

Climate and Ecological Change Strategy: Performance in 2022/23

Headlines

- 2022/23 is the second year of judgement against 2030 goal delivery. 2030 performance will be judged against 2019/20 baseline. 2020/21 data is provided for completion and for interest to see the impact of COVID-19 on this area of the Council's work.
- **Net Carbon Zero:** Indicator for Net Carbon Zero (total carbon tonnage emitted minus total carbon tonnage sequestered) is 'Priority for Improvement' for 2022/23. Our Net Carbon has reduced from baseline year (-8.3%) and by -1.6% from 2021/22. Whilst we are going in the right direction it is not currently at the pace which indicates sufficient progress is being made to meet 2030 goal of net zero. Thus the status has moved from "Good" to "Priority for Improvement" for 2022/23. There are differences of carbon emission reduction or increase in the indicators that make up the Net Carbon Zero Indicator figure. This breakdown is outlined in the table below.
- **Ecologically Positive:** Indicators for Ecologically Positive (Percentage of DCC owned and operated land in highest and lowest categories of species richness) are 'Acceptable' for 2022/23. The species richness of DCC owned and operated land has increased by +12% from the baseline year and +3.5% from previous year accounting for the increase of broadleaf woodland and wildflower meadows. This represents "Acceptable" progress in meeting the Council's Ecologically Positive 2030 goals.
- **Supply chain target:** Indicator for Supply Chain target (Total carbon tonnage emitted (corporately) through supply chains) is 'priority for improvement' for 2022/23. Supply chain carbon emissions have risen +46.9% from the baseline year and by +24.9% from 2021/22, as spending (£) with the supply chain increased +51.3% from the baseline year and +16.3% from 2021/22. To note: supply chain has a target of 35% reduction on carbon emissions by 2030; it is not part of the Net Carbon Zero target. Due to current methodology, reductions of supply

chain emissions are difficult to accurately quantify and significant change in performance in the data is likely only to come with improved emissions calculation.

Net Carbon Zero Council by 2030 Detailed Performance

Our goal is for the total carbon emitted by the Council minus the total carbon absorbed from Council owned/leased and managed land to equal zero by 31 March 2030. The following sources of emissions will count towards our net carbon zero goal (accuracy of measurements included):

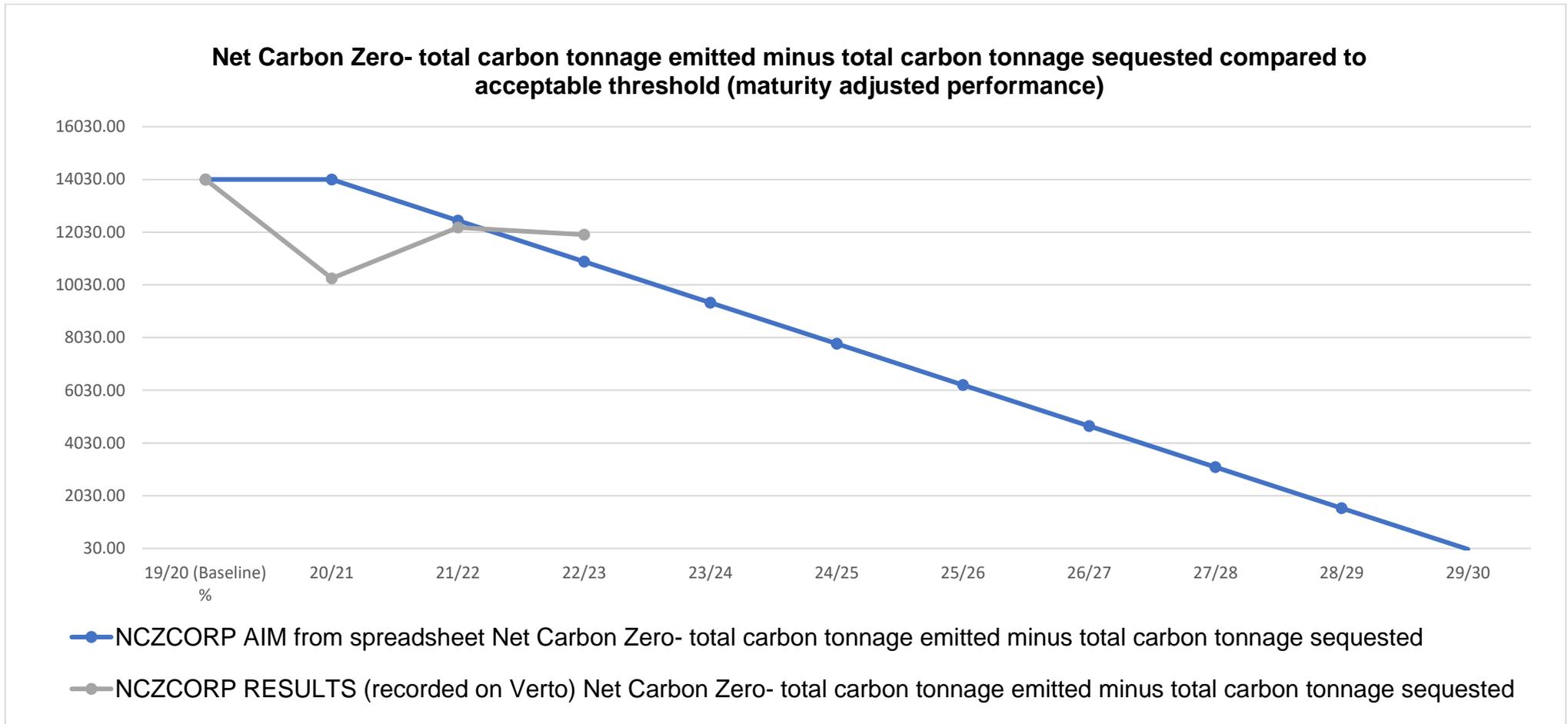
- Buildings (accuracy of measurement +/-2%)
- Waste generated in operations (+/-5% to +/-10%)
- Fleet (accuracy of measurement +/-5%)
- Staff commuting (accuracy of measurement +/-25%)
- Street lighting (accuracy of measurement +/-2%)
- Business travel (accuracy of measurement +/-5%)

The following sources of carbon absorption will count towards our net carbon zero goal:

- Grassland the Council owns/leases and manages
- Forest / woodland the Council owns/leases and manages

The carbon absorption rate for forest / woodland reaches maturity after 20 years. Absorption maturity adjusted performance is presented including the Council's Net Carbon Zero position taking this into account. It has been agreed that maturity adjusted performance only for carbon absorption figures will be reported going forward which provides a more reflective measure for the carbon absorption capacity the Council is creating from its woodland creation work for the long term.

There was an error in the supply chain, staff commuting data, business travel data and street lighting data for 2021/22 which has been corrected for 2022/23 reporting and performance data updated on Verto.



Indicator Title	19/20 Baseline (tonnes)	20/21 Performance (tonnes)	21/22 Performance (tonnes)	22/23 Performance (tonnes)	% carbon reduction/ increase 22/23 compared to previous year 21/22	% carbon reduction/ increase 22/23 compared to baseline 19/20	2030 target (tonnes)	% carbon reduction/ increase target from baseline by 2030	Status (Veru) for comparison to baseline
Total carbon tonnage emitted (Corporately) for the Net Carbon Zero goal	16,448	12,642	15,340	15,090	-1.6%	-8.3%	7,329	- 55 %	Priority for Improvement
BUILDINGS CO2 "Total carbon tonnage emitted (Corporately) through buildings"	10,151	7,894	9,167	9,082	-1%	-11%	4,060	- 60 %	Priority for Improvement
FLEET CO2 "Total carbon tonnage emitted (Corporately) through fleet"	2,693	2,086	2,699	2,302	-15%	-15%	1,077	- 60%	Acceptable
WASTE CO2 "Total carbon tonnage emitted (Corporately) through waste"	418	208	219	177	-19%	-58%	209	- 50 %	Excellent
STAFF COMMUTING CO2 "Total carbon tonnage emitted (Corporately) through staff commuting"	1,848	1,719	2,511	2,860	+14%	+55%	1,478	- 20 %	Priority for Improvement

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STREET LIGHTING CO2 "Total carbon tonnage emitted (Corporately) through street lighting"	788	610	522	419	-20%	-47%	394	- 50 %	Excellent
BUSINESS TRAVEL CO2 "Total carbon tonnage emitted (Corporately) through business travel"	550	126	222	251	+13%	-54%	110	- 80 %	Excellent
Total carbon tonnage sequestered (Corporately) for the Net Carbon Zero goal	2,418	2,365	3,135	3,158	+1%	+31%	7,329	+ 203 %	Priority for Improvement
GRASSLAND CARBON ABSORBED "Total carbon tonnage sequestered (Corporately) through grassland"	1,564	1,564.16	1,347	1,305	-3%	-17%	1,564	n/a	Priority for Improvement
FOREST LAND CARBON ABSORBED "Total carbon tonnage	854	801	1,788	1,853	+4%	+117%	5,765	+ 575 %	Priority for Improvement

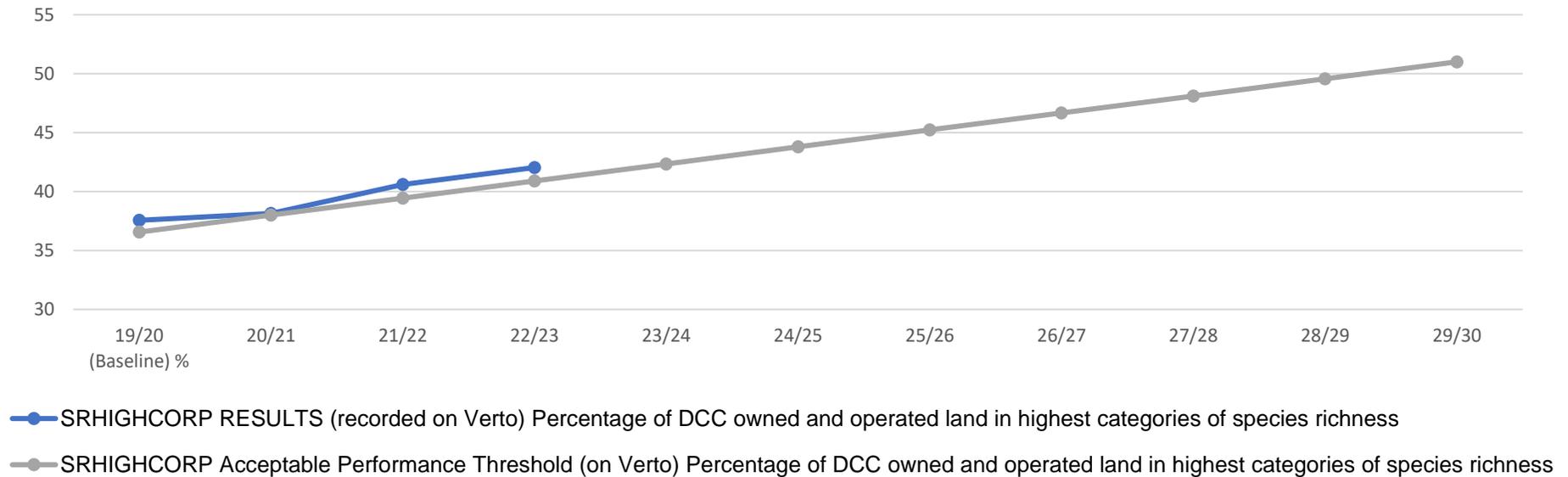
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sequestered (Corporately through forestland"									
Net Carbon Zero- total carbon tonnage emitted minus total carbon tonnage sequestered	14,030	10,277	12,205	11,932	-2.2%	-15%	0	-100%	Priority for Improvement

Ecologically Positive Council by 2030

To achieve our Ecologically Positive goal, the Council needs to increase the percentage of our owned and operated land that has a higher species richness. This can be achieved by restoring and changing how we manage land that we currently own and operate to increase species diversity, and by increasing the land ownership therefore creating new spaces (ecological niches) for nature.

The Council's percentage of owned and operated land in the lowest categories of species richness should be lower than the percentage of Council owned and operated land is in the highest categories of species richness for the Council to achieve its Ecologically Positive goal.

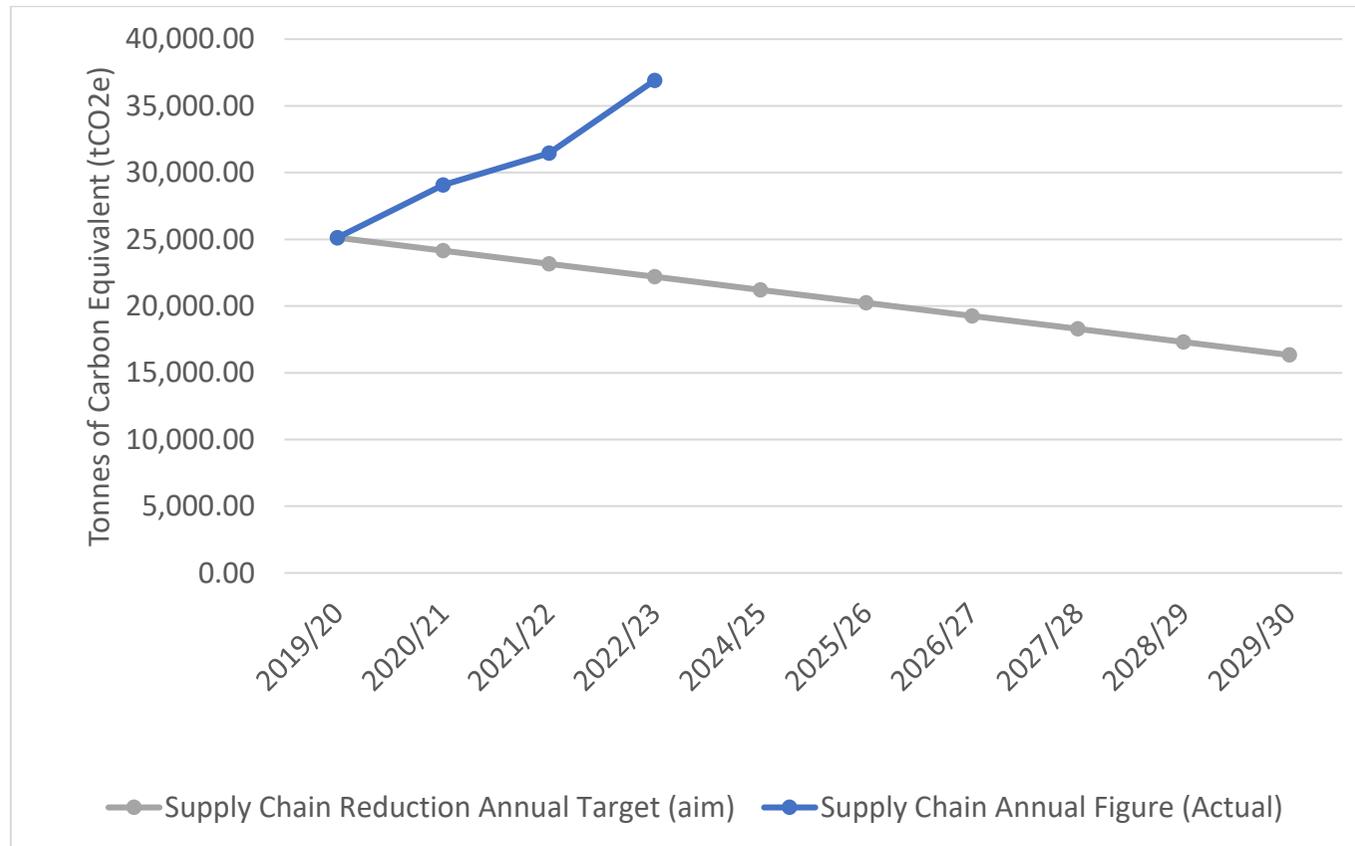
Percentage land in high species richness compared to acceptable threshold



Indicator Title	2019/20 (Baseline) %	2020/21 Performance %	21/22 Performance %	22/23 Performance %	% change from previous year (21/22)	% change from base line (22/23)	2030 target %	Status (Verto) for comparison to baseline
Percentage of DCC owned and operated land in lowest categories of species richness SRLOWCORP	62.4	61.9	59.4	58.0	-2.4%	-7%	49	Acceptable
Percentage of DCC owned and operated land in highest categories of species richness SRHIGHCORP	37.6	38.1	40.6	42.0	+3.5%	+12%	51	Acceptable

Supply Chain Plus Target by 2030

The Council aims to reduce the carbon emitted from our supply chain by 35%. We will work with companies and businesses who we buy our goods and services from to reduce the carbon intensity of what we buy and how we deliver services and also to maximise on the local community benefit we can generate from those contracts.



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Total carbon tonnage emitted (Corporately) through supply chains CHCCORP	25,125	29,072	31,444	36,912	+24.9%	+46.9%	16,331	-35%	Priority for Improvement