Appendix A: Area schedules

Infrastructure Schedule								
Category	Location	Infrastructure Required	Cost Estimate	Funding Mechanism	Delivery Responsibility	Timescale	Requirements at 2017	2022 Update
Social Infrastructure								
GP Practices	Newark, Balderton & Fernwood	New/expanded GP Practices	£7,904,000	S106/Developer	NHS NSCCG	Consistent with development	New three GP Practice already secured as part of Fernwood development	See Section 5.5. of this IDP Update report
	Ollerton & Boughton	New/expanded GP Practices	£888,250	S106/Developer	NHS NSCCG	Consistent with development	New/expanded GP Practice	See Section 5.5. of this IDP Update report
	Clipstone	Expanded GP Practices	£760,000	S106/Developer	NHS NSCCG	Consistent with development	Additional FTE GPs at existing Practices	See Section 5.5. of this IDP Update report
	Elsewhere	Expanded GP Practices across the district	£1,729,000	S106/Developer	NHS NSCCG	Consistent with development	Additional FTE GPs at existing Practices	See Section 5.5. of this IDP Update report
Primary Schools	Newark, Balderton & Fernwood	Provision of 813 primary school places (equivalent to 2 x 2FE)	£9,312,915	S106/Developer	NCC	Consistent with development	1 x 1.5FE and 1 x 1FE Primary schools to be provided by Land South of Newark, 1 x 2FE and 1 x 1FE primary schools to be provided by Fernwood.	Land south of Newark: 1 x new 1FE school delivered (Christ Church Primary School) and on track to deliver a further 1.5FE. Fernwood: 1 x new school extension delivered - Chuter Ede (Annexe), Fernwood (420 places = 1 x 2 FE) and on track to deliver a new 1FE primary facility. NCC has confirmed that there is a surplus of places in this area which can accommodate planned growth for the next five years
	Ollerton & Boughton	Provision of 196 primary school places	£2,245,180	S106/Developer	NCC	Consistent with development	New 1FE Primary School likley to be required	NCC has confirmed that there is a surplus of places in this area which can accommodate planned growth for the next five years. The requirement for a new primary school will be reviewed as part of the next five year review of the Local Plan.
	Clipstone	Provision of 168 primary school places	£1,924,440	S106/Developer	NCC	Consistent with development	New 1.5FE Primary School likley to be required between Clipstone and Edwinstowe	NCC has confirmed that there is a surplus of places in this area which can accommodate planned growth for the next five years
	Edwinstowe	Provision of 155 primary school places	£1,775,525	S106/Developer	NCC	Consistent with development	New 1.5FE Primary School likley to be required between Clipstone and Edwinstowe	NCC has received an application for a Free School at Thoresby Vale. This is currently being assessed by DfE. Subject to approval, it is on track to open in 2024.
	Elsewhere	Provision of 188 primary school places across the district	£2,153,540	S106/Developer	NCC	Consistent with development	Funding towards extending existing facilities	NCC has confirmed that there is a surplus of places in this area which can accommodate planned growth for the next five years

Secondary Schools	Newark, Balderton & Fernwood	Provision of 1,499 secondary school places	£25,872,740	DfE/EFA	NCC	Consistent with development	Expected to be addressed by the Newark Toot Hill Free School which is planned to open in September 2017	New school delivered - Suthers School (NOVA) at Fernwood provides up to 830 spaces
	Ollerton & Boughton	444 new secondary school places	£7,663,440	CIL	NCC	Consistent with development	Funding towards extending existing facilities (Dukeries Academy)	NCC has confirmed that there is a surplus of places in this area which can accommodate planned growth
	Rainworth	84 new secondary school places	£1,449,840	CIL	NCC	Consistent with development	Funding towards extending existing facilities (Joseph Whitaker School)	NCC has confirmed that there is a surplus of places in this area which can accommodate planned growth
	Southwell	88 new secondary school places	£1,518,880	CIL	NCC	Consistent with development	Funding towards extending existing facilities (Minster Church of England school)	NCC has confirmed that there is a surplus of places in this area which can accommodate planned growth
	Elsewhere	41 new secondary school places	£707,660	CIL	NCC	Consistent with development	Funding towards extending existing facilities (Colonel Frank Seely school and Tuxford Academy)	NCC is currently reviewing provision to the north east of the District. There may be a requirement to expand a school across the boundary in this area. This has been included as a potential CIL project in the IFS.
Libraries	All locations	Provision of additional libarary stock	£621,379	S106/Developer	NCC	Consistent with development	Funding towards library stock items only	NSDC continues to seek contributions for Library Stock. Section 5.8 of this report identifies future requirements.
Waste								
Landfill	District-wide	3.6 million cubic metres non-hazardous Landfill capacity required within County to meet future demands that the District will contribute towards	N/A	NCC	NCC	By 2022/23	Landfill space is running out. Recycling and composting rates are increasing but new landfill capacity will need to be found.	Nottinghamshire and Nottingham Draft Waste Local Plan concludes that, in light of the findings of the Waste Needs Assessment, which indicates generally sufficiency of provision other than for landfilling, it is not considered necessary to make site allocations for waste facilities. Instead, the Draft WLP contains criteria-based policies which will guide development to appropriate locations and new provision will be therefore made through planning applications being approved in light of these policies
Energy from Waste (EfW)	District-wide	200,000 tonnes of extra EfW capacity is required within the County to meet future Commecial and Industrial needs that the District will contribute towards	N/A	NCC	NCC	By 2033	Enough capacity for Local Authority Collected Waste within County but a shortfall of approx' 200,000 tonnes to meet future C&I waste management needs	See above
Municipal Recycling and Composting	District-wide	182,000 tonnes per annum extra recycling and composting capacity required within the County to meet future demands that the District will contribute towards	N/A	NCC	NCC	By 2033	Recycling and composting increasing to meet targets to help reduce demand for landfill.	Sufficient capacity is provided by recycling/composting facilities within the plan area to manage the plan area's LACW and C&I waste up to 2038
Utilities								
Water Supply	All locations	Water company charges for: connecting to the existing networks, requisitioning new assets and contributing to wider network reinforcement (where required)	N/A	Developer funded	Severn Trent Water/An	Consistent	Delivered as part of development	Delivered as part of development

					glian Water	with development		
Gas	All locations	Local connections to strategic infrastructure	N/A	Developer funded	National Grid Gas	Consistent with development	Delivered as part of development	Delivered as part of development
Electricity	All locations	Local connections to strategic infrastructure	N/A	Developer funded	National Grid	Consistent with development	Delivered as part of development	Delivered as part of development
Telecommunications	All locations	FTTP for all developments of 100+ dwellings	N/A	N/A	BT Openreach	Consistent with development	BT Openreach provide free of charge	Delivered as part of development. CityFibre is set to invest £10m in a new town-wide network that will bring fast and reliable Full Fibre-enabled internet services within reach of almost every home and business in Newark.
Waste Water	All locations	Water company charges for: connecting to the existing networks, requisitioning new assets and contributing to wider network reinforcement (where required)	N/A	Developer funded	Severn Trent Water/Anglian Water	Consistent with development	Delivered as part of development	Delivered as part of development
Flood Risk								
Flood Defences	All locations	Local measures to reduce the causes and impacts of flooding. Identified and delivered as part of individual developments	N/A	Developer funded	Developer	Consistent with development	Delivered as part of development	CIL project identified for Tolney Lane, Newark to deliver an access road/flood alleviation scheme
Green Infrastructure								
Green Infrastructure	All locations	Green Infrastructure to be provided by developments in areas with shortfalls and negative changes in provision as a result of the planned growth. Costs to be identified at planning application stage and new Green Infrastructure delivered and funded by developers as an integral part of developments.	N/A	Developer funded	Developer	Consistent with development	Delivered as part of development	Delivered as part of development
Transport								
Highway Improvements	Newark, Balderton & Fernwood	A1 Overbridge widening, Fernwood, Newark	£5,600,000	CIL	NCC	Consistent with development		£5.6 million funding now secured through CIL receipts
		A46/A617 Cattle Market Roundabout, Newark	£3,600,000	DfT Funded	National Highways	Post 2020 as part of RIS2	To be identified as part National Highways improvement scheme for RIS 2 funding.	The scheme is progressing well and is on track to commence development in 2025, with completion by 2030.
		A1/A17 Friendly Farmer Roundabout, Newark	£2,400,000	DfT Funded	National Highways			
		A1/A46 Brownhills Roundabout, Newark	£2,400,000	DfT Funded	National Highways			
		A46 Link Capacity, Newark	£600,000	DfT Funded	National Highways			
		A46(T)/A1133/Drove Lane (A46 Winthorpe Roundabout), Winthorpe	£3,600,000	DfT Funded	National			

					High-ways			
		London Road, Portland Street Junction, Newark	£60,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2022
		Barnby Gate, Sherwood Avenue Junction, Newark	£60,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2023
		Lincoln Road, Brunel Drive Junction, Newark	£300,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2024
		Lincoln Road, Northern Road Junction, Newark	£240,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2025
		Castle Gate, Lombard Street Junction, Newark	£300,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2026
		Beacon Hill Road, Northern Road Junction, Newark	£144,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2027
		Sleaford Road / Friary Road Junction, Newark	£300,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2028
		Queens Road / North Gate, Newark	£240,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2029
		Northern Rd/Brunel Drive, Newark	£500,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2030
		Kelham Bypass Scheme	£5,000,000	D2N2/CIL	NCC	Con-sistent with de-velop-ment	Partial funding of the total scheme cost of £15m as-sumed via CIL	See IDP Transport Report 2031
	Lowdham	A6097 / A612 Lowdham Junction, Lowdham	£1,500,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2032
	Eakring	A614 Mickledale Lane Junction, Eakring	£300,000	CIL	NCC	Con-sistent with de-velop-ment		See IDP Transport Report 2033

	Farnsfield	A614, C1 Junction White Post Roundabout, Farnsfield	£600,000	CIL	NCC	Consistent with development		See IDP Transport Report 2034
	Bilsthorpe	A614, C13 Eakring Road Junction, Bilsthorpe	£120,000	CIL	NCC	Consistent with development		See IDP Transport Report 2035
	Blidworth	A614/A6097 Oxton Bypass, Blidworth	£1,500,000	CIL	NCC	Consistent with development		See IDP Transport Report 2036
	Ollerton & Boughton	A614/A616/A6075 Ollerton Roundabout, Ollerton & Boughton	£5,000,000	S106/Developer	NCC	Consistent with development		See IDP Transport Report 2037

Appendix B

Wastewater Treatment Works Assessment by Severn Trent Water

Newark and Sherwood District Council Area

Potential impact of proposed developments on sewage treatment works

Date of assessment: 01 June 2022

Note: These are desktop assessments using readily available information and have not been subjected to detailed hydraulic analysis

General comment regarding treatment capacity: _Whilst sewage treatment works may not have sufficient spare capacity to accept the levels of development being proposed in its catchment area this does not necessarily mean that development cannot take place. Under Section 94 of the Water Industry Act 1991 sewerage undertakers have an obligation to provide additional treatment capacity as and when required. Where necessary we will discuss any discharge consent implications with the Environment Agency. If there are specific issues which may prevent or delay the provision on additional capacity these have been highlighted below.

			Key	Estimated Spare Capacity (RAG)	Watercourse constraints		
			Not Measured	Non Mcerted - Scale of WwTW is below that requiring flow monitoring	Non-Numeric - Permit does not require measurement of specific contaminant levels		
			Low	Not expected to be an issue	No land or other constraints preventing expansion		
			Medium	Marginal concern subject to size of development	Some constraints that could limit provision of additional capacity		
			High	Probable issue	Limited scope to provide additional capacity		
			Very High	Issue Currently being investigated	No scope to provide additional capacity		

Floc-ID	Sewage Treatment Works Name	Current Population Equivilent	5 Year Average (Q80) (m3/d)	Current DWF Consent (m3/d)	Estimated spare hydraulic capacity in Population Equivilent based on 5 year Average	Estimated Population by 2027 based on ONS	Estimated Population by 2047 based on Extrapolated ONS	Estimated Spare Capacity (RAG)	Watercourse constraints	Any other comments	Date of Extract
17942-ST1	ALVERTON (STW)	54	Non Mcerted	6	0	58	63	Non Mcerted	NON-NUMERIC		01/06/2022
11253-ST1	BALDERTON (STW)	10594	2969	2725	0	11371	12374	Very High	High	AMP7 scheme to meet WFD Phosphate removal driver in progress that will also increase works capacity to meet projected growth	01/06/2022
11298-ST1	BILSTHORPE (STW)	3618	535	1144	4271	3884	4227	Low	Very High		01/06/2022
11299-ST1	BOUGHTON (STW)	12689	2287	2268	222	13620	14822	High	Very High	Site identified for AMP8 investment for provision of additional capacity, in so far as environmental capacity will permit	01/06/2022
11259-ST1	CALVERTON (STW)	9532	1354	1825	3342	9106	9810	Low	Very High	AMP7 scheme in progress to meet WFD Phosphate removal driver	01/06/2022
11337-ST1	CLIFTON (STW)	411	59	79	141	442	481	Low	High		01/06/2022
11262-ST1	COLLINGHAM (STW)	3138	574	625	381	3368	3666	Medium	High	Site performing well, is DWF compliant, no risk currently identified	01/06/2022

18479-ST1	COTHAM (STW)	56	Non Mcerted	21	0	60	65	Non Mcerted	NON-NUMERIC		01/06/2022
11264-ST1	CRANKLEY POINT (STW)	33097	7389	10453	21594	35524	38659	Low	Low		01/06/2022
11303-ST1	EAKRING (STW)	478	78	99	151	513	559	Low	High		01/06/2022
11376-ST1	EAST MARKHAM (STW)	3976	769	1160	2755	4325	4678	Low	High	AMP7 scheme in progress to meet WFD Phosphate removal driver	01/06/2022
11304-ST1	EDWINSTOWE (STW)	16555	2752	3189	3138	17555	19059	Low	Medium	Site identified for AMP8 investment for provision of additional capacity, in so far as environmental capacity will permit	01/06/2022
11267-ST1	ELSTON (STW)	827	218	243	179	888	966	Low	High		01/06/2022
11270-ST1	FARNDON (STW)	2415	501	625	879	2592	2821	Low	Low		01/06/2022
11271-ST1	FARNSFIELD (STW)	3351	561	600	325	3596	3914	Medium	Low	Site likely to be included in our AMP8 Quality programme, with quality driver, when we would expect to resolve capacity risks also.	01/06/2022
11273-ST1	HALAM (STW)	21	Non Mcerted	9	0	23	25	Non Mcerted	NON-NUMERIC		01/06/2022
11279-ST1	KIRKLINGTON - CORKMILL LANE (STW)	375	112	85	0	403	438	Very High	High	Infiltration reduction investigations on-going, with the aim of liberating existing capacity to accommodate projected growth.	01/06/2022
11325-ST1	KNEESALL (STW)	197	Non Mcerted	25	0	212	230	Non Mcerted	Low		01/06/2022
14614-ST1	LAXTON (STW)	218	65	64	12	234	255	High	Medium	Site likely to be included in our AMP8 Quality programme, with Phosphate removal driver, when we would expect to resolve capacity risks also.	01/06/2022
11307-ST1	PERLETHORPE (STW)	55	Non Mcerted	20	0	59	64	Non Mcerted	Low		01/06/2022
11311-ST1	RAINWORTH (STW)	22596	3581	4492	6487	22937	24829	Low	High	Site likely to be included in our AMP8 Quality programme, with Ammonia removal driver, when we would expect to resolve capacity risks also.	01/06/2022
11249-ST1	SOUTHWELL (STW)	9828	2054	2598	3851	10549	11480	Low	Low	AMP7 scheme in progress to meet storm discharge reduction driver	01/06/2022
14619-ST1	STAUNTON (STW)	34	Non Mcerted	6	0	37	40	Non Mcerted	NON-NUMERIC		01/06/2022
11285-ST1	STOKE BARDOLPH (STW)	551814	119980	148000	11399	597695	636649	High	Low	Site identified for AMP8 investment for provision of additional capacity to meet projected growth	01/06/2022
11250-ST1	SUTTON ON TRENT - CROMWELL (STW)	4611	1155	1400	1739	4954	5389	Low	Low	AMP7 scheme planned to address permit compliance risks	01/06/2022
11459-ST1	THORNEY (STW)	148	Non Mcerted	35	0	156	168	Non Mcerted	Low		01/06/2022

NSDC Level 1 SCA – Site Allocations

Potential impact of proposed developments on sewerage infrastructure assets

Date: 28/08/2022

Common Acronyms		RAG definition	Potential impact on sewerage infrastructure	Potential impact of surface water sewerage infrastructure
STW - Sewage Treatment Works	EO - Emergency Overflow	High	Network Improvements like to be required	No clear sustainable outfall for surface water, site has the potential to impact on the performance of the sewerage system,
SPS - Sewage Pumping Station	SSO - Strom Overflow	Medium	Network Improvements may to be required	Potential Sustainable surface water outfall, but may be difficult to deliver
CSO - Combined Sewer Overflow		Low	Network Improvements unlikely to be required	Sustainable outfalls in adjacent or within site, therefore no surface water connections to the sewers required

NOTE: The purpose of these desktop based assessments are to indicate where proposed development MAY have a detrimental impact on the performance of the existing public sewerage network taking into account the size of the development proposals.

For most new development provided the surface water in managed sustainably through use of a SuDS the additional foul only flows will have a negligible impact on existing sewer performance but where there are pre-existing capacity constraints additional capacity improvements may be required.

Where subsequent detailed modelling indicates capacity improvements are required such work will be phased to align with development occupancy with capacity improvement works will be funded by Severn Trent Water. However, whilst Severn Trent have a duty to provide additional capacity to accommodate planned development, we also have a requirement to manage our assets efficiently to minimise our customers' bills. Consequently to avoid potential inefficient investment we generally do not provided additional capacity until there is certainty that the development is due to commence. Where development proposals are likely to require additional capacity upgrades to accommodate new development flows it is highly recommended that potential developers contact Severn Trent as early as possible to confirm flow rates and intended connection points. This will ensure provision of additional capacity can be planned into our investment programme to ensure development is not delayed.

Note: These are desktop assessments using readily available information and have not been subjected to detailed hydraulic modelling

STW Ref	LPA	LPA Ref	Site Name	Settlement	Proposed Use	Size	Units	Sewage Treatment Works Catchment	Date of assessment	Known network constraints	Assumed connectivity	Potential impact on sewerage infrastructure	Outfall assumption	Surface water disposal	Potential impact of surface water sewerage infrastructure
	Newark and Sherwood District Council	NUA/MU/1	Land North of A17	Newark	Mixed	43.59	-	Crankley Point STW	25/08/2022	Reported flooding and reported pollution incident including EA Warning letter. Size of development may have adverse impact on downstream sewerage network.	Site will connect to 150mm foul sewer to the North of the site. Pumping will be required due to topography.	High	Tributary to River Trent	Site can drain directly to tributary of the River Trent located along the Southern boundary of the site. Surface water construction may be required to the outfall.	Low

	Newark and Sherwood District Council	NUA/MU/2	Land at Current Brownfills Motor Homes Sites	Newark	Mixed	9.30	-	Crankley Point STW	25/08/2022	Reported flooding and medium to high risk predicted flooding downstream of development.	Site will connect to 150mm foul sewer to the South of the site.	Medium	Tributary to River Trent	Site can drain directly to tributary of the River Trent located to the North of the site. Surface water sewer will require constructing to the outfall.	Low
	Newark and Sherwood District Council	NUA/E/1	Newark Industrial Estate	Newark	Employment	96.08	-	Crankley Point STW	25/08/2022	Reported flooding and medium to high risk predicted flooding dowmstream of development. Reported flooding incidents downstream. Size of development will have adverse impact on downstream sewerage network.	Site will connect to 375mm foul sewer to the South West corner of the site running South on Brunel Dr. Parts of the site may require pumping due to topography	High	Tributary to River Trent	Site can drain directly to tributary to River trent, running centrally through the site. Brownfield site, efforts need to be made to seperate surface and foul water.	Low
	Newark and Sherwood District Council	NUA/E/2	Land West of A1 on Stephenson Way	Newark	Employment	12.24	-	Crankley Point STW	25/08/2022	Reported flooding and medium risk predicted flooding downstream of development.	Site will connect to 225mm foul sewer within the Western of the site boundary.	Medium	Tributary to River Trent	Site can drain directly to tributary to River trent, running centrally through the site and on Southern boundary.	Low
	Newark and Sherwood District Council	NUA/E/3	Land off Telford Drive	Newark	Employment	1.54	-	Crankley Point STW	25/08/2022	Reported flooding and medium to high risk predicted flooding downstream of development.	Site will connect to 225mm foul sewer within the Western of the site boundary flowing South parallel to Middleton Rd and following Telford Dr for southern parts of site. Part of the site will require pumping due to topography.	Medium	Tributary to River Trent	Site can drain directly to tributary to River trent to the North of the site, surface water sewer will require constructing to outfall. Parts of the site will require pumping due to topography	Low

	Newark and Sherwood District Council	NUA/E/4	Land at the Former NCC Highways Depot on Great North Road	Newark	Employment	2.07	-	Crankley Point STW	25/08/2022	Reported flooding and medium predicted flooding downstream. Reported pollution at downstream CSO (NEWARK -NORTH GATE/WATER LANE)	Site will connect to 225mm combined sewer to the South of the site on Kelham Road. Site will require pumping due to topography	High	Old Trent Dyke (Tributary to River Trent)	Site can drain to Old Trent Dyke at the South-West corner of the site. Surface water sewer construction to outfall, pumping will be required due to topography. Brownfield, efforts need to be made to separate surface and foul water.	Low
	Newark and Sherwood District Council	Co/MU/1	Land in between Swinderby Road and Station Road	Collingham	Mixed	15.46	80	Collingham STW	25/08/2022	Reported external flooding downstream.	Development will connect to 225mm foul sewer heading South along site's Western boundary.	Low	Tributary of River Trent	Site can drain directly to tributary of the River Trent located along the Western boundary of the site. Surface water construction may be required to the outfall.	Low
	Newark and Sherwood District Council	So/E/1	Crew Lane Industrial Estate	Southwell	Employment	12.57	-	Southwell STW	25/08/2022	No known netowrk constraints	Site will connect to 530mm combined sewer heading South East to Southwell STW on Racecourse Rd	Low	River Greet	Site can drain directly to the river Greet located to the North of the site. Surface water construction willl be required to the outfall.	Low
	Newark and Sherwood District Council	So/E/2	Land east of Crew lane	Southwell	Employment	2.71	-	Southwell STW	25/08/2022	No known netowrk constraints	Site will connect to 530mm combined sewer heading South East to Southwell STW on Racecourse Rd	Low	River Greet	Site can drain directly to the river Greet located to the North of the site. Surface water construction willl be required to the outfall.	Low
	Newark and Sherwood District Council	So/E/3	Land to the South of Crew lane	Southwell	Employment	2.18	-	Southwell STW	25/08/2022	No known netowrk constraints	Site will connect to 530mm combined sewer heading South East to Southwell STW on Racecourse Rd	Low	River Greet	Site can drain directly to the river Greet located to the North of the site. Surface water construction willl be required to the outfall.	Low

	Newark and Sherwood District Council	OB/E/1	Boughton Industrial Estate (North)	Kirton	Employment	25.49	-	Boughton STW	25/08/2022	Reported flooding and pollution downstream.	Site will connect to 150mm foul sewer heading South West on Rd C to Boughton STW	Low	Boughton Dyke (Trib of Trent)	Site can drain directly to Boughton Dyke located on the Western side of the site. Surface water construction may be required to the outfall.	Low
	Newark and Sherwood District Council	OB/E/2	Boughton Industrial Estate (South)	Kirton	Employment	31.46	-	Boughton STW	25/08/2022	Predicted flooding within site boundary network, with reported pollution.	Site will connect to 225mm foul sewer heading North East through site on Maun Way. Part of the site will require pumping due to topography	Medium	Boughton Dyke (Trib of Trent)	Site can drain directly to Boughton Dyke located on the Western side of the site. Surface water construction may be required to the outfall.	Low
	Newark and Sherwood District Council	OB/E/3	Land to the south of Boughton Industrial Estate	Kirton	Employment	3.86	-	Boughton STW	25/08/2022	Predicted flooding within site boundary network, with reported pollution.	Site will connect to 225mm foul sewer to the North-East of the site heading North East on Maun Way. The site will require pumping due to topography.	Medium	Boughton Dyke (Trib of Trent)	Site can drain directly to Boughton Dyke located on the Western side of the site. Surface water construction may be required to the outfall.	Low
	Newark and Sherwood District Council	Bi/E/1	Land on the Southern side of Brailwood Road	Bilsthorpe	Employment	2.67	-	Blisthorpe STW	25/08/2022	Reported flooding and EA warning letter	Site will connect to 150mm foul sewer to the North of the site, heading South West on Brailwood Rd.	Medium	Rainworth Water	Site can drain directly to existing surface water sewer to the South of the site running South on Forest Link. Surface water construction will be required to the outfall, and pumping may be required due to topography.	Medium
HBBC-19-SCA1-029	Newark and Sherwood District Council	Bi/E/2	Land on the Northern side of Brailwood Road	Bilsthorpe	Employment	0.35	-	Blisthorpe STW	25/08/2022	Reported flooding and EA warning letter	Site will connect to 150mm foul sewer to the South of the site, heading South West on Brailwood Rd.	Medium	Rainworth Water	Site can drain directly to existing surface water sewer to the West of the site running South.	Medium

	Newark and Sherwood District Council	Ra/E/1	Land West of Colliery Lane	Rainworth	Employment	5.50	-	Rainworth STW	25/08/2022	No known network constraints	Site will connect to 750mm combined sewer heading North East through the site to Rainworth STW on Rufford Colliery Ln	Low	Rainworth Water	Site can drain directly to Rainworth Water on the Eastern border of the site	Low
	Newark and Sherwood District Council	Bl/E/1	Land on Blidworth Industrial Park	Blidworth	Employment	1.00	-	Rainworth STW	25/08/2022	Reported flooding and predicted flooding, reported pollution and EA warning letter downstream.	Site will connect to 225mm foul sewer to the South of the site, heading East on Burma Road	Medium	Soak-away at rear of development	Surface water can drain to open water tributary/natural soakaway to the North of the development. Surface water sewer construction will be required to outfall. Brownfield, efforts need to be made to separate surface and foul water.	Low
	Newark and Sherwood District Council	NUA/Ho/2	Land south of Quibells Lane	Newark	Residential	-	25	Crankley Point STW	25/08/2022	development of 25, but 5 have already been completed. Reported pollution at STW with effluent exceeding consent. High risk Predicted flooding downstream.	Development will join 750mm combined sewer heading North to Quibells Lane.	Medium	River Trent	Site can drain to River Trent to the West of the site. Surface water sewer will require constructing to outfall	Low
	Newark and Sherwood District Council	NUA/Ho/4	Yorke Drive and Lincoln Road Playing Fields	Newark	Residential	-	190		25/08/2022	320 dwellings, but 130 to be developed net gain of 190. Site previously assessed as part of NeS-049-0002, Low flood risk, Very low pollution risk. Predicted flooding downstream	Development will join 225mm foul sewer heading South on Yorke Drive. Part of the site may require pumping due to topography.	Medium	Tributary to the River Trent	Site can drain to tributary of the River Trent to the East of the site. Surface water sewer will require constructing to outfall.	Low

										of development.					
	Newark and Sherwood District Council	NUA/Ho/5	Land North of Beacon Hill Road	Newark	Residential	-	200	Crankley Point STW	25/08/2022	Predicted and reported external flooding downstream, with reported pollution. Size of the development likely to adversely impact downstream sewerage network.	Development will join 150mm foul sewer to the South East boundary of development, heading South on Lily Ln.	High	River Trent	Site can join 225mm surface water sewer to theSouth east boundary to development, heading South on Lily Ln	Medium
	Newark and Sherwood District Council	NUA/Ho/8	Land on Bowbridge Road	Newark	Residential	-	87	Crankley Point STW	25/08/2022	High risk predicted adjacent to reported flooding downsream. Site likely to have an adverse impact on downstream sewerage network with regular flooding and surcharging.	Development will join 225mm combined sewer to the West of the development, heading North on Bowbridge Rd	High	Balderton Lake	Site can drain directly to Balderton Lake to the East of the site. Surface water sewer will require constructing to outfall.	Low
	Newark and Sherwood District Council	NUA/Ho/9	Land on Bowbridge Road	Newark	Residential	-	150	Crankley Point STW	25/08/2022	Medium to High risk predicted flooding adjacent to reported flooding downstream of development. Site may have adverse impact on downstream sewerage network.	Development will join 225mm combined sewer to the West of the development, heading North on Bowbridge Rd	High	Balderton Lake	Site can drain directly to Balderton Lake to the East of the site. Surface water sewer will require constructing to outfall.	Low
	Newark and Sherwood District Council	NUA/Ho/10	Land North of Lowfields Lane	Newark	Residential	-	120	Balderton STW	25/08/2022	Site previously assessed as part of NeS-009-0001, high flood risk,	Development will join 150mm foul sewer to the West of the	High	Tributary to River Trent	Site can drain directly to Balderton Lake to the South of the site. Surface	Low

										very high pollution risk.	development, heading South West			water sewer will require constructing to outfall.	
	Newark and Sherwood District Council	NUA/MU/3	Land at the Current NSK Factory on Northern Road	Newark	Mixed	20.61	150		25/08/2022	Predicted flooding and reported pollution downstream	Development will join 300mm combined sewer to the West of the development, heading South on Northern Rd. Part of the site may require pumping due to topography.	Low	Tributary to River Trent	Site can drain to tributary of the River Trent to the North East of the site. Surface water sewer will require constructing to outfall. Brownfield site, efforts need to be made to separate surface and foul water.	Low
	Newark and Sherwood District Council	NUA/MU/4	Land at Bowbridge Road	Newark	Mixed	10.52	147		25/08/2022	15 are complete. Predicted flooding adjacent to reported flooding downstream of development. Size of development may have adverse impact on downstream network.	Development will join 225mm combined sewer to the North of the development, heading North to NEWARK - BOWBRIDGE RD CSO	High	River Trent	Once all other options on the drainage hierarchy are exhausted. Development may join 225 mm combined sewer to the North of the site.	High
	Newark and Sherwood District Council	So/Ho/2	Land South of Halloughton Road	Southwell	Residential	-	45	Southwell STW	25/08/2022	24 dwellings complete. Site previously assessed as part of N&S-107-0001, Medium flood risk, low pollution risk. Reported flooding downstream of development including EA warning letters.	Development will join 150mm combined sewer to the North of the development, heading North East to SOUTHWELL - NOTTINGHAM ROAD CSO	Medium	Tributary to the River Trent	Site can drain directly to tributary to the river trent located to the East of the site boundary. Surface water sewer will require constructing to outfall.	Low

	Newark and Sherwood District Council	So/Ho/4	Land East of Kirklington Road	Southwell	Residential	-	45	Southwell STW	25/08/2022	Site previously assessed as part of NeS-107-0002, Low flood risk, Very Low pollution risk. Downstream reported pollution and Level 2 EA warning letter.	Development will join 225mm combined sewer to the East of the development, heading North on Avondale. Part of the site will require pumping due to topography.	Medium	Tributary to the River Trent	Once all other options on the drainage hierarchy are exhausted. Development may join 225 mm combined sewer to the North of the site. Parts of the site will require pumping.	High
	Newark and Sherwood District Council	So/Ho/5	Land of Lower Kirklington Road	Southwell	Residential	-	60	Southwell STW	25/08/2022	Reported pollution downstream of development site	Development will join 225mm combined sewer to the South of the development, heading East on Lower Kirklington Rd. Part of the site will require pumping due to topography.	Low	Tributary to the River Trent	Site can drain directly to tributary to the river trent located to the North East of the site boundary. Surface water sewer will require constructing to outfall.	Low
	Newark and Sherwood District Council	OB/Mu/1	Land at the rear of Petersmiths Drive	New Ollerton	Mixed	38.45	305	Boughton STW	25/08/2022	permission for 305, 57 already completed. Upstream reported flooding to the South of the site, predicted flooding adjacent to reported flooding on downstream	Site will connect to 375mm combined sewer running within the Eastern edge of site parallel to Petersmith Dr. Part of the may require pumping due to topography.	Medium	River Maun	Site can drain directly to River Maun along Western boundary of the site. Surface water sewer will require constructing to outfall. Parts of site may require pumping due to topography.	Low
	Newark and Sherwood District Council	OB/Mu/2	The land between Kirk Drive, Stepnall Heights and Hallam Road	New Ollerton	Mixed	25.91	120	Boughton STW	25/08/2022	Reported and predicted medium risk flooding downstream, one reported grey water pollution incident.	Site will connect to 225mm foul sewer running North within the North-east boundary of the site.	Medium	Tributary to River Maun	Site can drain via existing 450mm surface water sewer within the North East boundary of the site, parallel to the foul sewer.	Medium
	Newark and Sherwood District Council	ED/Ho/2	Land to the North of Mansfield Road	Edwinstowe	Residential	-	50	Edwinstowe STW	25/08/2022	Reported and predicted flooding adjacent downstream, including reported	Site will connect to 225mm foul sewer running East on Mansfield Road.	Medium	Open drainage ditch	Site will connect to existing 225mm surface water sewer to the East of the deveopment running South on	Medium

										pollution associated with surface water FOURTH AVENUE CSO.				Cavendish Avenue	
	Newark and Sherwood District Council	Bi/Ho/2	Land to the east of Ho PP and north of Wycar Leys	Bilsthorpe	Residential	-	136	Bilsthorpe STW	25/08/2022	scale increased. Site previoulsy assessed as part of NeS-107-0003. Reported external flooding downstream	Site will connect to 150mm foul sewer to the south east of the site, running North on Kirklington Rd. Parts of the site will require pumping due to topography.	Medium	River Maun	Site will connect to existing surface water sewer to the West of the deveopment running North on Kirklington Rd	Medium
	Newark and Sherwood District Council	Bi/MU/1	Land to the East of Eakring Road	Bilsthorpe	Mixed	7.91	103	Bilsthorpe STW	25/08/2022	under construction. Reported flooding downstream. EA warning letter downstream at Rainworth water surface water.	Site will connect to 300mm combined sewer to the West of the development headin South on Eaking Rd	Medium	Rainworth Water	Site will connect to existing 375mm surface water sewer to the South West of the development running South on Eaking Rd	Medium
	Newark and Sherwood District Council	Ra/Ho/2	Land to the East of Warsop Lane	Rainworth	Residential	-	255	Rainworth STW	25/08/2022	increase in scale. Reported flooding and pollution adjacent to predicted flooding. Downstream surface water reported pollution. Size of site likely to have an adverse impact on downstream sewerage network.	Site will connect to 150mm Foul sewer to the North of the site on Rochester Rd	High	Rainworth Water	Site will connect to existing surface water sewer to the North of the site on Station Road	Medium
	Newark and Sherwood District Council	Ra/MU/1	Land at Kirklington Road	Rainworth	Mixed	1.24	6	Rainworth STW	25/08/2022	No known model constraints	Site will connect to 300mm combined sewer to the North of the site parallel with Rufford Colliery Ln	Low	Rainworth Water	Site can drain directly to Rainworth water along the Western boundary of the site.	Low

	Newark and Sherwood District Council	Cl/MU/1	Land at the former Clipstone Colliery	Clipstone	Mixed	12.00	120	Edwinstowe STW	25/08/2022	Medium risk predicted flooding, reported pollution downstream of development site	Site will connect to 375mm combined sewer to the East of the site running North parallel to Vicar Water	Low	Vicar Water	Site can drain directly to Vicar Water to the East of the site. Site is Brownfield, efforts need to be made to separate surface and foul water.	Low
	Newark and Sherwood District Council	Bl/Ho/1	Land at Dale Lane	Blidworth	Residential	-	55	Rainworth STW	25/08/2022	Reported flooding and pollution downstream	Site will connect to 225mm combined sewer to the North of the site heading West on Dale Ln	Medium	Drainage ditch	Site will connect to existing surface water sewer to the North of the development running East on Dale Ln	Medium
	Newark and Sherwood District Council	Bl/Ho/3	Land south of New Lane	Blidworth	Residential	-	100	Rainworth STW	25/08/2022	permission for 81. Site previously assessed as part of NeS-123-0003: low flood risk, high pollution risk.	Site will connect to 150mm foul sewer heading East through the site to Meadow Rd	Medium	Drainage ditch/soak-away	Site will connect to existing 450mm surface water sewer within site.	Medium
	Newark and Sherwood District Council	ST/MU/1	Land to the East of Hemplands Lane	Sutton on Trent	Mixed	4.15				37 dwelling Complete , no further assessment required					
	Newark and Sherwood District Council	So/Ho/1	Land East of Allenby Road	Southwell	Residential	-	65			67 dwellings Complete, No further assessmetn required					
	Newark and Sherwood District Council	So/Ho/3	Land at Nottingham Road	Southwell	Residential	-	30			34 dwellings complete, no further assessment required					
	Newark and Sherwood District Council	So/Ho/6	Land at the Burgage (Rainbows)	Southwell	Residential	-	25			67 dwellings complete, no further assessment required					
	Newark and Sherwood District Council	So/MU/1	Land at the Former Minster School	Southwell	Mixed	2.11				De alllocated					
	Newark and Sherwood District Council	Fa/Ho/1	Land to the east of Ridgeway and Greenvale	Farnsfield	Residential	-	35			60 dwellings Complete, no further assessment required					

	Newark and Sherwood District Council	Fa/MU/1	Land to the west of Cockett Lane	Farnsfield	Mixed	0.50	70			106 dwellings Complete, no further assessment required						
	Newark and Sherwood District Council	OB/Ho/1	Land north of Wellow Road	Ollerton	Residential	-	125			147 dwellings completed, no further assessment required						
	Newark and Sherwood District Council	OB/Ho/2	Land adjacnet to Hollies Close	Boughton	Residential	-	25			40 Dwellings Completed, no further assessment required						
	Newark and Sherwood District Council	OB/Ho/3	Land at the former Ollerton Miners Welfare	New Ollerton	Residential	-	70			88 Dwellings Completed, No further assessmnet required						
	Newark and Sherwood District Council	ED/Ho/1	Land to the east of Rufford Road and north of Mansfield Road	Edwinstowe	Residential	-	72			all 64 dwellings completed, no further assessment						
	Newark and Sherwood District Council	Ra/Ho/1	Land North of Top Street	Rainworth	Residential	-	54			61 dwellings completed, no furhter assesmsnet needed						
	Newark and Sherwood District Council	Bl/Ho/4	Land at Dale Lane Allotments	Blidworth	Residential	-	45			de allocate						

Appendix C: National Grid – Electricity

Demand Headroom

Associated GSP Group	Bulk Supply Point	Substation	Supply Level	Voltage Level (kV)	Scenario	Units	0	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Staythorpe 132kV	Hawton	Hawton	Bulk Supply Point	33	Consumer Transformation	Thermal headroom (MW)	61.0	60.0	58.5	56.8	54.5	50.7	46.9	43.0	39.0	34.5	28.9	22.3	15.4
Staythorpe 132kV	Hawton	Hawton	Bulk Supply Point	33	Leading the Way	Thermal headroom (MW)	61.0	59.3	57.0	54.7	51.7	45.9	40.0	33.3	26.3	18.7	12.1	5.1	-2.1
Staythorpe 132kV	Hawton	Hawton	Bulk Supply Point	33	Steady Progression	Thermal headroom (MW)	61.0	60.6	59.8	59.1	58.3	56.5	54.8	52.9	51.0	48.9	46.0	43.4	40.5
Staythorpe 132kV	Hawton	Hawton	Bulk Supply Point	33	System Transformation	Thermal headroom (MW)	61.0	60.3	59.3	58.2	56.9	55.5	53.9	52.0	49.7	47.3	44.2	41.2	37.9
Staythorpe 132kV	Hawton	Hawton	Bulk Supply Point	33	WPD Best View	Thermal headroom (MW)	61.0	59.9	58.4	56.7	54.4	50.6	46.9	43.0	39.1	34.8	29.4	22.9	16.1
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	12.1	12.1	11.9	11.7	11.4	11.1	10.7	10.3	9.9	9.4	8.9	8.5	8.0
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	12.1	12.0	11.7	11.4	11.1	10.5	9.9	9.3	8.6	7.8	7.2	6.5	5.5
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	12.1	12.2	12.3	12.3	12.3	12.1	11.9	11.7	11.5	11.2	10.9	10.5	10.1
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	12.1	12.2	12.2	12.1	12.1	12.0	11.8	11.6	11.4	11.0	10.7	10.3	9.9
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	12.1	12.1	11.9	11.7	11.4	11.1	10.7	10.3	9.9	9.4	8.9	8.5	8.0
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	19.6	19.1	18.6	18.1	17.5	16.9	16.3	15.6	15.0	14.2	13.4	12.6	11.7
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	19.6	19.0	18.5	17.9	17.2	16.5	15.8	15.0	14.0	13.0	11.8	10.9	9.9
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	19.6	19.2	18.9	18.6	18.3	17.9	17.6	17.3	17.1	16.8	16.4	16.1	15.7
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	19.6	19.2	18.8	18.4	18.0	17.6	17.3	16.9	16.5	16.0	15.6	15.2	14.7
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	19.6	19.1	18.6	18.1	17.5	16.9	16.3	15.6	15.0	14.2	13.4	12.6	11.7
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	3.1	3.0	2.0	1.4	0.5	-0.7	-2.1	-3.6	-5.0	-6.7	-9.7	-13.2	-16.7
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	3.1	2.7	1.3	0.3	-1.2	-3.3	-5.4	-8.0	-10.7	-13.6	-17.0	-20.5	-24.1
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	3.1	3.3	2.8	2.6	2.4	2.0	1.5	1.0	0.4	-0.3	-1.2	-2.1	-3.2
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	3.1	3.2	2.5	2.2	1.8	1.3	0.8	0.1	-0.7	-1.6	-2.9	-4.2	-5.6
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	3.1	3.0	2.0	1.4	0.5	-0.7	-2.1	-3.6	-5.0	-6.7	-9.7	-13.2	-16.7
Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	17.0	15.8	14.9	13.8	12.4	10.6	8.9	6.8	4.8	2.5	-1.0	-4.8	-8.5

Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	17.0	15.1	13.6	12.0	10.0	7.3	4.7	1.5	-1.6	-4.9	-8.6	-12.4	-16.0
Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	17.0	16.3	15.9	15.4	14.8	13.9	13.0	12.1	11.3	10.4	9.3	8.2	7.0
Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	17.0	16.1	15.4	14.6	13.7	12.9	12.1	11.0	9.9	8.7	7.4	5.8	4.2
Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	17.0	15.8	14.9	13.8	12.4	10.6	8.9	6.8	4.8	2.5	-1.0	-4.8	-8.5
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	79.1	79.2	79.1	79.1	79.0	78.7	78.4	78.0	77.7	77.3	76.7	76.1	75.4
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	79.1	79.1	78.9	78.8	78.7	78.1	77.5	76.8	76.2	75.6	75.2	74.7	74.1
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	79.1	79.1	79.1	79.0	79.0	78.8	78.5	78.3	78.1	77.9	77.6	77.3	76.9
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	79.1	79.2	79.1	79.1	79.0	78.9	78.9	78.8	78.8	78.7	78.4	78.1	77.8
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	79.1	79.1	79.1	79.0	78.9	78.6	78.4	78.1	77.8	77.5	77.0	76.5	75.9
Chesterfield 132kV	Clipstone	Clipstone	Bulk Supply Point	33	Consumer Transformation	Thermal headroom (MW)	38.3	36.4	33.9	31.5	28.3	23.9	19.9	14.3	9.7	4.8	-4.1	-13.5	-23.0
Chesterfield 132kV	Clipstone	Clipstone	Bulk Supply Point	33	Leading the Way	Thermal headroom (MW)	38.3	34.4	30.1	26.0	21.0	13.7	6.8	-3.3	-12.6	-22.4	-31.6	-41.9	-52.3
Chesterfield 132kV	Clipstone	Clipstone	Bulk Supply Point	33	Steady Progression	Thermal headroom (MW)	38.3	37.7	36.7	36.0	35.0	33.2	31.3	28.5	26.3	23.7	20.0	17.1	13.9
Chesterfield 132kV	Clipstone	Clipstone	Bulk Supply Point	33	System Transformation	Thermal headroom (MW)	38.3	37.1	35.6	34.3	32.5	30.9	29.4	25.9	23.3	20.9	16.7	13.1	8.3
Chesterfield 132kV	Clipstone	Clipstone	Bulk Supply Point	33	WPD Best View	Thermal headroom (MW)	38.3	36.4	33.9	31.5	28.3	23.9	19.9	14.3	9.7	4.8	-4.1	-13.5	-23.0
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	9.4	9.5	9.5	9.4	9.2	8.9	8.6	8.4	8.2	8.0	7.7	7.3	7.0
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	9.4	9.4	9.3	9.1	8.9	8.4	8.0	7.6	7.3	6.9	6.6	6.2	5.9
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	9.4	9.5	9.5	9.5	9.5	9.4	9.3	9.3	9.2	9.2	9.0	8.9	8.7
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	9.4	9.5	9.5	9.5	9.4	9.4	9.4	9.3	9.3	9.3	9.1	9.0	8.8
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	9.4	9.5	9.5	9.4	9.2	8.9	8.6	8.4	8.2	8.0	7.7	7.3	7.0
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	16.5	16.3	16.2	16.0	15.8	15.4	15.1	14.8	14.5	14.0	13.3	12.6	11.9
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	16.5	16.2	15.8	15.5	15.1	14.5	14.0	13.4	12.8	12.1	11.3	10.4	9.7
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	16.5	16.5	16.4	16.4	16.3	16.1	16.0	15.8	15.7	15.5	15.2	15.0	14.7
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	16.5	16.4	16.4	16.3	16.1	16.0	15.9	15.7	15.5	15.4	15.0	14.7	14.4
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	16.5	16.3	16.2	16.0	15.8	15.4	15.1	14.8	14.5	14.0	13.3	12.6	11.9

Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	9.3	9.2	8.9	8.5	8.1	7.3	6.5	5.7	5.0	4.1	2.5	0.4	-1.5
Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	9.3	8.7	8.0	7.3	6.4	5.1	3.8	2.3	1.0	-0.6	-2.4	-4.3	-6.0
Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	9.3	9.4	9.4	9.4	9.4	9.1	8.8	8.5	8.2	7.8	7.3	6.8	6.2
Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	9.3	9.3	9.3	9.2	9.0	8.8	8.5	8.2	7.8	7.4	6.8	6.2	5.4
Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	9.3	9.2	8.9	8.5	8.1	7.3	6.5	5.7	5.0	4.1	2.5	0.4	-1.5
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	8.9	8.6	8.2	7.8	7.2	6.3	5.5	4.7	3.9	2.8	0.2	-2.5	-5.1
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	8.9	8.4	7.6	7.0	6.2	4.8	3.4	2.0	0.0	-2.2	-4.1	-6.4	-8.8
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	8.9	8.8	8.6	8.4	8.3	7.9	7.6	7.3	6.9	6.3	5.4	4.9	4.4
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	8.9	8.8	8.5	8.3	8.1	7.8	7.6	7.3	6.9	6.5	6.0	5.3	4.2
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	8.9	8.6	8.2	7.8	7.2	6.3	5.5	4.7	3.9	2.8	0.2	-2.5	-5.1
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	5.8	5.8	5.8	5.7	5.6	5.4	5.1	4.8	4.6	4.4	4.0	3.1	2.2
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	5.8	5.7	5.6	5.5	5.2	4.9	4.4	3.8	3.4	2.7	1.8	0.9	-0.1
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	5.8	5.9	6.0	6.0	6.1	6.0	5.9	5.8	5.8	5.7	5.5	5.3	5.1
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	5.8	5.9	5.9	6.0	6.0	5.9	5.8	5.7	5.5	5.4	5.2	4.9	4.7
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	5.8	5.8	5.8	5.7	5.6	5.4	5.1	4.8	4.6	4.4	4.0	3.1	2.2
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	17.0	16.3	15.8	15.3	14.7	14.2	13.7	13.2	12.7	12.2	11.6	10.9	10.3
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	17.0	16.0	15.4	14.7	14.0	13.3	12.6	11.9	11.1	10.4	9.8	9.1	8.4
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	17.0	16.5	16.2	15.9	15.6	15.3	15.0	14.8	14.6	14.4	14.2	14.0	13.7
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	17.0	16.4	16.0	15.6	15.2	15.0	14.8	14.5	14.3	14.1	13.8	13.5	13.2
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	17.0	16.3	15.8	15.3	14.7	14.2	13.7	13.2	12.7	12.2	11.6	10.9	10.3
Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	2.1	2.1	1.8	1.6	1.2	0.8	0.2	-0.3	-0.8	-1.4	-2.1	-3.1	-4.6
Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	2.1	2.0	1.6	1.2	0.7	-0.1	-1.0	-1.9	-2.8	-3.7	-4.8	-6.0	-7.2
Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	2.1	2.2	2.2	2.2	2.2	2.0	1.7	1.5	1.2	0.9	0.5	0.0	-0.5
Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	2.1	2.2	2.1	2.1	1.9	1.8	1.6	1.3	1.0	0.6	0.1	-0.4	-0.9

Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	2.1	2.1	1.8	1.6	1.2	0.8	0.2	-0.3	-0.8	-1.4	-2.1	-3.1	-4.6
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	Consumer Transformation	Thermal headroom (MW)	18.3	18.3	18.3	18.2	18.1	17.9	17.7	17.5	17.3	17.0	16.7	16.3	15.7
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	Leading the Way	Thermal headroom (MW)	18.3	18.3	18.2	18.1	17.9	17.5	17.2	16.7	16.4	15.9	15.4	14.8	14.3
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	Steady Progression	Thermal headroom (MW)	18.3	18.4	18.4	18.4	18.4	18.3	18.2	18.1	18.0	17.8	17.6	17.4	17.2
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	System Transformation	Thermal headroom (MW)	18.3	18.4	18.4	18.4	18.3	18.3	18.2	18.1	18.0	17.8	17.6	17.4	17.2
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	WPD Best View	Thermal headroom (MW)	18.3	18.3	18.3	18.2	18.1	17.9	17.7	17.5	17.3	17.0	16.7	16.3	15.7

Generation Headroom

Associated GSP Group	Bulk Supply Point	Substation	Supply Level	Voltage Level (kV)	Scenario	Units	Limiting constraint	0	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Staythorpe 132kV	Hawton	CARLTON ON TRENT 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	5.1	5.0	5.0	4.9	4.7	4.6	4.1	2.8	1.6	0.2	-1.4	-3.2	-5.0
Staythorpe 132kV	Hawton	CARLTON ON TRENT 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	5.1	5.0	5.0	4.9	4.7	4.6	4.1	3.7	3.3	2.9	2.4	2.0	0.6
Staythorpe 132kV	Hawton	CARLTON ON TRENT 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	Thermal	5.1	5.1	5.0	5.0	5.0	4.9	4.9	4.7	4.5	3.9	3.6	3.2	2.3
Staythorpe 132kV	Hawton	CARLTON ON TRENT 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	5.1	5.0	5.0	5.0	4.9	4.8	4.8	4.2	3.2	2.2	1.0	-0.5	-1.9
Staythorpe 132kV	Hawton	CARLTON ON TRENT 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	5.1	5.0	5.0	4.9	4.7	4.6	4.1	2.8	1.6	0.2	-1.4	-3.2	-5.0
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	13.4	13.3	13.2	13.1	12.8	12.5	12.3	11.7	11.0	10.2	9.3	8.2	7.0
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	13.4	13.3	13.2	13.0	12.8	12.5	12.2	12.0	11.8	11.5	11.3	11.1	10.2
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	13.4	13.4	13.3	13.3	13.3	13.2	13.2	13.0	12.9	12.7	12.5	12.2	11.6
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	13.4	13.3	13.3	13.2	13.1	13.0	12.8	12.3	11.7	11.1	10.2	9.2	8.1
Staythorpe 132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	13.4	13.3	13.2	13.1	12.8	12.5	12.3	11.7	11.0	10.2	9.3	8.2	7.0
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	N/A	12.5	12.5	12.6	12.6	12.5	12.5	12.4	12.2	12.1	11.9	11.7	11.6	11.4
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	N/A	12.5	12.5	12.6	12.6	12.5	12.4	12.3	12.2	12.0	11.8	11.5	11.3	11.1
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	12.5	12.5	12.6	12.6	12.6	12.6	12.7	12.7	12.7	12.7	12.7	12.7	12.7
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	N/A	12.5	12.5	12.6	12.6	12.6	12.6	12.6	12.5	12.4	12.3	12.2	12.1	12.0
Staythorpe 132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	N/A	12.5	12.5	12.6	12.6	12.5	12.5	12.4	12.2	12.1	11.9	11.7	11.6	11.4
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	13.7	13.5	13.3	6.0	5.5	4.9	3.9	2.7	1.5	0.4	-0.8	-1.9	-2.9
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	13.7	13.5	13.3	5.9	5.4	4.8	4.0	3.2	2.5	1.9	1.4	0.9	-0.1
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	Thermal	13.7	13.6	13.6	6.3	6.3	6.2	5.4	4.6	3.8	3.0	2.2	1.6	1.0
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	13.7	13.5	13.5	6.2	6.0	5.8	5.1	4.1	3.2	2.4	1.5	0.7	-0.1
Staythorpe 132kV	Hawton	HAWTON 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	13.7	13.5	13.3	6.0	5.5	4.9	3.9	2.7	1.5	0.4	-0.8	-1.9	-2.9
Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	13.1	13.0	12.9	12.8	12.3	11.8	11.3	10.3	9.2	8.0	6.4	4.7	2.8
Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	13.1	13.1	12.9	12.7	12.2	11.6	11.0	10.5	9.8	9.2	8.5	7.8	6.1
Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	13.1	13.1	13.1	13.2	13.1	13.1	13.1	12.9	12.7	12.5	12.2	11.8	11.1

Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	13.1	13.1	13.0	12.9	12.8	12.6	12.5	11.8	10.8	9.9	8.7	7.2	5.7
Staythorpe 132kV	Hawton	NEWARK JUNCTION 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	13.1	13.0	12.9	12.8	12.3	11.8	11.3	10.3	9.2	8.0	6.4	4.7	2.8
Staythorpe 132kV	Hawton	SOUTHWELL 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	5.7	5.6	5.6	5.5	5.3	5.0	4.8	4.2	3.5	2.8	1.9	0.9	-0.2
Staythorpe 132kV	Hawton	SOUTHWELL 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	5.7	5.6	5.6	5.5	5.3	4.9	4.5	4.2	3.8	3.5	3.1	2.7	1.8
Staythorpe 132kV	Hawton	SOUTHWELL 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4	5.3	5.1	4.9	4.5
Staythorpe 132kV	Hawton	SOUTHWELL 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	5.7	5.7	5.6	5.6	5.5	5.5	5.4	5.0	4.5	3.9	3.2	2.4	1.6
Staythorpe 132kV	Hawton	SOUTHWELL 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	5.7	5.6	5.6	5.5	5.3	5.0	4.8	4.2	3.5	2.8	1.9	0.9	-0.2
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	4.2	4.1	4.0	4.0	3.8	3.7	3.6	2.8	1.8	0.6	-0.9	-2.7	-4.6
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	4.2	4.1	4.0	4.0	3.8	3.6	3.5	3.4	3.3	3.2	3.1	3.0	1.5
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	Thermal	4.2	4.1	4.1	4.1	4.1	4.0	4.0	3.8	3.6	3.4	3.0	2.6	1.5
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	4.2	4.1	4.1	4.0	4.0	3.9	3.9	3.1	2.1	1.0	-0.4	-2.2	-4.0
Staythorpe 132kV	Hawton	SWINDERBY 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	4.2	4.1	4.1	4.0	3.9	3.8	3.7	3.2	2.5	1.7	0.7	-0.5	-2.1
Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	6.8	6.7	6.5	6.4	6.1	5.8	4.6	2.4	0.7	-0.9	-2.7	-4.4	-6.2
Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	6.8	6.7	6.5	6.4	6.1	5.8	4.5	3.5	2.7	1.5	0.5	-0.5	-1.9
Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	6.8	6.7	6.7	6.7	6.6	6.6	6.5	6.5	6.2	5.2	5.0	4.6	4.1
Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	6.8	6.7	6.6	6.6	6.5	6.3	6.2	5.9	4.8	4.1	3.3	2.4	1.6
Chesterfield 132kV	Annesley (1 & 2)	BLIDWORTH 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	6.8	6.7	6.5	6.4	6.1	5.8	4.6	2.4	0.7	-0.9	-2.7	-4.4	-6.2
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	11.0	11.0	10.9	10.9	10.7	10.6	10.5	10.0	9.5	8.9	8.1	7.2	6.2
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	11.0	11.0	10.9	10.8	10.7	10.6	10.5	10.4	10.3	10.2	10.1	10.0	9.2
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	11.0	11.0	11.0	11.0	11.0	10.9	10.9	10.8	10.7	10.6	10.4	10.1	9.6
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	11.0	11.0	11.0	10.9	10.9	10.8	10.8	10.4	9.9	9.3	8.5	7.6	6.6
Chesterfield 132kV	Annesley (1 & 2)	FARNSFIELD 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	11.0	11.0	10.9	10.9	10.7	10.6	10.5	10.0	9.5	8.9	8.1	7.2	6.2
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	-0.9	-0.9	-1.0	-1.1	-1.2	-1.3	-1.5	-1.8	-2.1	-2.5	-3.0	-3.6	-4.3
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	-0.9	-0.9	-1.0	-1.1	-1.2	-1.3	-1.5	-1.6	-1.7	-1.9	-2.1	-2.2	-2.7
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	Thermal	-0.9	-0.9	-0.9	-1.0	-1.0	-1.0	-1.1	-1.2	-1.3	-1.4	-1.5	-1.7	-2.0
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	-0.9	-0.9	-1.0	-1.0	-1.1	-1.2	-1.2	-1.5	-1.8	-2.1	-2.5	-3.0	-3.5
Chesterfield 132kV	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	-0.9	-0.9	-1.0	-1.1	-1.2	-1.3	-1.5	-1.8	-2.1	-2.5	-3.0	-3.6	-4.3
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	N/A	11.5	11.5	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	N/A	11.5	11.5	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	11.5	11.5	11.5	11.5	11.5	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	System Transformation	Headroom (MW)	N/A	11.5	11.5	11.4	11.4	11.4	11.3	11.3	11.2	11.2	11.1	11.1	11.0	11.0
Chesterfield 132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	N/A	11.5	11.5	11.4	11.3	11.2	11.1	11.0	10.9	10.8	10.7	10.6	10.5	10.4
Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	10.6	10.5	10.3	10.1	9.8	9.4	9.1	8.8	8.5	8.3	8.0	7.7	7.5
Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	10.6	10.4	10.3	10.1	9.7	9.3	9.0	8.7	8.4	8.1	7.8	7.4	7.1
Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	10.6	10.5	10.5	10.4	10.4	10.3	10.3	10.2	10.1	10.1	10.0	10.0	10.0
Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	N/A	10.6	10.5	10.4	10.3	10.2	10.0	9.8	9.7	9.5	9.4	9.3	9.1	9.0

Chesterfield 132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	10.6	10.5	10.3	10.1	9.8	9.4	9.1	8.8	8.5	8.3	8.0	7.7	7.5
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	12.4	12.3	5.6	5.5	5.2	4.9	4.5	3.8	3.0	2.1	1.0	-0.2	-1.5
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	12.4	12.3	5.6	5.5	5.1	4.7	4.4	4.1	3.8	3.6	3.4	3.2	2.2
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	Thermal	12.4	12.4	5.7	5.7	5.6	5.6	5.5	5.3	5.2	5.0	4.7	4.4	3.7
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	12.4	12.4	5.7	5.6	5.5	5.4	5.2	4.6	3.9	3.2	2.2	1.0	-0.2
Chesterfield 132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	12.4	12.3	5.6	5.5	5.2	4.9	4.5	3.8	3.0	2.1	1.0	-0.2	-1.5
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	5.5	5.4	5.3	5.2	5.0	4.9	4.8	4.4	3.9	3.4	2.7	1.9	1.1
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	5.5	5.4	5.3	5.2	5.0	4.8	4.7	4.6	4.5	4.4	4.2	4.1	3.5
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	5.5	5.4	5.3	5.3	5.3	5.2	5.2	5.1	5.0	4.9	4.7	4.5	4.0
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	5.5	5.4	5.3	5.3	5.2	5.1	5.0	4.7	4.3	3.8	3.1	2.4	1.6
Chesterfield 132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	5.5	5.4	5.3	5.2	5.0	4.9	4.8	4.4	3.9	3.4	2.7	1.9	1.1
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Consumer Transformation	Headroom (MW)	Thermal	8.9	8.9	8.9	8.9	8.8	8.6	8.4	8.0	7.6	7.1	6.6	5.9	5.2
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Leading the Way	Headroom (MW)	Thermal	8.9	8.9	8.9	8.9	8.8	8.6	8.4	8.2	7.9	7.7	7.6	7.4	6.8
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Steady Progression	Headroom (MW)	N/A	8.9	8.9	9.0	9.0	9.0	9.0	9.0	8.9	8.8	8.7	8.6	8.5	8.1
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	System Transformation	Headroom (MW)	Thermal	8.9	8.9	8.9	8.9	8.9	8.8	8.8	8.5	8.1	7.7	7.2	6.6	6.0
Chesterfield 132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	WPD Best View	Headroom (MW)	Thermal	8.9	8.9	8.9	8.9	8.8	8.6	8.4	8.0	7.6	7.1	6.6	5.9	5.2