC Link	<b>Scheme</b> Caithness to Peterhead HVDC Link
<b>Overview of Works</b>  Transmission reinforcement works associated with the construction of a new HVDC link from the new Spittal 2 275 kV substation (delivered under TORI SHET-RI-153) to Peterhead 400 kV substation. The HVDC link is approximately 145 km from Spittal 2 to Peterhead (115 km subsea cable and 30 km underground cable). The works will be coordinated with the NOA recommendations	
<b>Project Completion Date</b>	31/10/2029
<b>Summary of works in last quarter:</b> Begin initial project development works	
<b>Summary of works in next quarter:</b> TORI to be updated to 2 GW bi-pole HVDC link with metallic return as per NOA7 option.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-129 - Farigaig SGT1 Upgrade	<b>Scheme</b> Farigaig SGT1 Upgrade
<b>Overview of Works</b> Upgrade the 120MVA 275/132kV SGT1 at Farigaig substation to a 240MVA SGT, to facilitate the connection of generation in the area.	
<b>Project Completion Date</b>	01/07/2025
<b>Summary of works in last quarter:</b> Re-design of civil works due to concerns / perceived risks regards ordering SGT1 from manufacturer. Determine whether existing 275kV CB can be modified for point on wave switching. Confirm SGT protection scheme does not need to be replaced.	
<b>Summary of works in next quarter:</b> Internal governance milestone scheduled for August 2022. Hand over to Base capex to progress to project to construction ready.	
<b>Additional Comments:</b> Completion date delayed due to wind farm developer delaying their proposed connection date to 01/07/2025.	



<b>TORI</b> SHET-RI-130a - North Argyll - Craig Murrail 275kV Operation	<b>Scheme</b> North Argyll - Craig Murrail 275kV Operation
<b>Overview of Works</b> Reinforce the network in the Argyll and Kintyre network to enable 275kV operation of the network from Creag Dhubh substation (established as part of SHET-RI-013) to Craig Murrail Substation. This will require the upgrade of An Suidhe and Crarae substations on this circuit for 275kV operation.	
<b>Project Completion Date</b>	30/04/2027
<b>Summary of works in last quarter:</b> Town & Country Planning Applications for An Suidhe 33kV/275kV and Crarae 33kV/275kV substations to be further developed.  Section 37 application for movement of towers on existing Inveraray to Crossaig overhead line to link to new substations to be further developed.  Framework tender (ITT) documentation to be developed.	
<b>Summary of works in next quarter:</b> Town & Country Planning Applications for An Suidhe 33kV/275kV and Crarae 33kV/275kV substations to be submitted.  Section 37 application for movement of towers on existing Inveraray to Crossaig overhead line to link to new substations to be submitted.  ITT documentation to be issued to Framework Contractors.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-130b - Craig Murrail - Crossaig 275kV Operation	<b>Scheme</b> Craig Murrail - Crossaig 275kV Operation
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	30/04/2027
<b>Summary of works in last quarter:</b> Town & Country Planning Application for Crossaig North 132kV/275kV substation to be further developed.  Section 37 application for movement of towers on existing Inveraray to Crossaig overhead line to link to new substation to be further developed.  Framework tender (ITT) documentation to be developed.	
<b>Summary of works in next quarter:</b> Town & Country Planning Application for Crossaig North 132kV/275kV substation to be submitted.  Section 37 application for movement of towers on existing Inveraray to Crossaig overhead line to link to new substation to be submitted.  ITT documentation to be issued to Framework Contractors.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-131 - Brechin 132kV Extension	<b>Scheme</b> Brechin 132kV Extension
<b>Overview of Works</b> Construct 2 new circuit breakers at Brechin Grid Supply point.	
<b>Project Completion Date</b>	31/10/2024
<b>Summary of works in last quarter:</b> Continue optioneering and project development alongside related reinforcement, SHET-RI-120.	
<b>Summary of works in next quarter:</b> Continue optioneering and project development alongside related reinforcement, SHET-RI-120.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-132 - Beauly-Blackhillock High Temperature Reconductoring	<b>Scheme</b> Beauly-Blackhillock High Temperature Reconductoring
<b>Overview of Works</b> Reconductor the Beauly - Blackhillock 275 kV double circuit line with high temperature conductors. The circuits to be reconducted comprise the existing 275kV overhead lines between Beauly and Knocknagael, and between Knocknagael and Blackhillock.  The substation at Knocknagael is adjacent to the existing Foyers line tee point.	
<b>Project Completion Date</b>	30/07/2027
<b>Summary of works in last quarter:</b> Initial optioneering works being progressed by Development team.	
<b>Summary of works in next quarter:</b> Further system analysis being undertaken to ensure the correct solution and required rating increase is achieved.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-133 - Loch Buidhe SGT Upgrade	<b>Scheme</b> Loch Buidhe SGT Upgrade
<b>Overview of Works</b> Replacement of existing Loch Buidhe 240MVA 132/275kV SGTs with 480MVA units.	
<b>Project Completion Date</b>	30/07/2027
<b>Summary of works in last quarter:</b> Initial development works to progress.	
<b>Summary of works in next quarter:</b> Continue project development.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-134 – Beauly-Denny 2 <sup>nd</sup> Circuit upgrade from 275kV to 400kV	<b>Scheme</b> Beauly-Denny 2 <sup>nd</sup> Circuit upgrade from 275kV to 400kV
<b>Overview of Works</b> 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	
<b>Project Completion Date</b>	31/10/2029
<b>Summary of works in last quarter:</b> Initial development and optioneering works to progress.	
<b>Summary of works in next quarter:</b> Continue Initial development and optioneering works Scope and programme validation and optioneering Determine Consenting strategies	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-135 - Edinbane 132kV Substation	<b>Scheme</b> Edinbane 132kV Substation
<b>Overview of Works</b> Construct a 132kV Collector Switching Station at Edinbane These works will include provision of reactive compensation equipment to accommodate additional generation onto the Skye 132kV system.	
<b>Project Completion Date</b>	31/07/2026
<b>Summary of works in last quarter:</b> Work to progress on optioneering and preparation of MSIP submission to Ofgem.	
<b>Summary of works in next quarter:</b> Continued development of optioneering scope.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-136 - Blackhillock 400kV Building Extension	<b>Scheme</b> Blackhillock 400kV Building Extension
<b>Overview of Works</b> Extend existing Blackhillock 400kV GIS building to allow space provision for additional bays.	
<b>Project Completion Date</b>	31/08/2024
<b>Summary of works in last quarter:</b> Initial development and optioneering works to progress. Connection requirements have been reviewed and change request is needed to reflect revised completion date, with completion of building needed for equipment to be installed and connections to be commissioned in 2030 (rather than 2025).	
<b>Summary of works in next quarter:</b> High level optioneering to confirm required footprint and OHL routing to determine if building will fit within existing site compound. Programme to be updated to reflect findings.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-137 - Blackhillock-New Deer-Peterhead 400kV OHL	<b>Scheme</b> Blackhillock-New Deer-Peterhead 400kV OHL
<b>Overview of Works</b> Establish a new 400kV double circuit overhead line from Blackhillock to New Deer (60km) and New Deer to Peterhead (22km).	
<b>Project Completion Date</b>	31/10/2031
<b>Summary of works in last quarter:</b> Continuation of high-level project development, along with initial internal governance activities. WSP developed constraint mapping and starting to identify corridor options.	
<b>Summary of works in next quarter:</b> Corridors to be developed with supporting documentation prepared for Stakeholder Consultation at the end of next quarter.	
<b>Additional Comments:</b> Project is being developed in parallel to SHET-RI-007a Beaully - Blackhillock 400kV OHL with shared project team. Project is to connect to proposed 'New Deer 2' 400kV substation, site selection to be developed in separate project, with SHET-RI-137 engaging closely.	



<b>TORI</b> SHET-RI-138 - New Deer 400kV Busbar Extension	<b>Scheme</b> New Deer 400kV Busbar Extension
<b>Overview of Works</b> Extend 400kV double busbar to form 3-section busbar at New Deer 400kV Substation.	
<b>Project Completion Date</b>	31/10/2033
<b>Summary of works in last quarter:</b> Initial high-level project development, along with initial internal governance activities for project inception.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-139 - 2GW HVDC Link New Deer to England	<b>Scheme</b> 2GW HVDC Link New Deer to England
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2033
<b>Summary of works in last quarter:</b> Initial development and optioneering works to progress.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-140 - Thurso South 275 kV Substation Redevelopment	<b>Scheme</b> Thurso South 275 kV Substation Redevelopment
<b>Overview of Works</b> Redevelop the existing Thurso South 275 kV substation into a new 275 kV double busbar arrangement.	
<b>Project Completion Date</b>	01/06/2025
<b>Summary of works in last quarter:</b> Project on hold.	
<b>Summary of works in next quarter:</b> Project on hold.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-141 - Spittal to New Deer HVDC Link	<b>Scheme</b> Spittal to New Deer HVDC Link
<b>Overview of Works</b> Create an HVDC link between Spittal and New Deer.	
<b>Project Completion Date</b>	31/10/2031
<b>Summary of works in last quarter:</b> Project requirement being assessed.	
<b>Summary of works in next quarter:</b> Reinforcement options to be re-assessed post HND.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-142 - Caithness to New Deer 2 - 2 x 1GW HVDC Links	<b>Scheme</b> Caithness to New Deer 2 - 2 x 1GW HVDC Links
<b>Overview of Works</b> Construct 2 x 1GW HVDC links from Spittal to New Deer 2, including converter stations and associated equipment.	
<b>Project Completion Date</b>	31/10/2031
<b>Summary of works in last quarter:</b> Coordination required with ScotWind and Offshore Transmission Network Review workstream.	
<b>Summary of works in next quarter:</b> Reinforcement options to be re-assessed post HND.	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-143 - Kergord - Gremista GSP 132kV Infrastructure	<b>Scheme</b> Kergord - Gremista GSP 132kV Infrastructure
<b>Overview of Works</b> Construct a new 132kV 24km circuit between Kergord substation and Gremista GSP, terminated onto new 132kV feeder bays at Kergord and Gremista. Construct a new Tee point for the connection of a wind farm.	
<b>Project Completion Date</b>	30/04/2025
<b>Summary of works in last quarter:</b> Continue to progress development works Completion of Ground Investigation works Gremista planning permission granted	
<b>Summary of works in next quarter:</b> SHEPD start civils works at Gremista to construct Grid Supply Point platform base S37 consultation period completes for OHL	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-144 - New Deer 2 400kV Substation	<b>Scheme</b> New Deer 2 400kV Substation
<b>Overview of Works</b> Establish a new 400kV substation close to the proposed New Deer 400kV substation and tie in the proposed 400kV circuits from New Deer to Peterhead.	
<b>Project Completion Date</b>	31/10/2033
<b>Summary of works in last quarter:</b> Initial development and optioneering works to progress.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-145 - 2GW HVDC Link New Deer 2 to England	<b>Scheme</b> 2GW HVDC Link New Deer 2 to England
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2033
<b>Summary of works in last quarter:</b> Initial development and optioneering works to progress.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-147 - Tealing 400kV Substation	<b>Scheme</b> Tealing 400kV Substation
<b>Overview of Works</b> Establish a new 400kV substation close to the existing Tealing 275kV Substation.	
<b>Project Completion Date</b>	31/10/2031
<b>Summary of works in last quarter:</b> Initial development and optioneering works to progress.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-148 - Alyth – Tealing 400kV Reinsulation	<b>Scheme</b> Alyth – Tealing 400kV Reinsulation
<b>Overview of Works</b> Re-insulate the 275kV double circuit overhead line between Alyth and Tealing for 400kV operation.	
<b>Project Completion Date</b>	31/10/2031
<b>Summary of works in last quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-149 - Tealing – Glenrothes Westfield 400kV Rebuild	<b>Scheme</b> Tealing – Glenrothes Westfield 400kV Rebuild
<b>Overview of Works</b> Rebuild the 275kV double circuit overhead line between Tealing and Glenrothes-Westfield for 400kV operation.	
<b>Project Completion Date</b>	31/10/2031
<b>Summary of works in last quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-150 - Inverguie Tee – Peterhead 132kV Reconductoring	<b>Scheme</b> Inverguie Tee – Peterhead 132kV Reconductoring
<b>Overview of Works</b> Reconductor approximately 6.7km 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.	
<b>Project Completion Date</b>	31/10/2029
<b>Summary of works in last quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-151 - Peterhead – St Fergus 132kV Line Works -	<b>Scheme</b> Peterhead – St Fergus 132kV Line Works
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2029
<b>Summary of works in last quarter:</b> Initial high-level project development, along with initial internal governance activities for project inception.	
<b>Summary of works in next quarter:</b> Initial high-level project development, along with initial internal governance activities for project inception.	
<b>Additional Comments:</b> N/A	





<b>TORI</b> SHET-RI-153 - Spittal 2 275 kV Substation	<b>Scheme</b> Spittal 2 275 kV Substation
<b>Overview of Works</b> Construct a new 275 kV substation 'Spittal 2' close to the existing Spittal 275 kV substation in Caithness.	
<b>Project Completion Date</b>	31/05/2028
<b>Summary of works in last quarter:</b> Initial project development works to commence.	
<b>Summary of works in next quarter:</b> Continue to develop options post HND	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-155 - Peterhead - Persley Tee 275kV Works	<b>Scheme</b> Peterhead - Persley Tee 275kV Works
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/05/2027
<b>Summary of works in last quarter:</b> Initial high-level project development, along with initial internal governance activities for project inception.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-165 - Alcemi Substation 400kV Switchgear	<b>Scheme</b> Alcemi Substation 400kV Switchgear
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	31/10/2029
<b>Summary of works in last quarter:</b> Initial high-level project development, along with initial internal governance activities for project inception.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-166 - Tealing – Arbroath 132kV Line Works	<b>Scheme</b> Tealing – Arbroath 132kV Line Works
<b>Overview of Works</b> 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.	
<b>Project Completion Date</b>	30/04/2026
<b>Summary of works in last quarter:</b> Continuation high-level project development, along with initial internal governance activities.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-167 - Keith 275kV Sync Comp	<b>Scheme</b> Keith 275kV Sync Comp
<b>Overview of Works</b> Installation of a new 275kV disconnector switch on the 275kV cable circuit side of the 275/132kV Super Grid Transformer at Keith substation.	
<b>Project Completion Date</b>	01/08/2024
<b>Summary of works in last quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Summary of works in next quarter:</b> Continuation of high-level project development, along with initial internal governance activities.	
<b>Additional Comments:</b> N/A	



<b>TORI</b> SHET-RI-168 - Melvich to Connagill 132kV Connection	<b>Scheme</b> Melvich to Connagill 132kV Connection
<b>Overview of Works</b> Transmission reinforcement works associated with the construction of a new 5.2 km, 132 kV overhead line between Melvich Community wind farm 132/33 kV substation and Connagill substation. The works include the connection to a 132kV bay at Connagill and a single 132kV busbar at Melvich Community Wind Farm.	
<b>Project Completion Date</b>	31/10/2027
<b>Summary of works in last quarter:</b> Begin initial development works	
<b>Summary of works in next quarter:</b> Continue to develop as part of the wider connection options into Connagill	
<b>Additional Comments:</b> N/A	