

Climate Emergency Strategy 2020 – 2025 – How will we measure progress?

In the Newcastle Hospitals Climate Emergency Strategy published in 2020, we detailed how we would measure our progress towards the objectives set out. Please see table below for this information.

In some cases the measurements are no longer relevant (shown in grey), have not yet been applicable (shown as N/A) or the data is not currently available (shown as not known).

Where data is currently unavailable it is our intention to establish metrics which will be reported here.

Shine Theme	How we will measure it	Metric	2019/20 baseline	2020/21	2021/22	2022/23
Energy	Total energy use	kWh (000)	278,038	268,354	284,622	245,073
	Energy use intensity	kWh/m ²	690	662	761	598
		kWh/patient contact	155	187	155	135
	Carbon emissions from energy use	tCO ₂ e	59,791	58,824	62,019	57,684
Carbon emissions from energy use intensity	KgCO ₂ e/m ²	148	145	166	141	
	KgCO ₂ e/patient contact	33	41	34	32	
Water	Total water consumption	m ³	453,306	454,061	567,449	366,082
	Water use intensity	m ³ /m ²	1	1	2	1
		m ³ /patient contact	0.25	0.32	0.31	0.20
	Carbon emissions from water use	tCO ₂ e	441	454	229	204
Carbon emissions from water use intensity	KgCO ₂ e/m ²	1.09	1.12	0.61	0.5	
	KgCO ₂ e/patient contact	0.25	0.32	0.12	0.11	
Waste	Total waste disposal	tonnes	4,918	4,647	5,293	4,961
	Waste disposal intensity	Kg/patient contact	2.75kg	3.24kg	2.88kg	2.73kg
	Volume of waste repaired and reused	tonnes	Not known	Not known	Not known	Not known
	Percentage of waste reused and recycled	%	26%	28%	29%	29%
Buildings & Land	New builds & refurbishments assessed against relevant standards (Passivhaus,	Predicted/actual scores achieved	N/A	N/A	N/A	N/A

	EnerPhit or BREEAM)					
	SDAT score for Capital Projects					
	SDAT score for Green Space and Biodiversity					
	Establish a metric to track our progress towards biodiversity enhancement	Biodiversity score for RVI	Not known	Not known	Not known	23.87 HaU
		Habitat units (HaU)				0.5 HeU
Hedgerow units (HeU)						
Biodiversity score for Freeman		Not known	Not known	24.28 HaU	25.25 HaU	
	Habitat units (HaU)			4.22 HeU	4.52 HeU	
	Hedgerow units (HeU)					
Journeys	Clean Air Hospital Framework score	%	17%	17%	17%	17%
	Health Outcomes of Travel Tool					
	Carbon emissions from transport	tCO ₂ e	40,379	30,374	33,284	31,858
	Staff travel survey	Modal split for commute type Active:Sustainable:Car	07:42:50	27:27:46	24:25:50	14:39:47
	Patient & visitor travel survey	Modal split for journey to site type	Not known	Not known	Not known	Not known
	Air quality on and adjacent to our sites	Number of times WHO limit exceeded NOx PM10 OM2.5	Not known	Not known	Not known	Still collecting data
	Secure on-site cycling parking spaces vs vehicle parking spaces	Number and ratio	Not known	Not known	Not known	Still collecting data
	Staff using cycle to work scheme	Total	123	181	148	116
	Staff using discounted public transport passes	Total	2,395	1,578	1,849	2,267

	Hours of virtual internal meetings undertaken					
	Number of remote (tel/vid) patient consultations delivered - and patient travel miles avoided	Total number and travel miles & CO ₂ avoided	Not known	Not known	Not known	Not known
Procurement	Carbon emissions from procurement	tCO ₂ e	149,461	170,709	204,060	156,007
	Carbon emission intensity from procurement	kgCO ₂ e/GB£ spent	0.34	0.33	0.34	0.27
	SDAT score for cross cutting theme Procurement and Supply Chain					
	Spend on consumables	GB£/patient contact	246.12	364.72	326.01	322.53
	Soil Association Food for Life Award assessment	Bronze/Silver/Gold	None	None	None	
Care	Carbon emissions from anaesthetic gases	tCO ₂ e	4,335	3,345	3,360	2,129
	Carbon emissions from inhaler prescribing	tCO ₂ e	1,398	902	1,330	1,340
	Percentage of QI projects with positive sustainability impacts	%	Not known	Not known	Not known	Not known
	SDAT score for Sustainable Care Models					
	SDAT score for Adaptation					
People	SDAT score for Our People					

	Number of leaders completing sustainability training		0	0	14	16
	Number of staff completing sustainability training		0	9	7	11
	Percentage of staff aware of Shine (staff survey)	%	74%	74%	74%	78%
	No. of projects funded through the CEAF		0	5	5	10
	No. of Green Champions		300	300	328	387
	No. of sustainability projects completed by staff		Not known	Not known	Not known	Not known
	No. of followers on Twitter	No. of followers at beginning of each year (1st Apr)	564	911	1,217	1,398