nationalgrid

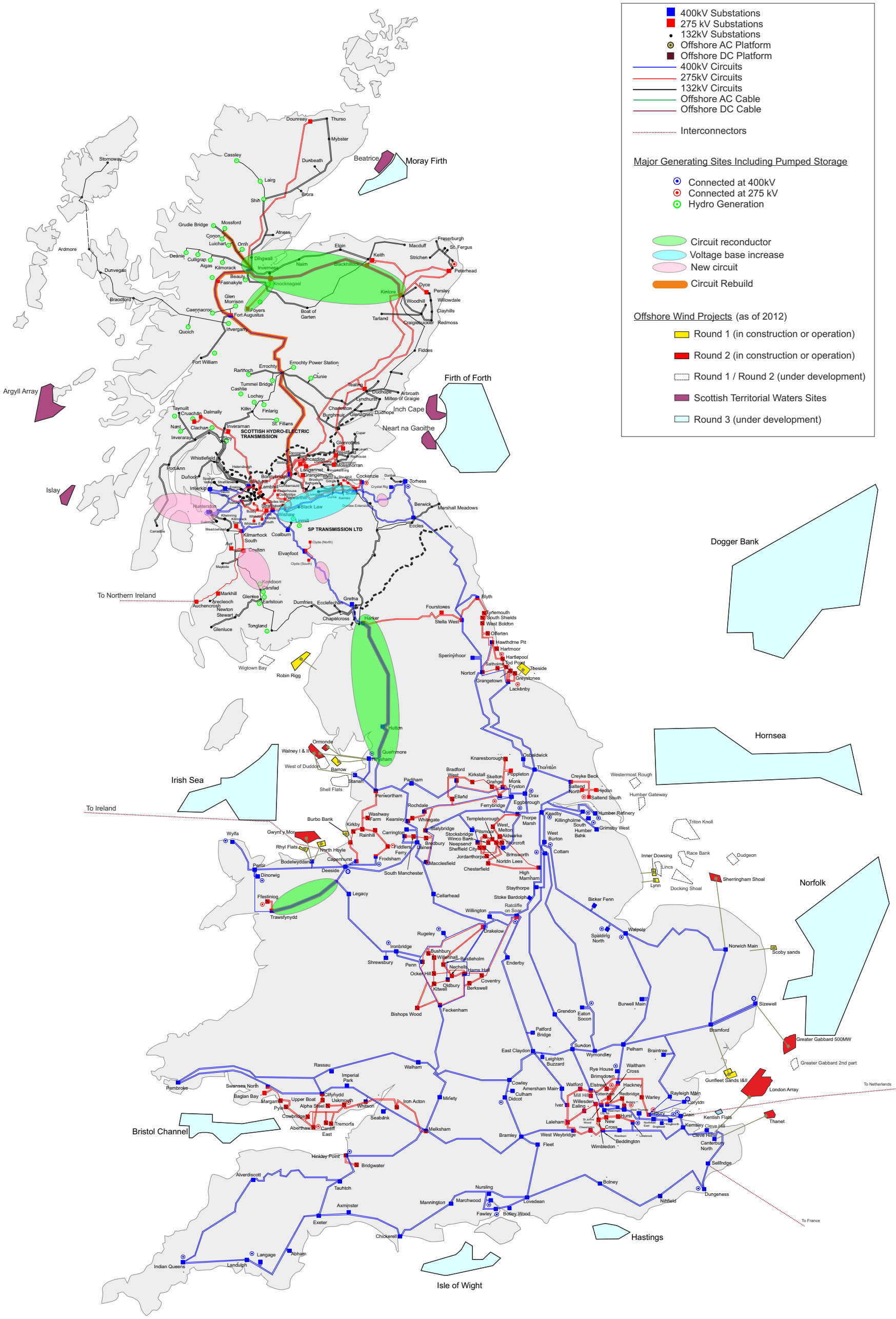
Electricity Ten Year Statement 2012

Appendix A4

System Maps / Schematics (Accelerated Growth)

CONTENTS

Figure A4.1a: Accelerated Growth 2015 Transmission System Scenario



This map is for illustrative purposes only and is the result of preliminary desk top study using information available at the time of analysis.
Detailed site analysis would need to be undertaken to establish actual routeing (both onshore and offshore).

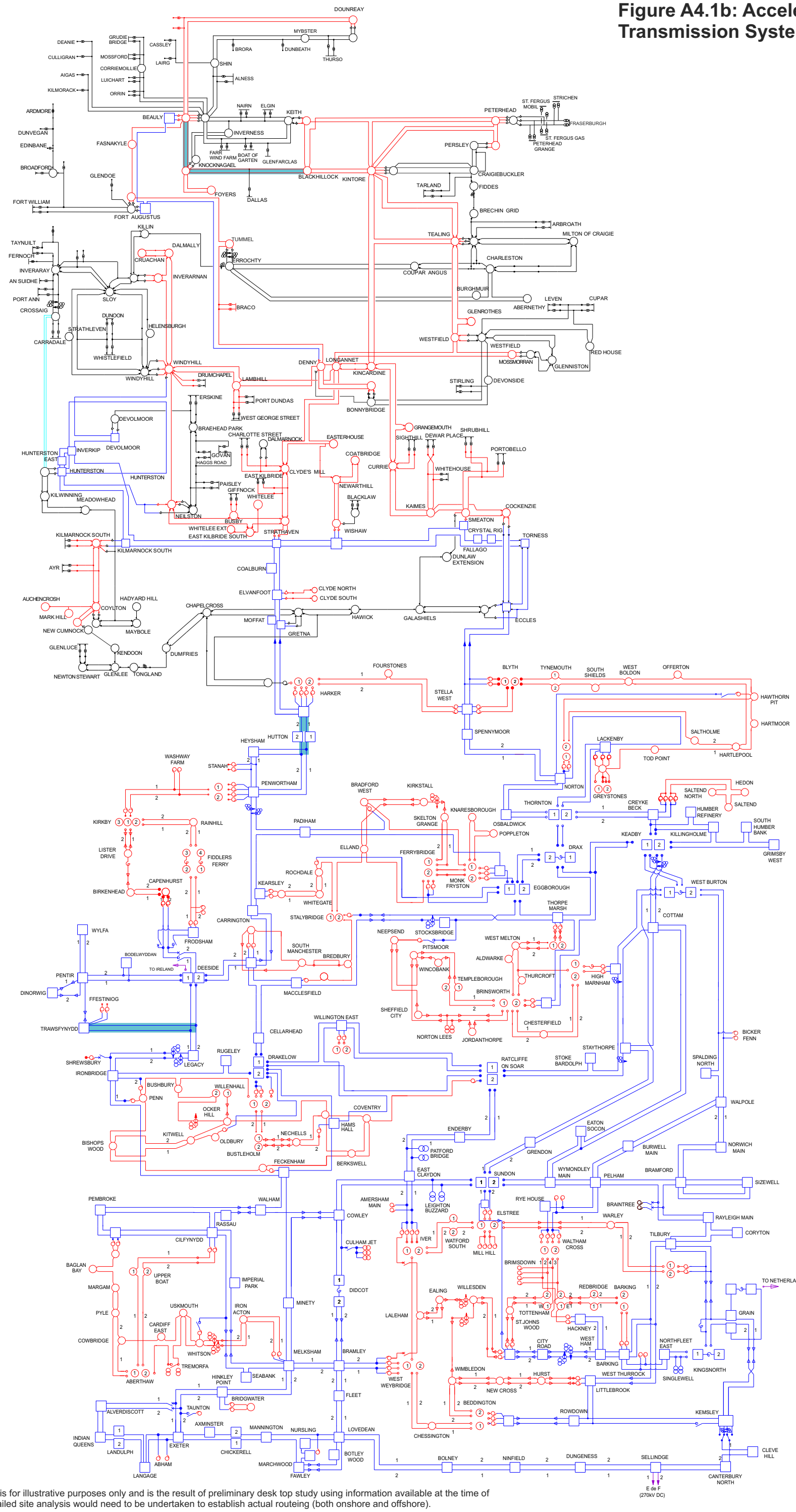
AG 2015

Figure A4.1b: Accelerated Growth 2015 Transmission System Scenario

SHE TRANSMISSION

SP TRANSMISSION

NATIONAL GRID



Legend

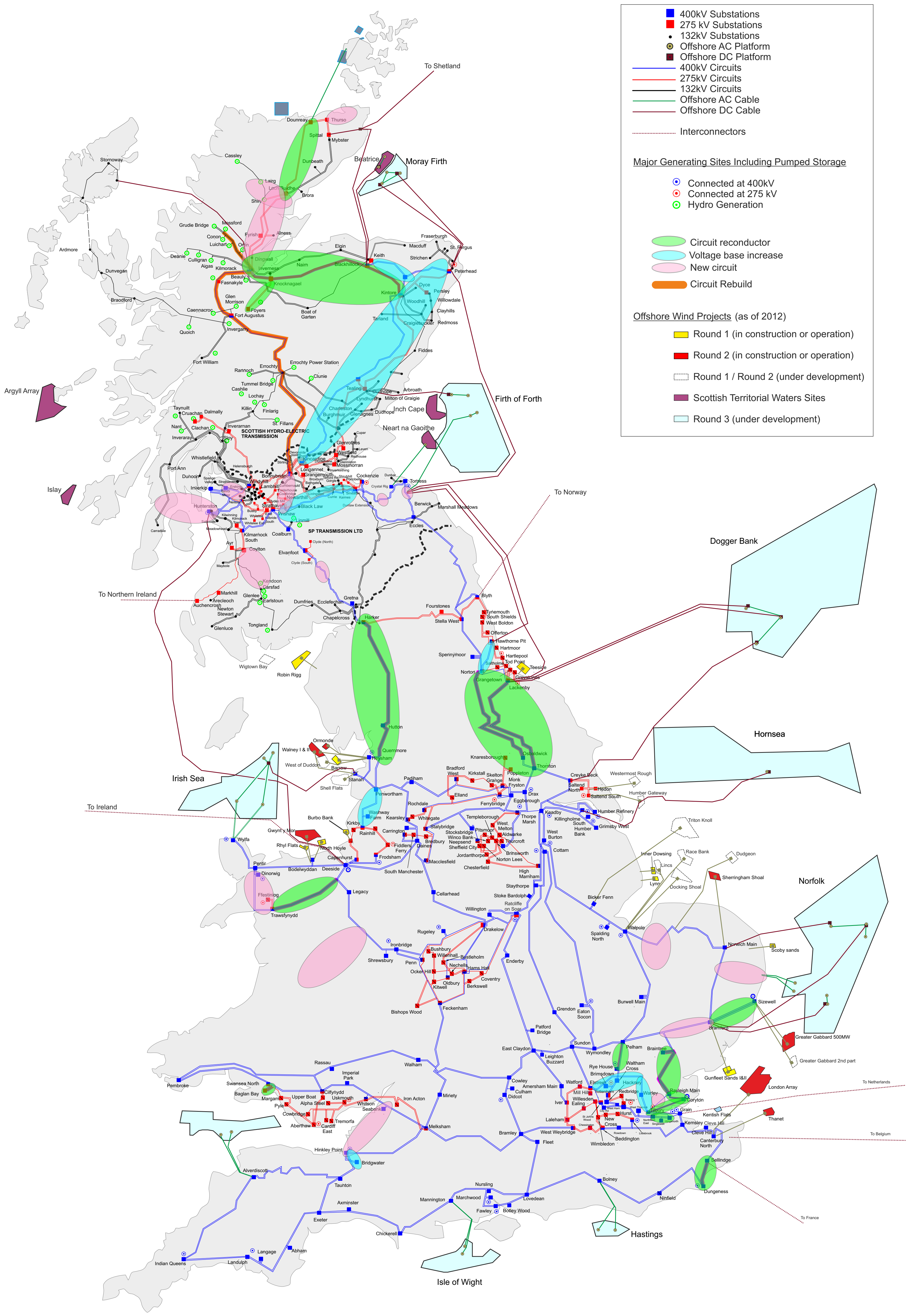
- 400kV Circuit
- 275kV Circuit
- 132kV Circuit
- 400kV Substation
- 275kV Substation
- 132kV Substation
- Offshore AC
- Offshore HVDC
- Offshore Platform
- Reconductoring (Load-related)

Note: Not all radial 132kV circuits are indicated on this diagram

AG 2015

This diagram is for illustrative purposes only and is the result of preliminary desk top study using information available at the time of analysis. Detailed site analysis would need to be undertaken to establish actual routeing (both onshore and offshore).

Figure A4.2a: Accelerated Growth 2020 Transmission System Scenario



This map is for illustrative purposes only and is the result of preliminary desk top study using information available at the time of analysis.
Detailed site analysis would need to be undertaken to establish actual routeing (both onshore and offshore).

AG 2020

Figure A4.2b: Accelerated Growth 2020 Transmission System Scenario

SHE TRANSMISSION

SP TRANSMISSION

NATIONAL GRID

WESTERN HVDC

WYLFA - PEMBROKE HVDC

DOUNREAY
To Orkney
HVDC to Shetland
LOCH BUIDHE
MYBSTER
THURSO
BRORA
SPITTAL
DUNBEATH
Onshore HVDC
(DC Switching Station)
Moray Firth
Beatrice
To Western Isles
DEANIE
GRUDIE BRIDGE
CASSLEY
CULLIGRAN
MOSSFORD
LAIRG
SHIN
AIGAS
CORRIEMOILLIE
FYRISH
ALNESS
LUICHART
KILMORACK
ORRIN
ARDMORE
NAIRN
ELGIN
KEITH
ROTHIENORMAN
PETERHEAD
ST. FERGUS MOBIL
STRICHEN
FRASERBURGH
ST. FERGUS GAS
PETERHEAD GRANGE
BEAULY
DUNVEGAN
INVERNESS
EDINBANE
FASNAKYLE
FARR WIND FARM
BOAT OF GARTEN
GLENFARCLAS
KNOCKNAGAEL
KINTORE
PERSLEY
BROADFORD
GLENDOE
FOYERS
DALLAS
BLACKHILLOCK
CRAIGIEBUCKLER
TARLAND
FIDDES
FORT WILLIAM
FORT AUGUSTUS
BRECHIN GRID
ARBROATH
KILLIN
ALYTH
TEALING
MILTON OF CRAIGIE
TAYNUILT
TUMMEL
DALMALLY
FERNOCH
CRUACHAN
ERROCHTY
CHARLESTON
INVERARAY
INVERARNAN
COUPAR ANGUS
AN SUIDHE
BURGHMUIR
PORT ANN
SLOY
LEVEN
CUPAR
ABERNETHY
CROSSAIG
BRACO
GLENROTHES
DUNOON
EASTERN HVDC 3
STRATHLEVEN
HELENSBURGH
WESTFIELD
EASTERN HVDC 1
CARRADALE
WHISTLEFIELD
WESTFIELD
RED HOUSE
MOSSMORRAN
GLENNISTON
WINDYHILL
DENNY
LONGANNET
KINCARDINE
DRUMCHAPEL
LAMBHILL
STIRLING
DEVONSIDE
ERSKINE
BONNYBRIDGE
PORT DUNDAS
DEVOLMOOR
WEST GEORGE STREET
GRANGEMOUTH
SHRUBHILL
BRAEHEAD PARK
CHARLOTTE STREET
DALMARNOCK
SIGHTHILL
DEWAR PLACE
EASTERHOUSE
PORTOBELLO
HUNTERSTON EAST
INVERKIP
DEVOLMOOR
GOVAN
HAGGS ROAD
COATBRIDGE
CURRIE
WHITEHOUSE
HUNTERSTON
CLYDE'S MILL
EAST KILBRIDE
PAISLEY
NEWARTHILL
KILWINNING
MEADOWHEAD
GIFFNOCK
WHITELEE
BLACKLAW
KAIMES
COCKENZIE
NEILSTON
BUSBY
SMEATON
WHITELEE EXT
WISHAW
CRYSTAL RIG
KILMARNOCK SOUTH
EAST KILBRIDE SOUTH
STRATHAVEN
TORNESS
FALLAGO
DUNLAW EXTENSION
Neart na Gaoithe
AYR
COALBURN
ELVANFOOT
CLYDE NORTH
CLYDE SOUTH
AUCHENCROSH
HADYARD HILL
CHAPELCROSS
HAWICK
GALASHIELS
ECCLES
TO NORTHERN IRELAND
MARK HILL
COYLTON
MOFFAT
NEW CUMNOCK
MAYBOLE
GRETNA
EASTERN HVDC 3
EASTERN HVDC 2
EASTERN HVDC 1
GLENLUCE
KENDOON
DUMFRIES
TO NORWAY
BLYTH
TYNEMOUTH
SOUTH SHIELDS
WEST BOLDON
OFFERTON
NEWTON STEWART
GLENLEE
TONGLAND
FOURSTONES
HAWTHORN PIT
HARKER
STELLA WEST
HARTMOOR
Dogger Bank Offshore Windfarm
LACKENBY
SALTHOLME
SPENNYMOOR
TOD POINT
HARTLEPOOL
HEYSHAM
HUTTON
GREYSTONES
WASHWAY FARM
STANAH
PENWORTHAM
BRADFORD WEST
KIRKSTALL
THORNTON
SALTEND NORTH
HEDON
SALTEND
KIRKBY
RAINHILL
SKELTON GRANGE
KNARESBOROUGH
HUMBER REFINERY
CREYKE BECK
PADIHAM
OSBALDWICK
POPPLETON
KEADBY
HUMBER BANK
KILLINGHOLME
FIDDLERS FERRY
ELLAND
DRAX
GRIMSBY WEST
LISTER DRIVE
FERRYBRIDGE
Irish Sea Integration
ROCHDALE
MONK FRYSTON
WEST BURTON
CAPENHURST
KEARSLEY
EGGBOROUGH
BIRKENHEAD
WHITEGATE
THORPE MARSH
STALYBRIDGE
COTTAM
CARRINGTON
NEEPSEND
STOCKSBRIDGE
WYLFA
FRODSHAM
WEST MELTON
Hornsea Offshore Windfarm
SOUTH MANCHESTER
BREDBURY
PITSMOOR
ALDWARKE
BODELWYDDAN
TO IRELAND
DEESIDE
WINCOBANK
THURCROFT
PENTIR
DAINES
TEMPLEBOROUGH
HIGH MARNHAM
HVDC to Ireland
DINORWIG
MACCLESFIELD
BRINSWORTH
FFESTINIOG
SHEFFIELD CITY
CHESTERFIELD
TRAWSFYNYDD
NORTON LEES
JORDANTHORPE
BICKER FENN
MIDWALES
CELLARHEAD
WILLINGTON EAST
RUGELEY
LEGACY
DRAKELOW
RATCLIFFE ON SOAR
STAYTHORPE
STOKE BARDOLPH
SPALDING NORTH
SHREWSBURY
IRONBRIDGE
BUSHBURY
WILLENHALL
PENN
OCKER HILL
COVENTRY
East Anglia Offshore Windfarm
WALPOLE
KITWELL
HAMS HALL
NECHELLS
KINGSLYNN
ENDERBY
EATON SOCON
LITTLE DUNHAM
OLDBURY
BUSTLEHOLM
GRENDON
BURWELL MAIN
NORWICH MAIN
LOWESTOFT
BISHOPS WOOD
FECKENHAM
BERKSWELL
PATFORD BRIDGE
EAST CLAYDON
SUNDON
WYMONDLEY MAIN
PELHAM
BRAMFORD
SIZEWELL
PEMBROKE
RHIGOS
WALHAM
AMERSHAM MAIN
LEIGHTON BUZZARD
ELSTREE
RYE HOUSE
BRAINTREE
RASSAU
COWLEY
WARLEY
RAYLEIGH MAIN
CILFYNYDD
CULHAM JET
IVER
WATFORD SOUTH
WALTHAM CROSS
TILBURY
CORYTON
BAGLAN BAY
UPPER BOAT
MILL HILL
BRIMSDOWN
MARGAM
IMPERIAL PARK
DIDCOT
EALING
WILLESDEN
REDBRIDGE
BARKING
TO NETHERLANDS
PYLE
USKMOUTH
IRON ACTON
MINETY
LALEHAM
TOTTENHAM
GRAIN
CARDIFF EAST
ST.JOHNS WOOD
HACKNEY
COWBRIDGE
WHITSON
CITY ROAD
WEST HAM
NORTHFLEET EAST
MELKSHAM
BRAMLEY
BARKING
TREMORFA
WIMBLEDON
HURST
KINGSNORTH
ABERTHAW
WEST WEYBRIDGE
WEST THURROCK
SEABANK
HINKLEY POINT B
NEW CROSS
SINGLEWELL
HINKLEY POINT C
FLEET
LITTLEBROOK
SANDFORD
BEDDINGTON
ALVERDISCOTT
TAUNTON
ROWDOWN
KEMSLEY
AXMINSTER
MANNINGTON
NURSLING
LOVEDEAN
Atlantic Array
INDIAN QUEENS
EXETER
CHESSINGTON
CLEVE HILL
LANDULPH
CHICKERELL
BOTLEY WOOD
BOLNEY
NINFIELD
DUNGENESS
SELLINDGE
TO BELGIUM
ABHAM
MARCHWOOD
FAWLEY
CANTERBURY NORTH
LANGAGE
E de F (270kV DC)

Legend

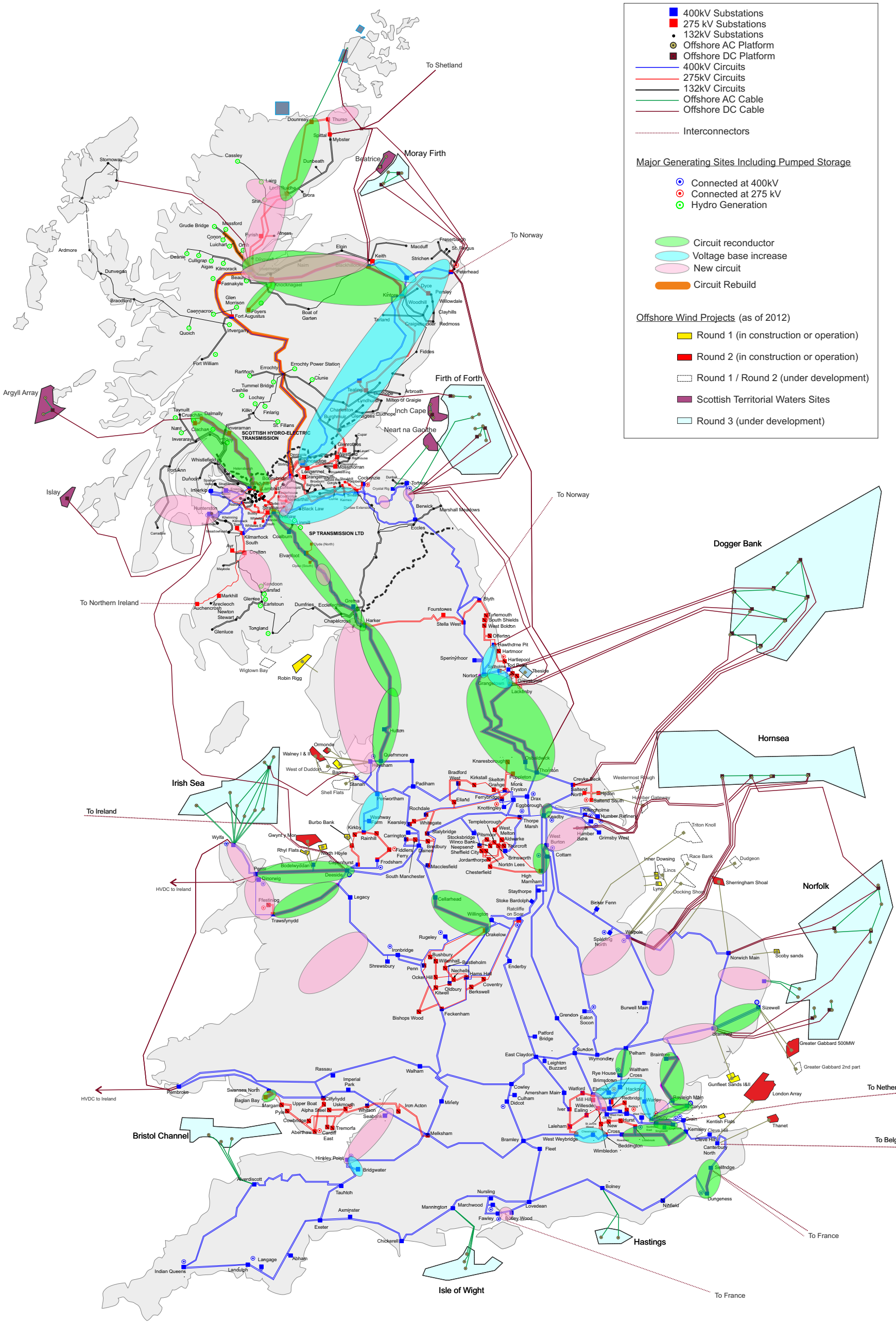
- 400kV Circuit
- 275kV Circuit
- 132kV Circuit
- 400kV Substation
- 275kV Substation
- 132kV Substation
- Offshore AC
- Offshore HVDC
- Offshore Platform
- Reconductoring (Load-related)

Note: Not all radial 132kV circuits are indicated on this diagram

AG 2020

This diagram is for illustrative purposes only and is the result of preliminary desk top study using information available at the time of analysis. Detailed site analysis would need to be undertaken to establish actual routeing (both onshore and offshore).

Figure A4.3a: Accelerated Growth 2025 Transmission System Scenario



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Detailed site analysis would need to be undertaken to establish actual routeing (both onshore and offshore).

AG 2025

Figure A4.3b: Accelerated Growth 2025 Transmission System Scenario

SHE TRANSMISSION

SP TRANSMISSION

NATIONAL GRID

DOUNREAY
To Orkney
HVDC to Shetland
Moray Firth
Beatrice
Onshore HVDC
(DC Switching Station)
To Western Isles
LOCH BUIDHE
MYBSTER
THURSO
SPITTAL
DUNBEATH
GILLS BAY
BRORA
SHIN
ALNESS
FYRISH
LAIRG
CASSLEY
GRUDIE BRIDGE
DEANIE
CULLIGRAN
MOSSFORD
AIGAS
CORRIEMOILLIE
LUICHART
KILMORACK
ORRIN
ARDMORE
DUNVEGAN
EDINBANE
BROADFORD
BEAULY
NAIRN
ELGIN
KEITH
INVERNESS
FARR WIND FARM
BOAT OF GARTEN
GLENFARCLAS
KNOCKNAGAEL
FASNAKYLE
GLENDOE
FOYERS
DALLAS
BLACKHILLOCK
FORT WILLIAM
FORT AUGUSTUS
Argyll Array
ROTHIENORMAN
PETERHEAD
TO NORWAY
ST. FERGUS MOBIL
STRICHEN
FRASERBURGH
ST. FERGUS GAS
PETERHEAD GRANGE
KINTORE
PERSLEY
CRAIGIEBUCKLER
FIDDES
TARLAND
BRECHIN GRID
ARBROATH
MILTON OF CRAIGIE
ALYTH
TEALING
CHARLESTON
COUPAR ANGUS
TUMMEL
ERROCHTY
BRACO
KILLIN
DALMALLY
CRUACHAN
INVERARNAN
TAYNUILT
FERNOCH
INVERARAY
AN SUIDHE
PORT ANN
CROSSAIG
SLOY
DUNOON
STRATHLEVEN
HELENSBURGH
CARRADALE
WHISTLEFIELD
BURGHMUIR
LEVEN
CUPAR
ABERNETHY
GLENROTHES
WESTFIELD
WESTFIELD
MOSSMORRAN
GLENNISTON
RED HOUSE
EASTERN HVDC 3
EASTERN HVDC 1
WINDYHILL
WINDYHILL
DENNY
LONGANNET
KINCARDINE
STIRLING
DEVONSIDE
DRUMCHAPEL
LAMBHILL
BONNYBRIDGE
ERSKINE
PORT DUNDAS
WEST GEORGE STREET
Islay
DEVOLMOOR
DEVOLMOOR
BRAEHEAD PARK
CHARLOTTE STREET
DALMARNOCK
EASTERHOUSE
COATBRIDGE
CURRIE
SIGHTHILL
DEWAR PLACE
SHRUBHILL
PORTOBELLO
WHITEHOUSE
Firth of Forth
Inch Cape
HUNTERSTON EAST
INVERKIP
HUNTERSTON
HUNTERSTON
GOVAN
HAGGS ROAD
EAST KILBRIDE
CLYDE'S MILL
NEWARTHILL
BLACKLAW
KAIMES
COCKENZIE
KILWINNING
MEADOWHEAD
PAISLEY
GIFFNOCK
WHITELEE
NEILSTON
BUSBY
WHITELEE EXT
EAST KILBRIDE SOUTH
STRATHAVEN
WISHAW
SMEATON
CRYSTAL RIG
TORNESS
FALLAGO
DUNLAW EXTENSION
Neart na Gaoithe
KILMARNOCK SOUTH
KILMARNOCK SOUTH
AYR
WESTERN HVDC
COALBURN
ELVANFOOT
CLYDE NORTH
CLYDE SOUTH
AUCHENCROSH
TO NORTHERN IRELAND
MARK HILL
COYLTON
HADYARD HILL
MAYBOLE
NEW CUMNOCK
CHAPELCROSS
MOFFAT
GRETNA
HAWICK
GALASHIELS
ECCLES
GLENLUCE
NEWTON STEWART
KENDOON
GLENLEE
TONGLAND
DUMFRIES
EASTERN HVDC 3
EASTERN HVDC 2
EASTERN HVDC 1
TO NORWAY
BLYTH
TYNEMOUTH
SOUTH SHIELDS
WEST BOLDON
OFFERTON
HAWTHORN PIT
SALTHOLME
HARTMOOR
HARTLEPOOL
TOD POINT
LACKENBY
SPENNYMOOR
GREYSTONES
FOURSTONES
HARKER
STELLA WEST
Dogger Bank Offshore Windfarm
HEYSHAM
HUTTON
WASHWAY FARM
STANAH
PENWORTHAM
PADIHAM
KIRKBY
RAINHILL
FIDDLERS FERRY
LISTER DRIVE
CAPENHURST
BIRKENHEAD
BRADFORD WEST
KIRKSTALL
SKELTON GRANGE
KNARESBOROUGH
OSBALDWICK
POPPLETON
THORNTON
NORTON
SALTEND NORTH
HEDON
SALTEND
HUMBER REFINERY
CREYKE BECK
SOUTH HUMBER BANK
KEADBY
KILLINGHOLME
GRIMSBY WEST
ELLAND
FERRYBRIDGE
ROCHDALE
KEARSLEY
WHITEGATE
MONK FRYSTON
DRAX
EGGBOROUGH
WEST BURTON
THORPE MARSH
COTTAM
Irish Sea Integration
WYLFA
FRODSHAM
BODELWYDDAN
TO IRELAND
DEESIDE
PENTIR
DINORWIG
FFESTINIOG
TRAWSFYNYDD
MIDWALES
HVDC to Ireland
CARRINGTON
STALYBRIDGE
SOUTH MANCHESTER
BREDBURY
DAINES
MACCLESFIELD
NEEPSEND
STOCKSBRIDGE
PITSMOOR
WINCOBANK
TEMPLEBOROUGH
BRINSWORTH
WEST MELTON
ALDWARKE
THURCROFT
HIGH MARNHAM
Hornsea Offshore Windfarm
SHREWSBURY
IRONBRIDGE
LEGACY
RUGELEY
DRAKELOW
CELLARHEAD
WILLINGTON EAST
RATCLIFFE ON SOAR
STOKE BARDOLPH
STAYTHORPE
SPALDING NORTH
BICKER FENN
East Anglia Offshore Windfarm
BUSHBURY
PENN
WILLENHALL
OCKER HILL
KITWELL
OLDBURY
BUSTLEHOLM
NECHELLS
HAMS HALL
COVENTRY
BISHOPS WOOD
FECKENHAM
BERKSWELL
SHEFFIELD CITY
NORTON LEES
JORDANTHORPE
CHESTERFIELD
ENDERBY
PATFORD BRIDGE
GRENDON
EATON SOCON
BURWELL MAIN
LITTLE DUNHAM
KINGSLYNN
NORWICH MAIN
LOWESTOFT
WALPOLE
WYMONDLEY MAIN
BRAMFORD
PELHAM
SIZEWELL
EAST CLAYDON
SUNDON
AMERSHAM MAIN
LEIGHTON BUZZARD
ELSTREE
RYE HOUSE
BRAINTREE
WARLEY
RAYLEIGH MAIN
CORYTON
TILBURY
PEMBROKE
RHIGOS
WALHAM
WYLFA - PEMBROKE HVDC
HVDC to Ireland
RASSAU
CILFYNYDD
COWLEY
CULHAM JET
IVER
WATFORD SOUTH
MILL HILL
WALTHAM CROSS
BRIMSDOWN
BAGLAN BAY
UPPER BOAT
MARGAM
PYLE
COWBRIDGE
IMPERIAL PARK
USKMOUTH
CARDIFF EAST
WHITSON
TREMORFA
ABERTHAW
MINETY
IRON ACTON
MELKSHAM
DIDCOT
BRAMLEY
EALING
WILLESDEN
LALEHAM
TOTTENHAM
HACKNEY
REDBRIDGE
BARKING
CITY ROAD
WEST HAM
BARKING
NORTHFLEET EAST
KINGSNORTH
SINGLEWELL
GRAIN
TO NETHERLANDS
ST.JOHNS WOOD
WIMBLEDON
HURST
WEST THURROCK
LITTLEBROOK
NEW CROSS
BEDDINGTON
WEST WEYBRIDGE
CHESSINGTON
ROWDOWN
KEMSLEY
HINKLEY POINT C
HINKLEY POINT B
SEABANK
SANDFORD
TAUNTON
BRIDGWATER
FLEET
ALVERDISCOTT
AXMINSTER
MANNINGTON
NURSLING
LOVEDEAN
INDIAN QUEENS
LANDULPH
EXETER
CHICKERELL
ABHAM
LANGAGE
MARCHWOOD
FAWLEY
BOTLEY WOOD
TO FRANCE
BOLNEY
NINFIELD
DUNGENESS
SELLINDGE
E de F (270kV DC)
TO FRANCE
CLEVE HILL
TO BELGIUM
CANTERBURY NORTH
Atlantic Array

Legend

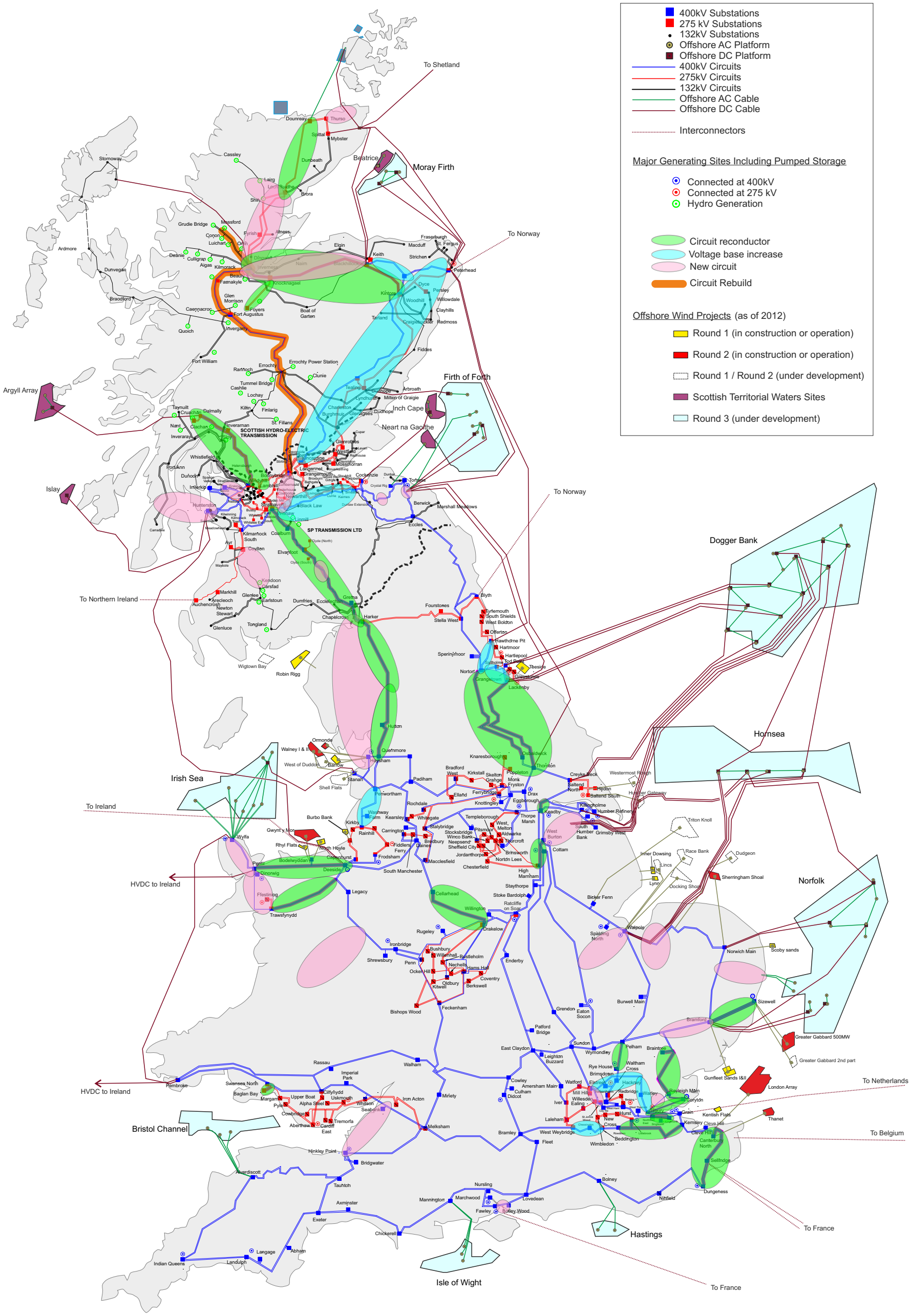
- 400kV Circuit
- 275kV Circuit
- 132kV Circuit
- 400kV Substation
- 275kV Substation
- 132kV Substation
- Offshore AC
- Offshore HVDC
- Offshore Platform
- Reconductoring (Load-related)

Note: Not all radial 132kV circuits are indicated on this diagram

AG 2025

This diagram is for illustrative purposes only and is the result of preliminary desk top study using information available at the time of analysis. Detailed site analysis would need to be undertaken to establish actual routeing (both onshore and offshore).

Figure A4.4a: Accelerated Growth 2030 Transmission System Scenario



This map is for illustrative purposes only and is the result of preliminary desk top study using information available at the time of analysis.
Detailed site analysis would need to be undertaken to establish actual routeing (both onshore and offshore).

AG 2030

Figure A4.4b: Accelerated Growth 2030 Transmission System Scenario

SHE TRANSMISSION

SP TRANSMISSION

NATIONAL GRID

WESTERN HVDC

WYLFA - PEMBROKE HVDC

EASTERN HVDC 1

EASTERN HVDC 2

EASTERN HVDC 3

DOUNREAY
To Orkney
HVDC to Shetland
Moray Firth
Beatrice
Onshore HVDC
(DC Switching Station)
To Western Isles
LOCH BUIDHE
MYBSTER
THURSO
BRORA
DUNBEATH
SPITTAL
GILLS BAY
DEANIE
GRUDIE BRIDGE
CASSLEY
CULLIGRAN
MOSSFORD
LAIRG
SHIN
AIGAS
CORRIEMOILLIE
FYRISH
ALNESS
LUICHART
KILMORACK
ORRIN
ARDMORE
BEAULY
NAIRN
ELGIN
KEITH
ROTHIENORMAN
TO NORWAY
ST. FERGUS MOBIL
STRICHEN
PETERHEAD
FRASERBURGH
ST. FERGUS GAS
PETERHEAD GRANGE
DUNVEGAN
INVERNESS
EDINBANE
FASNAKYLE
FARR WIND FARM
BOAT OF GARTEN
GLENFARCLAS
KNOCKNAGAEL
KINTORE
PERSLEY
BROADFORD
GLENDOE
CRAIGIEBUCKLER
TARLAND
FIDDES
FOYERS
DALLAS
BLACKHILLOCK
Argyll Array
FORT WILLIAM
FORT AUGUSTUS
BRECHIN GRID
ARBROATH
KILLIN
TAYNUILT
TUMMEL
ALYTH
TEALING
MILTON OF CRAIGIE
DALMALLY
FERNOCH
CRUACHAN
ERROCHTY
CHARLESTON
INVERARAY
INVERARNAN
COUPAR ANGUS
AN SUIDHE
BURGHMUIR
PORT ANN
SLOY
LEVEN
CUPAR
ABERNETHY
CROSSAIG
BRACO
DUNOON
GLENROTHES
STRATHLEVEN
HELENSBURGH
WESTFIELD
CARRADALE
WESTFIELD
RED HOUSE
WHISTLEFIELD
MOSSMORRAN
GLENNISTON
WINDYHILL
DENNY
LONGANNET
KINCARDINE
DRUMCHAPEL
LAMBHILL
STIRLING
DEVONSIDE
WINDYHILL
ERSKINE
BONNYBRIDGE
PORT DUNDAS
Islay
DEVOLMOOR
WEST GEORGE STREET
GRANGEMOUTH
SHRUBHILL
BRAEHEAD PARK
CHARLOTTE STREET
DALMARNOCK
EASTERHOUSE
SIGHTHILL
DEWAR PLACE
PORTOBELLO
HUNTERSTON EAST
INVERKIP
DEVOLMOOR
GOVAN
HAGGS ROAD
COATBRIDGE
CURRIE
WHITEHOUSE
HUNTERSTON
EAST KILBRIDE
CLYDE'S MILL
Inch Cape
PAISLEY
NEWARTHILL
KILWINNING
MEADOWHEAD
GIFFNOCK
WHITELEE
BLACKLAW
KAIMES
COCKENZIE
NEILSTON
BUSBY
SMEATON
WHITELEE EXT
WISHAW
CRYSTAL RIG
KILMARNOCK SOUTH
EAST KILBRIDE SOUTH
STRATHAVEN
TORNESS
KILMARNOCK SOUTH
FALLAGO
DUNLAW EXTENSION
Neart na Gaoithe
AYR
COALBURN
ELVANFOOT
CLYDE NORTH
CLYDE SOUTH
AUCHENCROSH
HADYARD HILL
CHAPELCROSS
HAWICK
GALASHIELS
ECCLES
TO NORTHERN IRELAND
COYLTON
MARK HILL
MOFFAT
NEW CUMNOCK
MAYBOLE
GRETNA
GLENLUCE
KENDOON
DUMFRIES
NEWTON STEWART
GLENLEE
TONGLAND
FOURSTONES
TO NORWAY
BLYTH
TYNEMOUTH
SOUTH SHIELDS
WEST BOLDON
OFFERTON
HAWTHORN PIT
HARKER
STELLA WEST
SALTHOLME
HARTMOOR
LACKENBY
TOD POINT
HARTLEPOOL
SPENNYMOOR
HEYSHAM
HUTTON
GREYSTONES
NORTON
WASHWAY FARM
STANAH
PENWORTHAM
BRADFORD WEST
KIRKSTALL
THORNTON
SALTEND NORTH
HEDON
SALTEND
KIRKBY
RAINHILL
SKELTON GRANGE
KNARESBOROUGH
HUMBER REFINERY
CREYKE BECK
PADIHAM
OSBALDWICK
POPPLETON
SOUTH HUMBER BANK
KEADBY
KILLINGHOLME
GRIMSBY WEST
FIDDLERS FERRY
LISTER DRIVE
ELLAND
FERRYBRIDGE
DRAX
ROCHDALE
MONK FRYSTON
EGGBOROUGH
CAPENHURST
KEARSLEY
WHITEGATE
BIRKENHEAD
WEST BURTON
THORPE MARSH
STALYBRIDGE
COTTAM
CARRINGTON
NEEPSEND
STOCKSBRIDGE
WEST MELTON
PITSMOOR
ALDWARKE
WINCOBANK
THURCROFT
HIGH MARNHAM
TEMPLEBOROUGH
BRINSWORTH
SHEFFIELD CITY
CHESTERFIELD
NORTON LEES
JORDANTHORPE
STAYTHORPE
SPALDING NORTH
BICKER FENN
STOKE BARDOLPH
RATCLIFFE ON SOAR
WILLINGTON EAST
CELLARHEAD
DRAKELOW
RUGELEY
SHREWSBURY
IRONBRIDGE
LEGACY
BUSHBURY
PENN
WILLENHALL
OCKER HILL
KITWELL
OLDBURY
BUSTLEHOLM
NECHELLS
COVENTRY
HAMS HALL
BERKSWELL
BISHOPS WOOD
FECKENHAM
ENDERBY
PATFORD BRIDGE
EAST CLAYDON
SUNDON
GRENDON
EATON SOCON
BURWELL MAIN
WYMONDLEY MAIN
PELHAM
BRAMFORD
SIZEWELL
LITTLE DUNHAM
KINGS LYNN
NORWICH MAIN
LOWESTOFT
WALPOLE
East Anglia Offshore Windfarm
Dogger Bank Offshore Windfarm
Hornsea Offshore Windfarm
Firth of Forth
Irish Sea Integration
HVDC to Ireland
HVDC to Ireland
Atlantic Array
PEMBROKE
RHIGOS
WALHAM
RASSAU
CILFYNYDD
BAGLAN BAY
UPPER BOAT
MARGAM
IMPERIAL PARK
PYLE
USKMOUTH
IRON ACTON
CARDIFF EAST
COWBRIDGE
WHITSON
TREMORFA
ABERTHAW
HINKLEY POINT C
HINKLEY POINT B
SEABANK
SANDFORD
TAUNTON
BRIDGWATER
ALVERDISCOTT
AXMINSTER
INDIAN QUEENS
LANDULPH
EXETER
ABHAM
LANGAGE
CHICKERELL
MANNINGTON
MARCHWOOD
NURSLING
FAWLEY
TO FRANCE
LOVEDEAN
BOTLEY WOOD
MINETY
MELKSHAM
BRAMLEY
FLEET
DIDCOT
CULHAM JET
COWLEY
AMERSHAM MAIN
LEIGHTON BUZZARD
ELSTREE
IVER
WATFORD SOUTH
MILL HILL
BRIMSDOWN
WALTHAM CROSS
RYE HOUSE
BRAINTREE
WARLEY
RAYLEIGH MAIN
CORYTON
TILBURY
TO NETHERLANDS
GRAIN
EALING
WILLESDEN
LALEHAM
TOTTENHAM
HACKNEY
REDBRIDGE
BARKING
CITY ROAD
WEST HAM
ST.JOHNS WOOD
BARKING
NORTHFLEET EAST
KINGSNORTH
SINGLEWELL
WIMBLEDON
HURST
WEST THURROCK
NEW CROSS
LITTLEBROOK
BEDDINGTON
WEST WEYBRIDGE
ROWDOWN
KEMSLEY
CHESSINGTON
BOLNEY
NINFIELD
DUNGENESS
SELLINDGE
E de F (270kV DC)
TO FRANCE
CLEVE HILL
TO BELGIUM
CANTERBURY NORTH

Legend

- 400kV Circuit
- 275kV Circuit
- 132kV Circuit
- 400kV Substation
- 275kV Substation
- 132kV Substation
- Offshore AC
- Offshore HVDC
- Offshore Platform
- Reconductoring (Load-related)

Note: Not all radial 132kV circuits are indicated on this diagram

AG 2030

This diagram is for illustrative purposes only and is the result of preliminary desk top study using information available at the time of analysis. Detailed site analysis would need to be undertaken to establish actual routeing (both onshore and offshore).