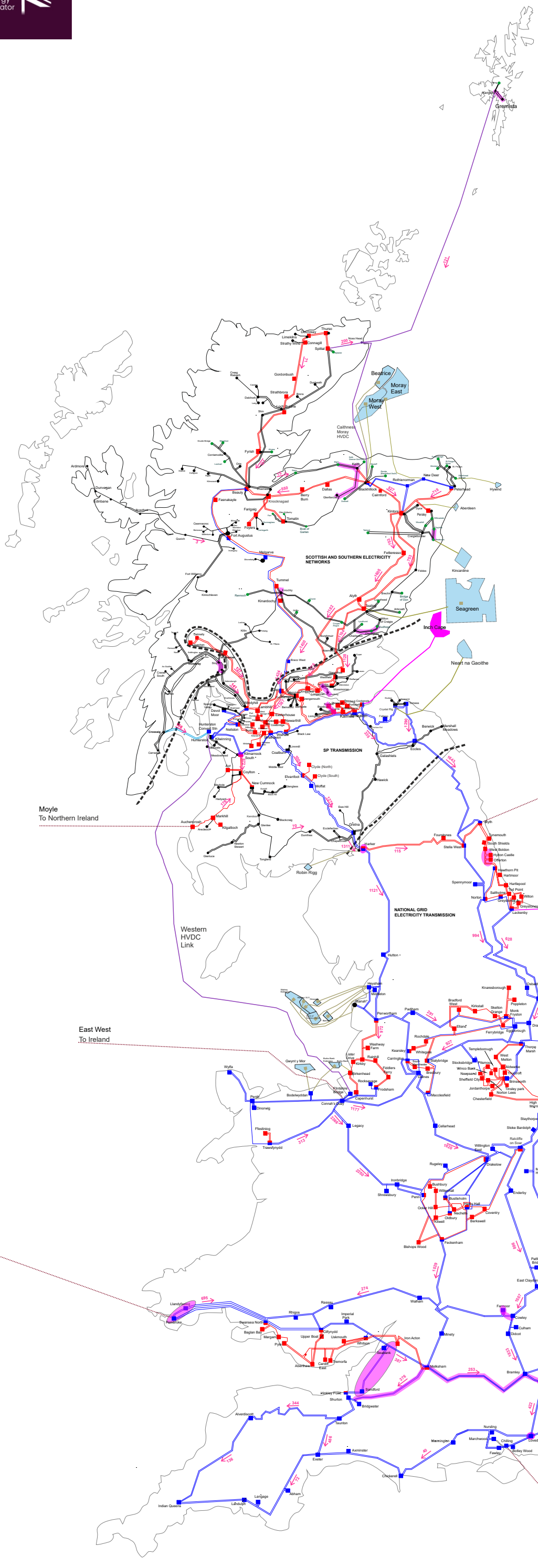
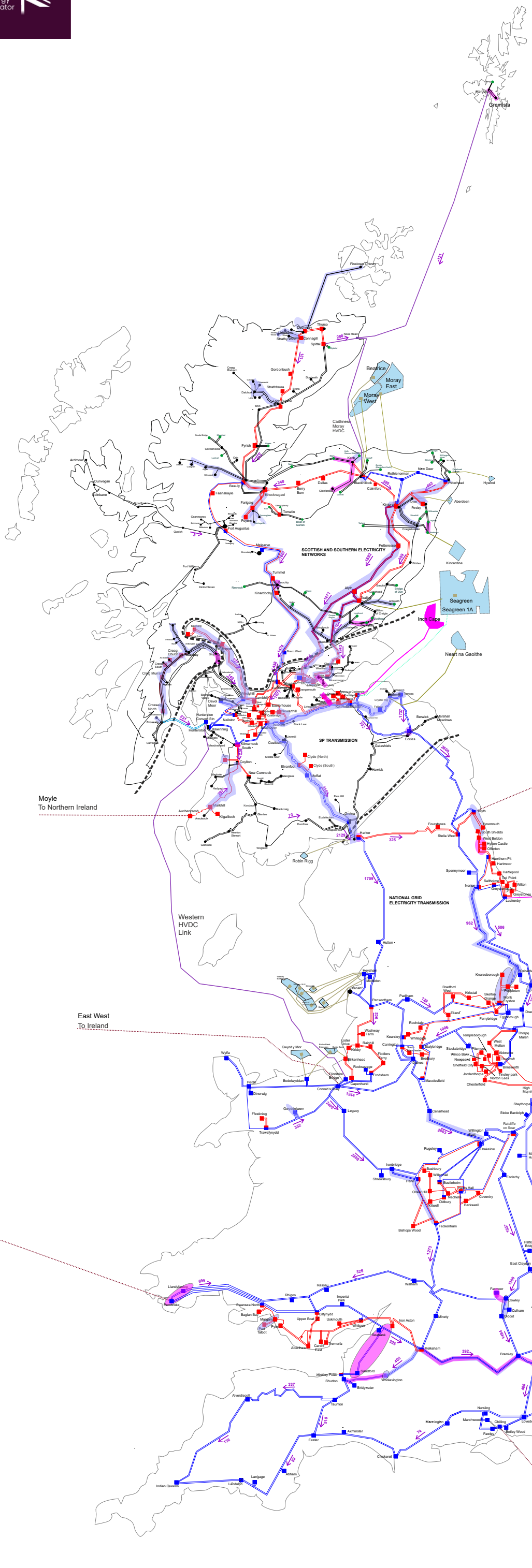
Appendix C Year 1 2025_2026 GB Electricity Transmission System & Power Flows

Power Flow legend
901 Y1 power flow (MW)
LEGEND
Transmission substations
400kV
275kV
132kV
other* substations
Existing offshore windfarms
Circuits
400kV
275kV
220kV
132kV
existing offshore circuits
HVDC
Interconnectors (as per IC register)
Other drawings
Approximate border between SSEN, SPT and NGET
Note1:The map is a representation of the existing NETS (GB electricity transmission network - on land and offshore), based on the ETYS2025 Years 1, 2, 4, 6 and 9, thus the routes and components of the network are only for illustrative purposes and should be taken as approximate location of assets. For details of the existing assets location or future network changes or recommended upgrades, see each transmission owner future projects website (SSEN Transmission at https://www.ssen-transmission.co.uk/projects/, SPT at https://www.spenergynetworks.co.uk/pages/investment_innovation.aspx and NGET at https://www.nationalgrid.com/the-great-grid-upgrade).
Note2: Other substations (represented in green, mainly in SSEN area) are other non-MITS 132kV substations or connection points; for more details please enquire the owner of the transmission system.
Note3: For NGET region, only transmission circuits from 275kV and above are represented.
Note * - In the NGET area there are represented 132kV non-transmission substations only for completing the connectivity with the offshore network
The recommended network changes (upgrades, reinforcements) are highlighted whereas recommended new network components are captured in ellipses too.
SCOTTISH AND SOUTHERN ELECTRICITY NETWORKS
SP TRANSMISSION
NATIONAL GRID ELECTRICITY TRANSMISSION
Kergord
Beatrice
Moray East
Moray West
Caithness Moray HVDC
Seagreen
Kincardine
Neart na Gaoithe
Hywind
Aberdeen
Peterhead
Fraserburgh
Hunterston
Torness
Cockenzie
Longannet
Kintore
Rothienorman
New Deer
Blackhillock
Keith
Dallas
Berry Burn
Knocknagael
Fasnakyle
Beauly
Fort Augustus
Foyers
Tomatin
Fearnan
Fort William
Melliaverie
Tummel
Kinardochy
Errochty
Clunie
Braco West
Denny
Westfield
Longannet
Kincardine
Alyth
Tealing
Arbroath
Fetteresso
Fiddes
Mossford
Dunbeath
Thurso
Dounreay
Limekilns
Strathy North
Connagill
Spittal
Noss Head
Gordonbush
Strathbrora
Dalchork
Loch Buidhe
Shin
Creag Riabach
Dunmaglass
Sloy
Finlarig
Inverarnan
Ardmore
Dunvegan
Eishken
Scoolscraig
Quoich
Mossford
Cassley
Corriemoillie
Luichart
Orrin
Culligran
Glen Kyllachy
Fasnakyle
Foyers
Tomatin
Boat of Garten
Berry Burn
Dalmally
Glen Lochay
Lochay
Kilmorack
Fort William
Kinlochleven
Rannoch
Kinbrace
Dunbeath
Mybster
Wick
Stornoway
Arnish
Harris
Lewis
Skye
Broadford
Ardnarff
Beauly
Dunvegan
Eishken
Scoolscraig
Ardmore
Kilmarnock South
Coalburn
Middle Muir
Elvanfoot
Clyde (North)
Clyde (South)
Moffat
Glenglass
New Cumnock
Coylton
Ayr
Hunterston
Crossaig
Carradale
Saltcoats
Meadowhead
Devol Moor
Neilston
Newarthill
Eccles
Galashiels
Hawick
Berwick
Marshall Meadows
Crystal Rig
Dunbar
Torness
Cockenzie
Longannet
Kincardine
Westfield
Braco West
Denny
Bonnybridge
Wishaw
Glenmavis
Cambois
Blyth
Lynemouth
South Shields
West Boldon
Hylton Castle
Offerton
Hawthorn Pit
Hartmoor
Hartlepool
Tod Point
Saltholme
Norton
Wilton
Greystones
Greystones B
Lackenby
Stella West
Fourstones
Harker
Gretna
Eccles
Eccles Hill
Auchencrosh
Kilgallioch
Glenlee
Blackcraig
Kendoon
Dumfries
Ecclefechan
Newton Stewart
Glenluce
Tongland
Robin Rigg
Moyle
To Northern Ireland
NSL
To Norway
Dogger Bank B
Dogger Bank A
Spennymoor
Knaresborough
Thornton
Creyke Beck
Poppleton
Monk Fryston
Skelton Grange
Kirkstall
Bradford West
Eland
Drax
Eggborough
Ferrybridge
Rochdale
Whitegate
Kearsley
Carrington
Stalybridge
Templeborough
Thorpe Marsh
Keadby
Killingholme
South Humber Bank
Grimsby West
Humber Refinery
Saltend North
Hedon
Saltend South
Westermost Rough
Humber Gateway
Hornsea 1+2
Triton Knoll
Race Bank
Dudgeon
Lincs
Sheringham Shoal
VIKING
To Denmark
Stocksbridge
Winco Bank
Neepsend
Sheffield City
Jordanthorpe
Pilsmoor
West Melton
Aldwarke
Thrybergh
Brinsworth
Tinsley park
Norton Lees
Chesterfield
High Marnham
West Burton
Cottam
Staythorpe
Stoke Bardolph
Ratcliffe on Soar
Willington East
Drakelow
Rugeley
Bushbury
Willenhall
Bustleholm
Oldbury Hall
Nechells
Coventry
Berkswell
Osbaston
Oldbury
Kitwell
Feckenham
Bishops Wood
Ironbridge
Shrewsbury
Penn
Market Harborough
Enderby
Grendon
Patford Bridge
East Claydon
Leighton Buzzard
Cowley
Culham
Didcot
Amersham Main
Waltham
Iver
Ryhall
Spalding North
Walpole
Sutton Bridge
Boston
Necton
Norwich Main
Burwell Main
Eaton Socon
Bicker Fen
Wymondley
Pelham
Braintree
Bulls Lodge
Rye House
Gunfleet Sands I&II
Greater Gabbard
Galloper
East Anglia ONE
Bramford
Bizewell
Sundon

Appendix C Y2 2026_2027 GB Electricity network & power flows

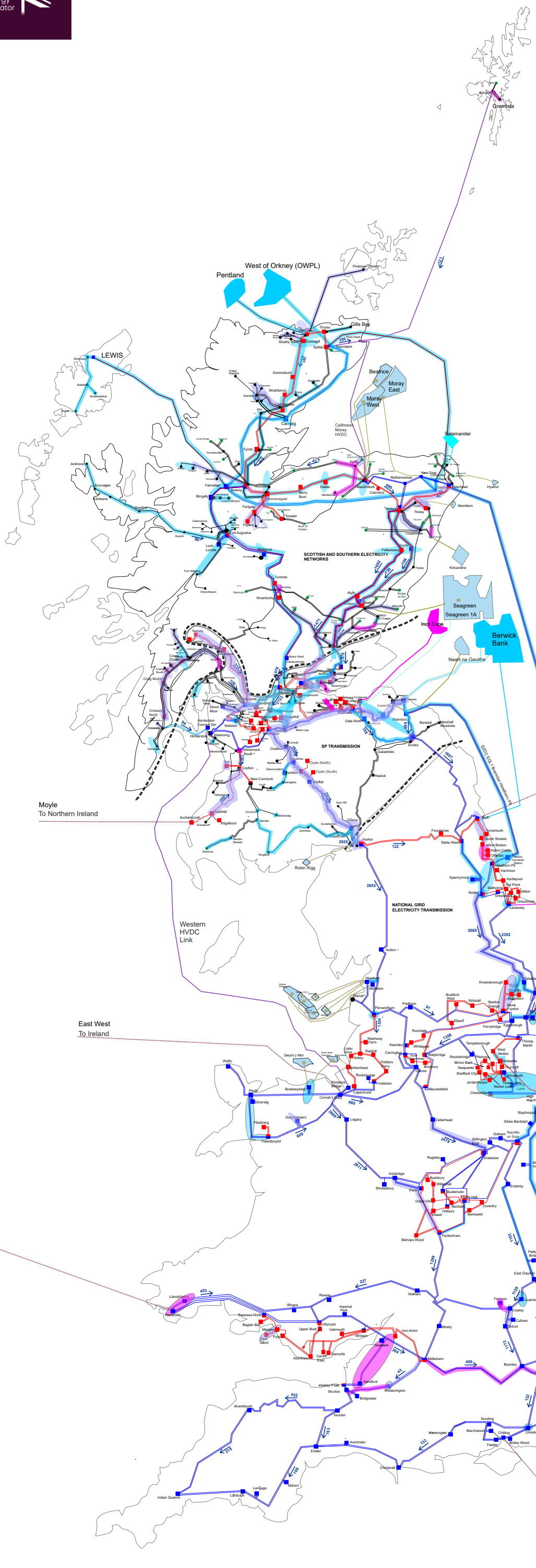


Appendix C Y4 2028_2029 GB Electricity Network & power flows



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Appendix C Y6 2030_2031 GB Electricity Network & power flows



Power Flow legend

- Y6 power flow (MW)

Recommended Network Changes

- Y2 changes - pink
- Y4 changes - mauve
- Y6 changes - blue

LEGEND

Transmission substations

- 400kV
- 275kV
- 132kV
- other* substations

Existing offshore windfarms

Circuits

- 400kV
- 275kV
- 220kV
- 132kV
- existing offshore circuits
- HVDC
- Interconnectors (as per IC register)

Other drawings

- Approximate border between SSEN, SPT and NGET

Note1:The map is a representation of the existing NETS (GB electricity transmission network - on land and offshore), based on the ETYS2025 Years 1, 2, 4, 6 and 9, thus the routes and components of the network are only for illustrative purposes and should be taken as approximate location of assets. For details of the existing assets location or future network changes or recommended upgrades, see each transmission owner future projects website (SSEN Transmission at https://www.ssen-transmission.co.uk/projects/, SPT at https://www.spenergynetworks.co.uk/pages/investment_innovation.aspx and NGET at https://www.nationalgrid.com/the-great-grid-upgrade).

Note2: *Other* substations (represented in green, mainly in SSEN area) are other non-MITS 132kV substations or connection points; for more details please enquire the owner of the transmission system.

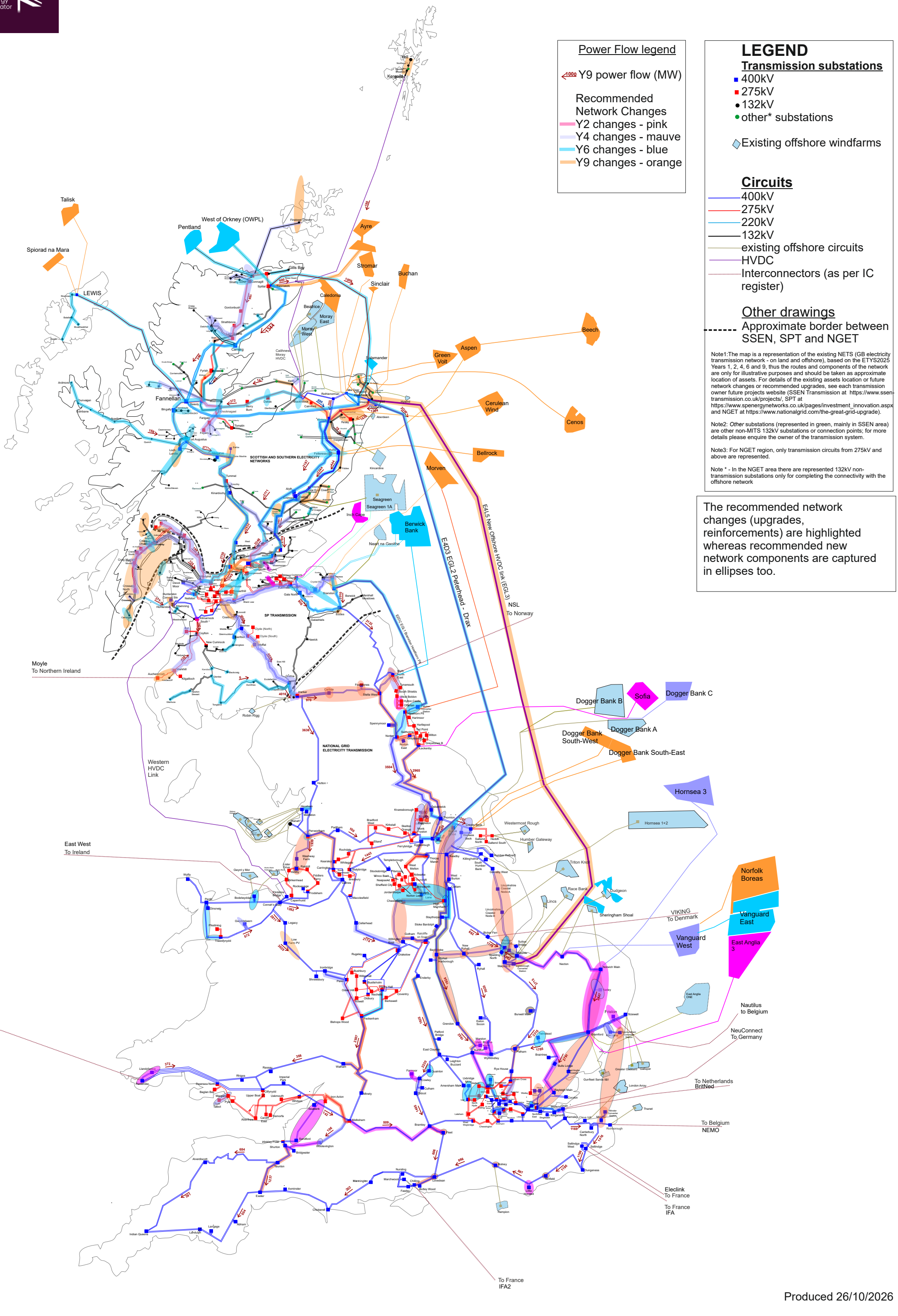
Note3: For NGET region, only transmission circuits from 275kV and above are represented.

Note * - In the NGET area there are represented 132kV non-transmission substations only for completing the connectivity with the offshore network

The recommended network changes (upgrades, reinforcements) are highlighted whereas recommended new network components are captured in ellipses too.

Produced 26/10/2026

Appendix C Y9 2033_2034 GB Electricity Network & power flows



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