Appendix A: Area schedules

		Infrastro	ucture Schedule					
Category	Location	Infrastructure Required	Cost Esti- mate	Funding Mechanism	Deliv- ery Re- spon- sibility	Time- scale	Requirements at 2017	2022 Update
		Social	Infrastructure					
	Newark, Balderton & Fern- wood	New/expanded GP Practices	£7,904,000	S106/Devel- oper	NHS NSCCG	Con- sistent with de- velop- ment	New three GP Practice already secured as part of Fernwood development	See Section 5.5. of this IDP Update report
GP Practices	Ollerton & Boughton	New/expanded GP Practices	£888,250	S106/Devel- oper	NHS NSCCG	Con- sistent with de- velop- ment	New/expanded GP Practice	See Section 5.5. of this IDP Update report
di Tractices	Clipstone	Expanded GP Practices	£760,000	S106/Devel- oper	NHS NSCCG	Con- sistent with de- velop- ment	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/Devel- oper	NHS NSCCG	Con- sistent with de- velop- ment	Additional FTE GPs at existing Practices	See Section 5.5. of this IDP Update report
	Newark, Balderton & Fernwood	Provision of 813 primary school places (equivalent to 2 x 2FE)	£9,312,915	S106/Devel- oper	NCC	Con- sistent with de- velop- ment	1 x 1.5FE and 1 x 1FE Primary schools to be provided by Land South of New- ark, 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
Primary Schools	Ollerton & Boughton	Provision of 196 primary school places	£2,245,180	S106/Devel- oper	NCC	Con- sistent with de- velop- ment	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/Devel- oper	NCC	Con- sistent with de- velop- ment	New 1.5FE Primary School likley to be required between Clipstone and Ed- winstowe	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			S106/Devel- oper	NCC	Con- sistent with de- velop- ment	New 1.5FE Primary School likley to be required between Clipstone and Ed- winstowe	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/Devel- oper	NCC	Con- sistent with de- velop- ment	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

	Newark, Balderton & Fernwood	Provision of 1,499 secondary school places	£25,872,74 0	DfE/EFA	NCC	Con- sistent with de- velop- ment	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	Con- sistent with de- velop- ment	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
Secondary Schools	Rainworth	84 new secondary school places	£1,449,840	CIL	NCC	Con- sistent with de- velop- ment	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	Con- sistent with de- velop- ment	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	Con- sistent with de- velop- ment	Funding towards extending existing facilities (Colonel Frank Seely school and Tuxford Acad- emy)	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/Devel- oper	NCC	Con- sistent with de- velop- ment	Funding towards li- brary stock items only	NSDC continues to seek contributions for Library Stock. Section 5.8 of this report identifies future requirements.
			\A/					
			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
Landfill Energy from Waste (EfW)	District-wide District-wide	quired within County to meet future demands that the District		NCC	NCC		running out. Recy- cling and compost- ing rates are in- creasing but new landfill capacity will	cal 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
Energy from Waste		quired within County to meet future demands that the District will contribute towards 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 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 N/A			2022/23	running out. Recycling and composting rates are increasing but new landfill capacity will need to be found. Enough capacity for Local Authority Collected Waste within County but a shortfall of approx' 200,000 tonnes to meet future C&I waste management	cal 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) Municipal Recycling	District-wide	quired within County to meet future demands that the District will contribute towards 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 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	2022/23 By 2033	running out. Recycling and composting rates are increasing but new landfill capacity will need to be found. 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 Recycling and composting increasing to meet targets to help reduce demand	cal 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 See above Sufficient capacity is provided by recycling/composting facilities within the plan area to manage the plan area's LACW and

					glian Water	with de- velop- ment		
Gas	All locations	Local connections to strategic infrastructure	N/A	Developer funded	Na- tional Grid Gas	Con- sistent with de- velop- ment	Delivered as part of development	Delivered as part of development
Electricity	All locations	Local connections to strategic infrastructure	N/A	Developer funded	Na- tional Grid	Con- sistent with de- velop- ment	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 Open- reach	Con- sistent with de- velop- ment	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 Wa- ter/An glian Water	Con- sistent with de- velop- ment	Delivered as part of development	Delivered as part of development
			ood 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	Devel- oper	Con- sistent with de- velop- ment	Delivered as part of development	CIL project identified for Tolney Lane, Newark to deliver an access road/flood alleviation scheme
		Green	Infrastructure		1			
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	Devel- oper	Con- sistent with de- velop- ment	Delivered as part of development	Delivered as part of development
		T	ransport					
		A1 Overbridge widening, Fernwood, Newark	£5,600,000	CIL	NCC	Con- sistent with de-		£5.6 million funding now secured through CIL receipts
						velop- ment		
		A46/A617 Cattle Market Roundabout, Newark	£3,600,000	DfT Funded	Na- tional High- ways			
Highway Improve- ments	Newark, Balderton & Fern- wood	A46/A617 Cattle Market Roundabout, Newark A1/A17 Friendly Farmer Roundabout, Newark	£3,600,000 £2,400,000	DfT Funded DfT Funded	tional High- ways Na- tional High- ways	ment	To be identified as	The scheme is progressing well and is on track to
	1				tional High- ways Na- tional High- ways Na- tional High- ways	ment	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.
	1	A1/A17 Friendly Farmer Roundabout, Newark	£2,400,000	DfT Funded	tional High- ways Na- tional High- ways Na- tional High-	Post 2020 as part of	part National High- ways improvement scheme for RIS 2	commence development in 2025, with completion

				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	Con- sistent with de- velop- ment	See IDP Transport Report 2034
Bilsthorpe	A614, C13 Eakring Road Junction, Bilsthorpe	£120,000	CIL	NCC	Con- sistent with de- velop- ment	See IDP Transport Report 2035
Blidworth	A614/A6097 Oxton Bypass, Blidworth	£1,500,000	CIL	NCC	Con- sistent with de- velop- ment	See IDP Transport Report 2036
Ollerton & Boughton	A614/A616/A6075 Ollerton Roundabout, Ollerton & Boughton	£5,000,000	S106/Devel- oper	NCC	Con- sistent with de- velop- ment	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.

			<u>Key</u>	Est	imated Spare Capacity (R	AG)	Wat	ercourse constra	nints		
			Not Measured	Non Mcerted - S	cale of WwTW is below th monitoring	nat requiring flow		ric - Permit does of specific conta	•		
			Low	ı	Not expected to be an issu	ie	No land or other	constraints prev	enting expansion		
			Medium	Marginal co	oncern subject to size of d	evelopment		nts that could lim dditional capacit	•		
			High		Probable issue		Limited scope	to provide addit	ional capacity		
			Very High	Issu	e Currently being investig	ated	No scope to	provide addition	nal 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
	CLIFTON (STW)	411	59	79	141	442	481	Low	High		01/06/2022
11262-ST1	COLLINGHAM (STW)	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
	2								11.811	AMP7 scheme in progress	
						4325	4678	Low	High	to meet WFD Phosphate	
11376-ST1	EAST MARKHAM (STW)	3976	769	1160	2755	1020				removal driver	01/06/2022
		0010								Site identified for AMP8	,,
										investment for provision of	
						17555	19059	Low	Medium	additional capacity, in so	
										far as environmental	
11304-ST1	EDWINSTOWE (STW)	16555	2752	3189	3138					capacity will permit	01/06/2022
	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
11270 311	TARREDON (STW)	2415	301	023	075	2332	2021	LOW	2011	Site likely to be included in	01/00/2022
										our AMP8 Quality	
										programme, with quality	
						3596	3914	Medium	Low	driver, when we would	
										expect to resolve capacity	
11271-ST1	FARNSFIELD (STW)	3351	561	600	325					risks also.	01/06/2022
11271 ST1	HALAM (STW)	21	Non Mcerted	9	0	23	25	Non Mcerted	NON-NUMERIC	113K3 4130.	01/06/2022
112/3-311	HALAIVI (31 VV)	21	Non Micerted	9	0	23	23	Nonvicented	NON-NOIVIENIC	Infiltration reduction	01/00/2022
										investigations on-going,	
										with the aim of liberating	
						403	438	Very High	High	_	
	KIRKI INICTONI. CORKNAILI I ANIF									existing capacity to	
11270 CT1	KIRKLINGTON - CORKMILL LANE	275	112	O.F.						accommodate projected	01/06/2022
11279-ST1	(STW)	375	112	85	0	242	220	No. No. de de de de		growth.	01/06/2022
11325-ST1	KNEESALL (STW)	197	Non Mcerted	25	0	212	230	Non Mcerted	Low	Challed to be tool dealth	01/06/2022
										Site likely to be included in	
										our AMP8 Quality	
						234	255	High	Medium	programme, with	
										Phosphate removal driver,	
4 4 C 4 4 C T 4	LANTON (STIM)	240	65	6.4	42					when we would expect to	04 /05 /0000
-	LAXTON (STW)	218	65	64	12					resolve capacity risks also.	01/06/2022
11307-ST1	PERLETHORPE (STW)	55	Non Mcerted	20	0	59	64	Non Mcerted	Low		01/06/2022
										Site likely to be included in	
										our AMP8 Quality	
						22937	24829	Low	High	programme, with Ammonia	
						22337	2.023	20	6	removal driver, when we	
										would expect to resolve	
11311-ST1	RAINWORTH (STW)	22596	3581	4492	6487					capacity risks also.	01/06/2022
										AMP7 scheme in progress	
						10549	11480	Low	Low	to meet storm discharge	
11249-ST1	SOUTHWELL (STW)	9828	2054	2598	3851					reduction driver	01/06/2022
14619-ST1	STAUNTON (STW)	34	Non Mcerted	6	0	37	40	Non Mcerted	NON-NUMERIC		01/06/2022
1										Site identified for AMP8	7
						597695	636649	High	Low	investment for provision of	
						337033	030049	Ligii	LOW	additional capacity to meet	
11285-ST1	STOKE BARDOLPH (STW)	551814	119980	148000	11399					projected growth	01/06/2022
										AMP7 scheme planned to	
	SUTTON ON TRENT - CROMWELL					4954	5389	Low	Low	address permit compliance	
11250-ST1	(STW)	4611	1155	1400	1739					risks	01/06/2022
					1,00					113K3	01/00/2022

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
				No clear sustainable outfall for surface water, site has the potential to impact on the performance of
STW - Sewage Treatment Works	EO - Emergency Overflow	High	Network Improvements like to be required	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
				Sustainable outfalls in adjacent or within site, therefore no surface water connections to the
CSO - Combined Sewer Overflow		Low	Network Improvements unlikely to be required	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
Newarl and Sherwo District Council		Land North	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

		1	T	T					-			T	7	1	
														Site can drain	
										Reported				directly to	
										flooding and				tributary of the	
										medium to				River Trent	
										high risk	Site will			located to the	
	Newark		Land at							predicted	connect to			North of the site.	
	and		Current							flooding	150mm foul			Surface water	
	Sherwood		Brownfills							downstream	sewer to the			sewer will require	
	District		Motor					Crankley		of	South of the		Tributary to	constructing to	
	Council	NUA/MU/2	Homes Sites	Newark	Mixed	9.30	-	Point STW	25/08/2022	development.	site.	Medium	River Trent	the outfall.	Low
										Reported					
										flooding and					
										medium to					
										high risk					
										predicted					
										flooding					
										dowmstream					
										of	Site will				
										development.	connect to				
										Reported	375mm foul				
										flooding	sewer to the			Site can drain	
										incidents	South West			directly to	
											corner of the			1	
										downstream.				tributary to River	
										Size of	site running			trent, running	
										development	South on			centrally through	
	Name									will have	Brunel Dr.			the site.	
	Newark									adverse	Parts of the			Brownfield site,	
	and									impact on	site may			efforts need to be	
	Sherwood		Newark					6		downstream	require		T 20 1 2 2 1 2	made to seperate	
	District		Industrial					Crankley	05/00/0000	sewerage	pumping due		Tributary to	surface and foul	
	Council	NUA/E/1	Estate	Newark	Employment	96.08	-	Point STW	25/08/2022	network.	to topography	High	River Trent	water.	Low
										Reported				Site can drain	
										flooding and	Site will			directly to	
	1									medium risk	connect to			tributary to River	
	Newark									predicted	225mm foul			trent, running	
	and		Land West							flooding	sewer within			centrally through	
	Sherwood		of A1 on							downstream	the Western of			the site and on	
	District		Stephenson					Crankley		of	the site		Tributary to	Southern	
	Council	NUA/E/2	Way	Newark	Employment	12.24	-	Point STW	25/08/2022	development.	boundary.	Medium	River Trent	boundary.	Low
											Site will				
											connect to				
											225mm foul				
											sewer within				
											the Western of				
											the site			Site can drain	
											boundary			directly to	
											flowing South			tributary to River	
											parallel to			trent to the North	
										Reported	Middleton Rd			of the site,	
										flooding and	and following			surface water	
										medium to	Telford Dr for			sewer will require	
										high risk	southern parts			constructing to	
	Newark									predicted	of site. Part of			outfall. Parts of	
	and									flooding	the site will			the site will	
İ													1	i	1
	Sherwood									downstream	require			require pumping	
		NUA/E/3	Land off					Crankley Point STW	25/08/2022	downstream of	require pumping due		Tributary to River Trent	require pumping due to	

													_	
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

										Site will]	1	
										connect to				
										750mm				
										combined				
										sewer heading				
										North East				
Newark										through the			Site can drain	
and										site to			directly to	
Sherwood		Land West							No known	Rainworth STW			Rainworth Water	
District		of Colliery					Rainworth		network	on Rufford		Rainworth	on the Eastern	
Council	Ra/E/1	Lane	Rainworth	Employment	5.50	-	STW	25/08/2022	constraints	Colliery Ln	Low	Water	border of the site	Low
													Surface water can	
													drain to open	
													water	
													tributary/natural	
													soakaway to the	
													North of the	
													development. Surface water	
									Reported				sewer	
									flooding and	Site will			construction will	
									predicted	connect to			be required to	
									flooding,	225mm foul			outfall.	
Newark									reported	sewer to the			Brownfield,	
and		Land on							pollution and	South of the			efforts need to be	
Sherwood		Blidworth							EA warning	site, heading		Soak-away at	made to separate	
District		Industrial					Rainworth		letter	East on Burma		rear of	surface and foul	
Council	BI/E/1	Park	Blidworth	Employment	1.00	-	STW	25/08/2022	downstream.	Road	Medium	development	water.	Low
									development				Site can drain to	
									of 25, but 5				River Trent to the	
									have already				West of the site.	
									been				Surface water	
									completed.				sewer will require	
									Reported				constructing to	
									pollution at				outfall	
									STW with	Development				
									effluent	will join				
Newark									exceeding	750mm				
and		London the							consent. High	combined				
Sherwood District		Land south of Quibells					Crankley		risk Predicted flooding	sewer heading North to				
Council	NUA/Ho/2	Lane	Newark	Residential	_	25	Point STW	25/08/2022	downstream.	Quibells Lane.	Medium	River Trent		Low
Council	1107911072	24110	11CVIUIN	Residential				23,00,2022	320 dwellings,	Quibella Lulle.	. Treatain	vc. riciit	Site can drain to	
									but 130 to be				tributary of the	
									developed net				River Trent to the	
									gain of 190.				East of the site.	
									Site previously	Development			Surface water	
									assessed as	will join			sewer will require	
									part of NeS-	225mm foul			constructing to	
									049-0002, Low	sewer heading			outfall.	
									flood risk,	South on Yorke				
Newark									Very low	Drive. Part of				
and		Yorke Drive							pollution risk.	the site may				
Sherwood		and Lincoln							Predicted	require		Tributary to		
District		Road Playing							flooding	pumping due		the River		
Council	NUA/Ho/4	Fields	Newark	Residential	-	190		25/08/2022	downstream	to topography.	Medium	Trent		Low

		1	1	1			•	1	1	1		7	1	
									of					
									development.					
									Predicted and					
									reported					
									external					
									flooding					
									downstream,					
									with reported					
									pollution. Size	Development				
									of the	will join			Site can join	
									development	150mm foul			225mm surface	
									likely to	sewer to the			water sewer to	
Navionic									1 '					
Newark									adversely	South East			theSouth east	
and									impact	boundary of			boundary to	
Sherwood		Land North							downstream	development,			development,	
District		of Beacon					Crankley		sewerage	heading South			heading South on	
Council	NUA/Ho/5	Hill Road	Newark	Residential	-	200	Point STW	25/08/2022	network.	on Lily Ln.	High	River Trent	Lily Ln	Medium
									High risk					
									predicted					
									adjacent to					
									reported					
									flooding					
									downsream.					
									Site likely to	Development				
									1	1 '			Cito con duoin	
									have an	will join			Site can drain	
									adverse	225mm			directly to	
									impact on	combined			Balderton Lake to	
									downstream	sewer to the			the East of the	
Newark									sewerage	West of the			site. Surface	
and									network with	development,			water sewer will	
Sherwood		Land on							regular	heading North			require	
District		Bowbridge					Crankley		flooding and	on Bowbridge		Balderton	constructing to	
Council	NUA/Ho/8	Road	Newark	Residential	-	87	Point STW	25/08/2022	surcharging.	Rd	High	Lake	outfall.	Low
								, ,	Medium to					
									High risk					
									predicted					
									flooding					
									1					
									adjacent to					
									reported	Daniel I I				
									flooding	Development				
									downstream	will join			Site can drain	
									of	225mm			directly to	
									development.	combined			Balderton Lake to	
									Site may have	sewer to the			the East of the	
Newark									adverse	West of the			site. Surface	
and									impact on	development,			water sewer will	
Sherwood		Land on							downstream	heading North			require	
District		Bowbridge					Crankley		sewerage	on Bowbridge		Balderton	constructing to	
Council	NUA/Ho/9	Road	Newark	Residential	-	150	Point STW	25/08/2022	network.	Rd	High	Lake	outfall.	Low
Newark	7.10,0							-,,	Site previously	Development	5		Site can drain	-
and									assessed as	will join			directly to	
Sherwood		Land North							part of NeS-	150mm foul			Balderton Lake to	
		of Lowfields					Balderton		009-0001,	sewer to the		Tributanyta	the South of the	
District	NII I A / I I - / 1 O		Novemb	Posidontial		120		25/09/2022	high flood risk,		Ligh	Tributary to River Trent		Low
Council	NUA/Ho/10	Lane	Newark	Residential	<u> </u>	120	STW	25/08/2022	I HIGH HOUG HSK,	West of the	High	vivet trent	site. Surface	Low

-		-					•			i		-		
									very high	development,			water sewer will	
									pollution risk.	heading South			require	
									'	West			constructing to	
													outfall.	
										Development			Site can drain to	
										1				
										will join			tributary of the	
										300mm			River Trent to the	
										combined			North East of the	
										sewer to the			site. Surface	
										West of the			water sewer will	
										development,			require	
										heading South			constructing to	
										on Northern			outfall.	
Newark		Land at the							Predicted	Rd. Part of the			Brownfield site,	
and		Current NSK							flooding and	site may			efforts need to be	
Sherwood		Factory on							reported	require			made to separate	
District		Northern							pollution	1		Tributanyta	surface and foul	
	NILLA /N.611/2		Nouselle	Mixad	20.64	150		25/00/2022	1 '	pumping due	Law	Tributary to		Low
Council	NUA/MU/3	Road	Newark	Mixed	20.61	120		25/08/2022	downstream	to topography.	Low	River Trent	water.	Low
									15 are				Once all other	
									complete.				options on the	
									Predicted				drainage	
									flooding				hierarchy are	
									adjacent to				exhausted.	
									reported				Development	
									flooding	Development			may join 225 mm	
									downstream	will join			combined sewer	
									of	225mm			to the North of	
									development.	combined			the site.	
									Size of	sewer to the			the site.	
									development	North of the				
Name														
Newark									may have	development,				
and									adverse	heading North				
Sherwood		Land at							impact on	to NEWARK -				
District		Bowbridge							downstream	BOWBRIDGE				
Council	NUA/MU/4	Road	Newark	Mixed	10.52	147		25/08/2022	network.	RD CSO	High	River Trent		High
									24 dwellings					
									complete. Site					
									previously					
									assessed as					
									part of N&S-					
									107-0001,	Development				
									Medium flood	will join				
										1 -			Cito can drain	
									risk, low	150mm			Site can drain	
									pollution risk.	combined			directly to	
									Reported	sewer to the			tributary to the	
									flooding	North of the			river trent located	
									downstream	development,			to the East of the	
Newark									of	heading North			site boundary.	
and		Land South							development	East to			Surface water	
Sherwood		of							including EA	SOUTHWELL -		Tributary to	sewer will require	
District		Halloughton					Southwell		warning	NOTTINGHAM		the River	constructing to	
Council	So/Ho/2	Road	Southwell	Residential	_	45	STW	25/08/2022	letters.	ROAD CSO	Medium	Trent	outfall.	Low
20411011	30/110/2		Journwell		1		- · · · ·	23/00/2022	1.0000.3.	1	ıcaiaiii	1	Jaciani	

												_		
										Development			Once all other	
									Site previously	will join			options on the	
									assessed as	225mm			drainage	
									part of NeS-	combined			hierarchy are	
									107-0002, Low				exhausted.	
									flood risk,	East of the			Development	
									1					
									Very Low	development,			may join 225 mm	
									pollution risk.	heading North			combined sewer	
Newark									Downstream	on Avondale.			to the North of	
and									reported	Part of the site			the site. Parts of	
Sherwood		Land East of							pollution and	will require		Tributary to	the site will	
District		Kirklington					Southwell		Level 2 EA	pumping due		the River	require pumping.	
Council	So/Ho/4	Road	Southwell	Residential	_	45	STW	25/08/2022	warning letter.	to topography.	Medium	Trent		High
33	30/110/1	11000					• • • • • • • • • • • • • • • • • • • •	-5,00,-0	in annual processing	Development				6
										will join				
										1 -				
										225mm				
										combined			Site can drain	
										sewer to the			directly to	
										South of the			tributary to the	
										development,			river trent located	
										heading East			to the North East	
									Reported	on Lower			of the site	
Newark									pollution	Kirklington Rd.			boundary.	
and		Land of							downstream	Part of the site			Surface water	
Sherwood		Lower							of	will require		Tributary to	sewer will require	
							Cauthurall					· ·	· ·	
District	0 /11 /5	Kirklington					Southwell	05/00/0000	development	pumping due		the River	constructing to	
Council	So/Ho/5	Road	Southwell	Residential	-	60	STW	25/08/2022	site	to topography.	Low	Trent	outfall.	Low
									permission for					
									305, 57	Site will			Site can drain	
									already	connect to			directly to River	
									completed.	375mm			Maun along	
									Upstream	combined			Western	
									reported	sewer running			boundary of the	
									flooding to the	_			site. Surface	
									South of the	Eastern edge			water sewer will	
										1				
1									site, predicted	of site parallel			require	
Newark									flooding	to Petersmith			constructing to	
and		Land at the							adjacent to	Dr. Part of the			outfall. Parts of	
Sherwood		rear of							reported	may require			site may require	
District		Petersmiths	New				Boughton		flooding on	pumping due			pumping due to	
Council	OB/Mu/1	Drive	Ollerton	Mixed	38.45	305	STW	25/08/2022	downstream	to topography.	Medium	River Maun	topography.	Low
									Reported and					
									predicted	Site will			Site can drain via	
									medium risk	connect to			existing 450mm	
		The land							flooding	225mm foul			surface water	
November									_				sewer within the	
Newark		between							downstream,	sewer running				
and		Kirk Drive,							one reported	North within			North East	
Sherwood		Stepnall							grey water	the North-east			boundary of the	
District		Heights and	New				Boughton		pollution	boundary of		Tributary to	site, parallel to	
Council	OB/Mu/2	Hallam Road	Ollerton	Mixed	25.91	120	STW	25/08/2022	incident.	the site.	Medium	River Maun	the foul sewer.	Medium
									Reported and	Site will			Site will connect	
									predicted	connect to			to existing	
Newark									flooding	225mm foul			225mm surface	
and		Land to the							adjacent	sewer running			water sewer to	
Sherwood		North of							downstream,	East on		Open	the East of the	
							Educinotario		1					
District	ED /11 /2	Mansfield	Falcition	Desident I		F.C.	Edwinstowe	25 /02 /2222	including	Mansfield	NA - di	drainage	deveopment	NA - ali
Council	ED/Ho/2	Road	Edwinstowe	Residential	-	50	STW	25/08/2022	reported	Road.	Medium	ditch	running South on	Medium

1	İ		İ	I	I	ĺ			Ī	م السالم ا	I		1	Covendiah	
										pollution associated				Cavendish Avenue	
										with surface				Avenue	
										water FOURTH					
										AVENUE CSO.					
						1				AVEIVOL COO.	Site will				
											connect to				
										scale	150mm foul				
										increased. Site	sewer to the				
										previoulsy	south east of				
										assessed as	the site,			Site will connect	
										part of NeS-	running North			to existing surface	
	Newark		Land to the							107-0003.	on Kirklington			water sewer to	
	and		east of Ho							Reported	Rd. Parts of the			the West of the	
	Sherwood		PP and north							external	site will require			deveopment	
	District		of Wycar					Bilsthorpe		flooding	pumping due			running North on	
	Council	Bi/Ho/2	Leys	Bilsthorpe	Residential	-	136	STW	25/08/2022	downstream	to topography.	Medium	River Maun	Kirklington Rd	Medium
										under					
										construction.					
										Reported	Site will				
										flooding	connect to			Site will connect	
										downstream.	300mm			to existing	
	N									EA warning	combined			375mm surface	
	Newark									letter	sewer to the			water sewer to	
	and		Land to the							downstream	West of the			the South West of	
	Sherwood District		Land to the East of					Bilsthorpe		at Rainworth water surface	development headin South		Rainworth	the development running South on	
	Council	Bi/MU/1	Eakring Road	Bilsthorpe	Mixed	7.91	103	STW	25/08/2022	water surface	on Eaking Rd	Medium	Water	Eaking Rd	Medium
	Courien	DI/IVIO/1	Laking Noau	biistriorpe	IVIIAEU	7.51	103	31 00	23/00/2022	increase in	On Laking Nu	iviculum	vvater	Laking Nu	Wiedidiff
										scale.					
										Reported					
										flooding and					
										pollution					
										adjacent to					
										predicted					
										flooding.					
										Downstream					
										surface water					
										reported					
										pollution. Size					
										of site likely to					
										have an	connect to			Site will connect	
	Newark									adverse	150mm Foul			to existing surface	
	and		1000 + 0 + 1-							impact on	sewer to the			water sewer to	
	Sherwood		Land to the East of					Dainwarth		downstream	North of the		Dainwarth	the North of the	
	District	Ra/Ho/2		Rainworth	Residential		255	Rainworth STW	25/08/2022	sewerage	site on Rochester Rd	High	Rainworth Water	site on Station Road	Medium
	Council	Na/ NU/ Z	Warsop Lane	naiiiWUI ([]	nesidelilidi	+	233	31 VV	23/00/2022	network.	Site will	High	vvalei	Nuau	ivieuiuiii
											connect to				
											300mm			Site can drain	
											combined			directly to	
	Newark										sewer to the			Rainworth water	
	and										North of the			along the	
	Sherwood		Land at							No known	site parallel			Western	
	District		Kirklington					Rainworth		model	with Rufford		Rainworth	boundary of the	
	Council	Ra/MU/1	Road	Rainworth	Mixed	1.24	6	STW	25/08/2022	constraints	Colliery Ln	Low	Water	site.	Low
		, -, -	•				i		, ,	1	, , , , , , , , , , , , , , , , , , ,		_	i	1

												_		
									Medium risk	Site will			Site can drain	
									predicted	connect to			directly to Vicar	
									flooding,	375mm			Water to the East	
									reported	combined			of the site. Site is	
Newark									pollution	sewer to the			Brownfield,	
		Land at the												
and									downstream	East of the site			efforts need to be	
Sherwood		former							of	running North			made to separate	
District		Clipstone					Edwinstowe		development	parallel to			surface and foul	
Council	CI/MU/1	Colliery	Clipstone	Mixed	12.00	120	STW	25/08/2022	site	Vicar Water	Low	Vicar Water	water.	Low
										Site will				
										connect to				
										225mm			Site will connect	
										combined			to existing surface	
Newark										sewer to the			water sewer to	
and									Reported	North of the			the North of the	
Sherwood									flooding and	site heading			development	
		Land at Dale					Rainworth		1			Drainage	· ·	
District	D1/11 - /4		1	B				25 /00 /2022	pollution	West on Dale	NA . dt	Drainage	running East on	NA . II
Council	BI/Ho/1	Lane	Blidworth	Residential	-	55	STW	25/08/2022	downstream	Ln	Medium	ditch	Dale Ln	Medium
									permission for					
									81. Site	Site will				
									previously	connect to				
Newark									assessed as	150mm foul			Site will connect	
and									part of NeS-	sewer heading			to existing	
Sherwood									123-0003: low	East through		Drainage	450mm surface	
District		Land south					Rainworth		flood risk, high	the site to		ditch/soak-	water sewer	
Council	BI/Ho/3	of New Lane	Blidworth	Residential	_	100	STW	25/08/2022	pollution risk.	Meadow Rd	Medium	away	within site.	Medium
Newark	ы/по/з	Of New Lane	Dilaworth	Residential	+	100	SIW	23/00/2022	37 dwelling	IVIEduow Nu	Wiedidiii	away	within site.	Wiedidiii
		Lond to the												
and		Land to the							Complete , no					
Sherwood		East of							further					
District		Hemplands	Sutton on						assessment					
Council	ST/MU/1	Lane	Trent	Mixed	4.15				required					
Newark									67 dwellings					
and									Complete, No					
Sherwood		Land East of							further					
District		Allenby							assessmetn					
Council	So/Ho/1	Road	Southwell	Residential	_	65			required					
Newark									34 dwellings					
and									complete, no					
Sherwood		Land at							further					
District	C = /11 - /2	Nottingham	C	Deside of 1		20			assessment					
Council	So/Ho/3	Road	Southwell	Residential	ļ -	30	-		required					
Newark									67 dwellings					
and									complete, no					
Sherwood		Land at the							further					
District		Burgage							assessment					
Council	So/Ho/6	(Rainbows)	Southwell	Residential	-	25			required					
Newark														
and		Land at the												
Sherwood		Former												
District		Minster												
	So/MU/1		Southwall	Mixad	2 11				De alllocated					
Council	30/WIU/1	School	Southwell	Mixed	2.11		<u> </u>	1						
Newark		Land to the							60 dwellings					
and		east of							Complete, no					
Sherwood		Ridgeway			1				further					
District		and							assessment					
Council	Fa/Ho/1	Greenvale	Farnsfield	Residential	-	35			required					
L L		•		•			•						•	,

Newark							106 dwellings	
and							Complete, no	
Sherwood		Land to the					further	
District		west of					assessment	
Council	Fa/MU/1	Cockett Lane	Farnsfield	Mixed	0.50	70	required	
Newark							147 dwellings	
and							completed, no	
Sherwood		Land north					further	
District		of Wellow					assessment	
Council	OB/Ho/1	Road	Ollerton	Residential	-	125	required	
Newark							40 Dwellings	
and							Completed, no	
Sherwood		Land					further	
District		adjacnet to					assessment	
Council	OB/Ho/2	Hollies Close	Boughton	Residential	-	25	required	
Newark		Land at the					88 Dwellings	
and		former					Completed,	
Sherwood		Ollerton					No further	
District		Miners	New				assessmnet	
Council	OB/Ho/3	Welfare	Ollerton	Residential	-	70	required	
		Land to the						
		east of						
Newark		Rufford					all 64	
and		Road and					dwellings	
Sherwood		north of					completed, no	
District		Mansfield					further	
Council	ED/Ho/1	Road	Edwinstowe	Residential	-	72	assessment	
Newark							61 dwellings	
and							completed, no	
Sherwood							furhter	
District		Land North					assesmsnet	
Council	Ra/Ho/1	of Top Street	Rainworth	Residential	-	54	needed	
Newark								
and								
Sherwood		Land at Dale						
District		Lane						
Council	BI/Ho/4	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 Hawton STN Primary 11 Leading the Way MW 17.0 15.1 13.6 12.0 10.0 7.3 4.7 1.5 -1.6 -4.9	9.3 8.2 7.4 5.8 -1.0 -4.8 76.7 76.1	-16.0 7.0 4.2 -8.5 75.4
Staythorpe Hawton STN Primary 11 Steady Progression Headroom (MW) 17.0 16.3 15.9 15.4 14.8 13.9 13.0 12.1 11.3 10.4	7.4 5.8 -1.0 -4.8 76.7 76.1	4.2 -8.5 75.4
Staythorpe 132kV Hawton NEWARK JUNCTION 33 11kV S Primary 11 System Transformation (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 -1.0 -4.8 76.7 76.1	4.2 -8.5 75.4
Staythorpe 132kV Hawton NEWARK JUNCTION 33 11kV S STN Primary 11 WPD Best View (MW) (MW) 17.0 15.8 14.9 13.8 12.4 10.6 8.9 6.8 4.8 2.5 Staythorpe 132kV Hawton SWINDERBY 33 11kV S STN Primary 11 Consumer Transformation (MW) 79.1 79.2 79.1 79.0 78.7 78.4 78.0 77.7 77.3 Staythorpe 132kV Hawton SWINDERBY 33 11kV S STN Primary 11 Leading the Way (MW) 79.1 79.1 78.8 78.7 78.1 77.5 76.8 76.2 75.6	-1.0 -4.8 76.7 76.1	-8.5 75.4
132kV Hawton STN Primary 11 WPD Best View (MW) 17.0 15.8 14.9 13.8 12.4 10.6 8.9 6.8 4.8 2.5	76.7 76.1	75.4
132kV Hawton SWINDERBY 33 11kV S STN Primary 11 Transformation (MW) 79.1 79.2 79.1 79.0 78.7 78.4 78.0 77.7 77.3 Staythorpe 132kV Hawton SWINDERBY 33 11kV S STN Primary 11 Leading the Way (MW) 79.1 79.1 78.9 78.8 78.7 78.1 77.5 76.8 76.2 75.6		
Staythorpe Hawton SWINDERBY 33 11kV S STN Primary 11 Leading the Way headroom (MW) 79.1 78.9 78.8 78.7 78.1 77.5 76.8 76.2 75.6	75.2 74.7	74.1
l legación de la companyación de l		+
Staythorpe Hawton SWINDERBY 33 11kV S STN Primary 11 Steady Progression (MW) 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 Hawton SWINDERBY 33 11kV S STN Primary 11 Thermal headroom (MW) 79.1 79.2 79.1 79.0 78.9 78.8 78.8 78.8 78.7	78.4 78.1	77.8
Staythorpe Hawton SWINDERBY 33 11kV S STN Primary 11 WPD Best View Thermal headroom (MW) 79.1 79.1 79.0 78.9 78.6 78.4 78.1 77.5	77.0 76.5	75.9
Chesterfield Clipstone C	-4.1 -13.5	-23.0
Chesterfield Bulk Supply Bulk Supply Bulk Supply Bulk Supply Clipstone Clipsto	-31.6 -41.9	-52.3
Chesterfield Bulk Supply Bulk Supply Bulk Supply Steady Progression Clipstone	20.0 17.1	13.9
Chesterfield Bulk Supply System headroom 132kV Clipstone Clipsto		8.3
Chesterfield Bulk Supply Thermal headroom		
132kV Clipstone Clipstone Clipstone Point 33 WPD Best View (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
132kV Clipstone BILSTHORPE 33 11kV S STN Primary 11 Transformation (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 (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 (MW) (MW) 9.4 9.5 9.5 9.5 9.4 9.3 9.3 9.2 9.2	9.0 8.9	8.7
Chesterfield Clipstone BILSTHORPE 33 11kV S STN Primary 11 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 Clipstone BILSTHORPE 33 11kV S STN Primary 11 WPD Best View (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 Clipstone CLIPSTONE 11kV S STN Primary 11 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 Clipstone CLIPSTONE 11kV S STN Primary 11 Leading the Way (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 Clipstone CLIPSTONE 11kV S STN Primary 11 Steady Progression (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 Thermal headroom Transformation (MW) 16.5 16.4 16.3 16.1 16.0 15.7 15.5 15.4	15.0 14.7	14.4
Chesterfield Clipstone CLIPSTONE 11kV S STN Primary 11 WPD Best View (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	Annesley (1 &	DI IDMODTILI CO 4413/ C CTN	Drive	44	WDD Bart View	Thermal headroom	0.4	0.4	4.0	4.0	4.0	0.0	0.0	0.0	0.0	4.4	0.4	0.4	4.0
132kV	2)	BLIDWORTH 33 11kV S STN	Primary	11	WPD Best View	(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	Substation	Supply Level	Voltage Level	Scenario	Units	Limiting constraint	0	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Staythorpe	Point	CARLTON ON TRENT 33		(kV)	Consumer	Headroom														
132kV	Hawton	11kV S STN	Primary	11	Transformation	(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		CARLTON ON TRENT 33				Headroom														
132kV	Hawton	11kV S STN	Primary	11	Leading the Way	(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	Hauston	CARLTON ON TRENT 33	Daire		Ota a de Desarración	Headroom	Theorem			5.0	5 0	5 0	4.0	4.0	4.7	4.5	0.0	0.0	0.0	
132kV	Hawton	11kV S STN CARLTON ON TRENT 33	Primary	11	Steady Progression System	(MW) Headroom	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	11kV S STN	Primary	11	Transformation	(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	i idiitori	CARLTON ON TRENT 33	i iiiiaiy		Transformation	Headroom	monna	0	0.0	0.0	0.0					0.2		1.0	0.0	
132kV	Hawton	11kV S STN	Primary	11	WPD Best View	(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					Consumer	Headroom														1
132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Transformation	(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	Houston	CAVILLODDE 33 44kV 6 STN	Drimon	14	Loading the May	Headroom	Thormal	12.4	12.2	122	12.0	10.0	10.5	10.0	12.0	11.0	11 5	11.0	44.4	10.0
132kV Staythorpe	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Leading the Way	(MW) Headroom	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
132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Steady Progression	(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	i idiitori	CATTION 2 SO THAT SOME	i iiiiaiy	1	System	Headroom	1471	10.1	10.1	10.0	10.0	10.0	10.2	10.2	10.0	12.0	12	12.0	12.2	
132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	Transformation	(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						Headroom														1
132kV	Hawton	CAYTHORPE 33 11kV S STN	Primary	11	WPD Best View	(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	Haustan	FEDAUMOOD 22 4412/ C CTN	Drives	44	Consumer	Headroom	NI/A	40.5	40.5	40.0	40.0	40.5	40.5	40.4	40.0	40.4	44.0	44.7	44.0	1 44 4
132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	Transformation	(MW) Headroom	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	(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	Hawton	TERRITORIO SO TIRVO COTA	1 minary	1	Leading the vvay	Headroom	14/7	12.0	12.0	12.0	12.0	12.0	12.4	12.0	12.2	12.0	11.0	11.0	11.0	
132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	Steady Progression	(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					System	Headroom														
132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	Transformation	(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	l	FEDNINGOD OG 441 V O OTN	.		MIDD D () //	Headroom	N1/A	40.5	40.5	400	40.0	40.5	40.5	40.4	40.0	40.4	44.0	44.7	44.0	1 444
132kV	Hawton	FERNWOOD 33 11kV S STN	Primary	11	WPD Best View	(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	Tiawton	TAWTON TIRV 5 5114	1 minary	11	Hansionnation	Headroom	memai	13.7	10.0	10.0	0.0	0.0	7.5	0.0	2.1	1.5	0.4	-0.0	-1.0	-2.0
132kV	Hawton	HAWTON 11kV S STN	Primary	11	Leading the Way	(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						Headroom														
132kV	Hawton	HAWTON 11kV S STN	Primary	11	Steady Progression	(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	1		 		System	Headroom	l													
132kV	Hawton	HAWTON 11kV S STN	Primary	11	Transformation	(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	Tiawton	NEWARK JUNCTION 33	Tilliary		Consumer	Headroom	THEIIIIAI	13.7	13.3	13.3	0.0	5.5	4.3	3.9	2.1	1.0	0.4	-0.0	-1.9	-2.9
132kV	Hawton	11kV S STN	Primary	11	Transformation	(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		NEWARK JUNCTION 33				Headroom									5.5					
132kV	Hawton	11kV S STN	Primary	11	Leading the Way	(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		NEWARK JUNCTION 33				Headroom														
132kV	Hawton	11kV S STN	Primary	11	Steady Progression	(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	House	NEWARK JUNCTION 33	D.:		System	Headroom	Thermal	404	40.4	40.0	40.0	40.0	40.0	40.5	44.0	40.0	0.0	0.7	7.0	5.7
132kV Staythorpe	Hawton	11kV S STN NEWARK JUNCTION 33	Primary	11	Transformation	(MW) Headroom	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
132kV Staythorpe	Hawton	11kV S STN	Primary	11	WPD Best View Consumer	(MW) Headroom	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
132kV Staythorpe	Hawton	SOUTHWELL 33 11kV S STN	Primary	11	Transformation	(MW) Headroom	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
132kV Staythorpe	Hawton	SOUTHWELL 33 11kV S STN	Primary	11	Leading the Way	(MW) Headroom	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
132kV	Hawton	SOUTHWELL 33 11kV S STN	Primary	11	Steady Progression	(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						Headroom														
132kV Staythorpe	Hawton	SWINDERBY 33 11kV S STN	Primary	11	Steady Progression System	(MW) Headroom	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
132kV Staythorpe	Hawton	SWINDERBY 33 11kV S STN	Primary	11	Transformation	(MW) Headroom	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
132kV Chesterfield	Hawton Annesley (1	SWINDERBY 33 11kV S STN	Primary	11	WPD Best View Consumer	(MW) Headroom	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
132kV	& 2)	BLIDWORTH 33 11kV S STN	Primary	11	Transformation	(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	Annesley (1					Headroom														
132kV Chesterfield	& 2) Annesley (1	BLIDWORTH 33 11kV S STN	Primary	11	WPD Best View Consumer	(MW) Headroom	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
132kV Chesterfield	& 2) Annesley (1	FARNSFIELD 33 11kV S STN	Primary	11	Transformation	(MW) Headroom	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
132kV Chesterfield	& 2) Annesley (1	FARNSFIELD 33 11kV S STN	Primary	11	Leading the Way	(MW) Headroom	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
132kV Chesterfield	& 2) Annesley (1	FARNSFIELD 33 11kV S STN	Primary	11	Steady Progression System	(MW) Headroom	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
132kV	& 2)	FARNSFIELD 33 11kV S STN	Primary	11	Transformation	(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	'				System	Headroom														
132kV Chesterfield	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	Transformation	(MW) Headroom	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
132kV Chesterfield	Clipstone	BILSTHORPE 33 11kV S STN	Primary	11	WPD Best View Consumer	(MW) Headroom	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
132kV Chesterfield	Clipstone	CLIPSTONE 11kV S STN	Primary	11	Transformation	(MW) Headroom	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
132kV	Clipstone	CLIPSTONE 11kV S STN	Primary	11	Leading the Way	(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	'					Headroom														
132kV Chesterfield	Clipstone	CROWN FM 33 11kV S STN	Primary	11	Leading the Way	(MW) Headroom	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
132kV Chesterfield	Clipstone	CROWN FM 33 11kV S STN	Primary	11	Steady Progression System	(MW) Headroom	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
132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	Transformation	(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	ı	1	1	1	I	Headroom	1	1 1	i		1	ı	i	i	1	ı	1	ı	ı	
132kV	Clipstone	CROWN FM 33 11kV S STN	Primary	11	WPD Best View	(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	- C.i.potorio				Consumer	Headroom	1110111101	1010				0.0		• • • • • • • • • • • • • • • • • • • •	0.0	0.0	0.0	0.0		
132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Transformation	(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						Headroom														
132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Leading the Way	(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						Headroom														
132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Steady Progression	(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					System	Headroom														
132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	Transformation	(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			1			Headroom	l													
132kV	Clipstone	OLLERTON 33 11kV S STN	Primary	11	WPD Best View	(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	OI: 4	DUEEODD 00 441 V C OTN	D .	144	Consumer	Headroom			- 4				4.0	4.0		0.0		0.7	4.0	
132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Transformation	(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	Clinatana	DUELODD 33 4414/ C CTN	Deimon	44	Looding the Mari	Headroom	Thermod		- A			- 0	4.0	4.7	4.0	4 -	4.4	4.0	4.4	2.5
132kV Chesterfield	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Leading the Way	(MW) Headroom	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
132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Steady Progression	(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	Clipstoffe	KOLLOKO 33 LIKA 3 3 LIV	Fillinary		System	Headroom	IN/A	3.5	J. 4	3.3	5.5	5.5	5.2	5.2	3.1	3.0	4.3	4.1	4.0	4.0
132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	Transformation	(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	Olipatoric	ROTT ORD SO TIRV COTA	1 minary		Transformation	Headroom	monnai	0.0	0.4	0.0	0.0	0.2	0.1	0.0	7.7	7.0	0.0	0.1	2.7	1.0
132kV	Clipstone	RUFFORD 33 11kV S STN	Primary	11	WPD Best View	(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	G.i.potor.io				Consumer	Headroom	1110111101		.	0.0	0.2	0.0				0.0	0			
132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Transformation	(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	'					Headroom														
132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Leading the Way	(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						Headroom														
132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Steady Progression	(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					System	Headroom														
132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	Transformation	(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						Headroom														
132kV	Clipstone	THORESBY 33 11kV S STN	Primary	11	WPD Best View	(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