PRP

PRP Sustainability
Carbon Reduction Plan 2018 - 2030

Since its establishment over 60 years ago, PRP has placed environmental performance, cost-efficient delivery and social well-being at the heart of the developments and buildings we design.

We continually strive to improve the design quality and the sustainability performance of our projects, as well as to reduce the environmental impact of our business operations.

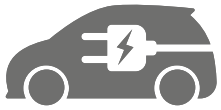
Carbon Emissions - ESOS phase 3

PRP

Scope 1: Direct Emissions

Greenhouse gas emissions from sources that are owned or controlled by the entity (direct emissions) e.g. Combustion in owned or controlled boilers, vehicles etc.

Direct emissions include ‘fugitive emissions’ such as leaks from air conditioning (heat pump) refrigerant. In practice this is annually tested an shown to be zero



2018	2022
0 TCO_2/yr	0 TCO_2/yr

Scope 2: Indirect emissions

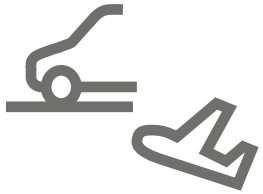
Greenhouse gas emissions from the generation of energy utilised in direct connection to the activities of a particular entity/subject but occurring at sources owned or controlled by another entity. e.g. electricity, heating, and cooling that is purchased.

For PRP this is the metered electricity for the studio and for the London Studio this is the heating and cooling from the Citigen system.

154 TCO_2/yr	
	112 TCO_2/yr

Scope 3: other indirect emissions that occur in a company's value chain

Greenhouse gas emissions that are a consequence of the activities of an entity/subject but occur at sources owned or controlled by another entity and which are not classified as Scope 2 emissions.



Not reported	14 TCO_2/yr

Reduction Plan - 2018-2022

The following environmental management measures and projects have been completed or implemented since the 2018 baseline. The carbon emission reduction achieved by these schemes equate to 41.6 tCO_2e, a 27% reduction against the 2018 baseline and the measures will be in effect when performing the contract:

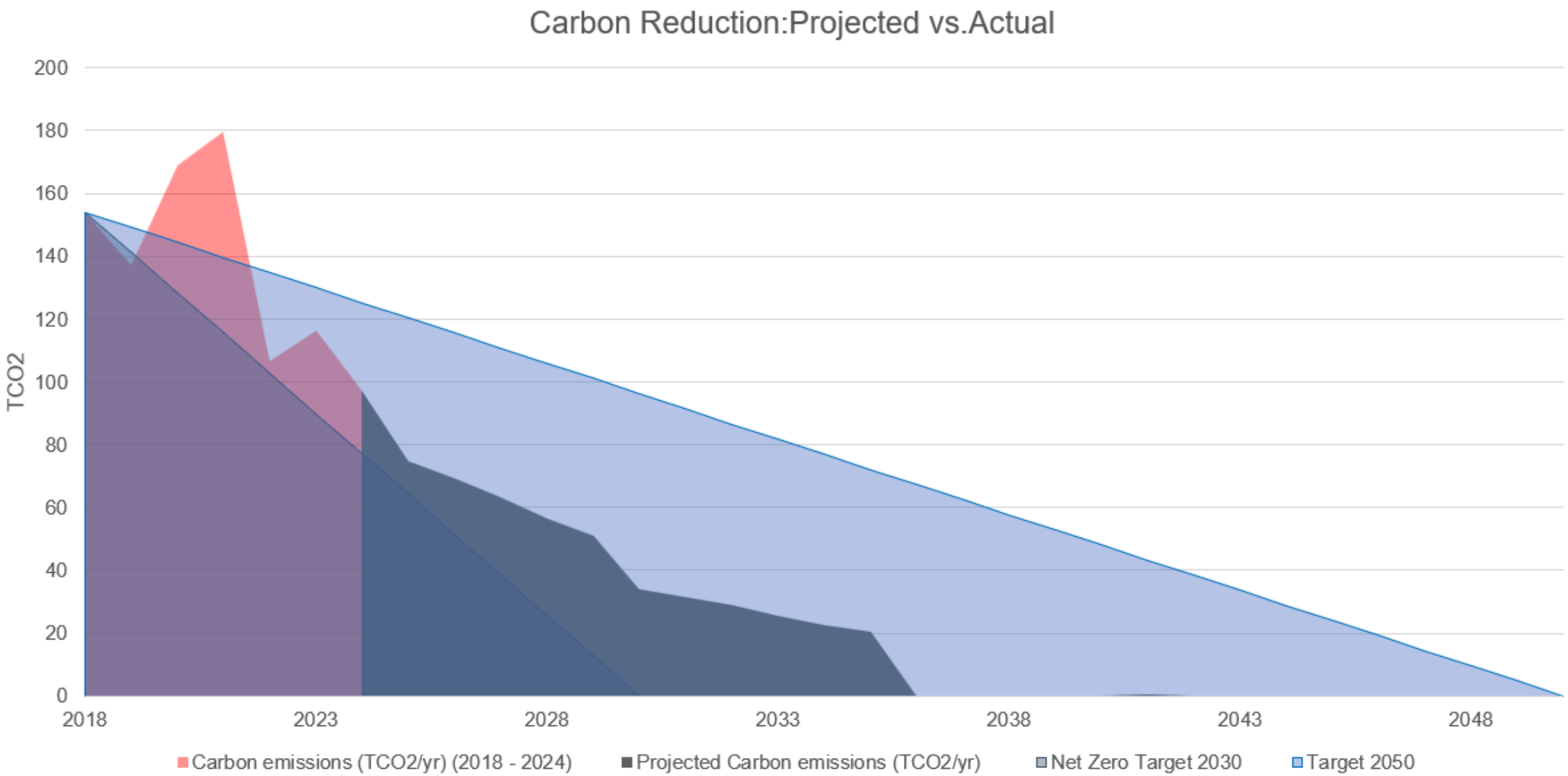
- the adoption of LED/PIR lighting controls
- changes to policy resulting in a reduction in company travel and flights (Implemented 2019)
- changes to purchasing policy resulting in a reduction in office equipment energy consumption (Implemented 2019)
- Projects and changes that affect energy and carbon that are not directly implemented specifically to reduce emissions
- Closing the Surrey office and relocation of Later Living to the London studio
    - Increasing staff occupancy density
    - Eliminating carbon emissions from the Surrey office
- Relocating the Manchester office
    - More energy efficient office location chosen

Reduction Plan - 2022-2027

The following environmental management measures and projects have been completed or implemented during the period 2022 – 2027, or in the future we intend to implement further measures such as:

- Further roll-out the adoption of LED/PIR lighting controls
- Continuous review and optimisation of policy resulting in a reduction in company travel and flights
- Survey and review of commuting travel and dissemination of a targeted policy to encourage low carbon travel.
- Optimising PC settings to reduce energy consumption (e.g.) PC Sleep modes (Implemented 2024)
- PC monitoring software to identify opportunities to further reduce energy consumption

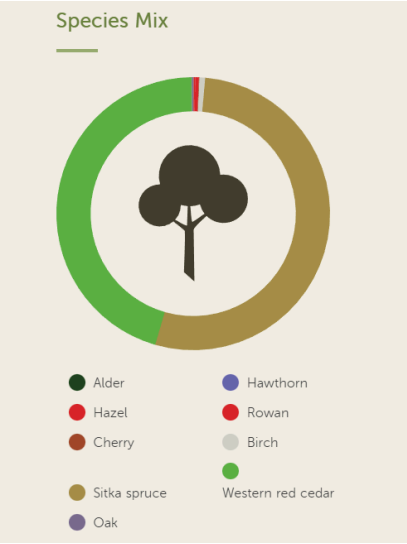
We project that carbon emissions will decrease over this period by 43 tCO2e. This is a reduction of 41%


Carbon Reduction:Projected vs.Actual
200
180
160
140
120
100
80
60
40
20
0
TCO2
2018
2023
2028
2033
2038
2043
2048
Carbon emissions (TCO2/yr) (2018 - 2024)
Projected Carbon emissions (TCO2/yr)
Net Zero Target 2030
Target 2050

Carbon offset strategy

Our carbon is offset through Forest Carbon, who's planting projects are audited through the Woodland Carbon Code. Our projects consist of a mix of native broadleaf and conifer woodland to promote the preservation of natural habitat and the sustainable timber industry.

Lowther



5,383 Trees

4.09 hectares

Spring 2018

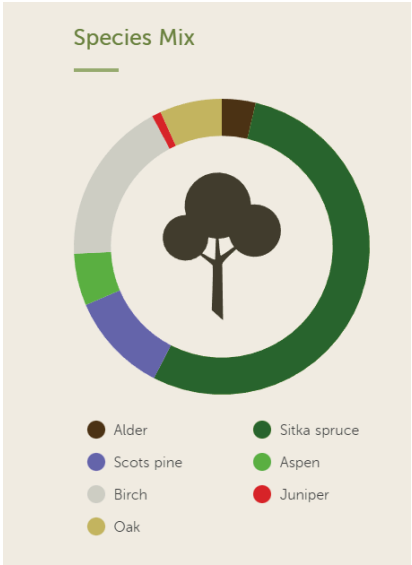
1,514 Tonnes CO_2

Wildlife

Productive

Flood Protection

Doddington



18,211 Trees

9.16 hectares

Spring 2020

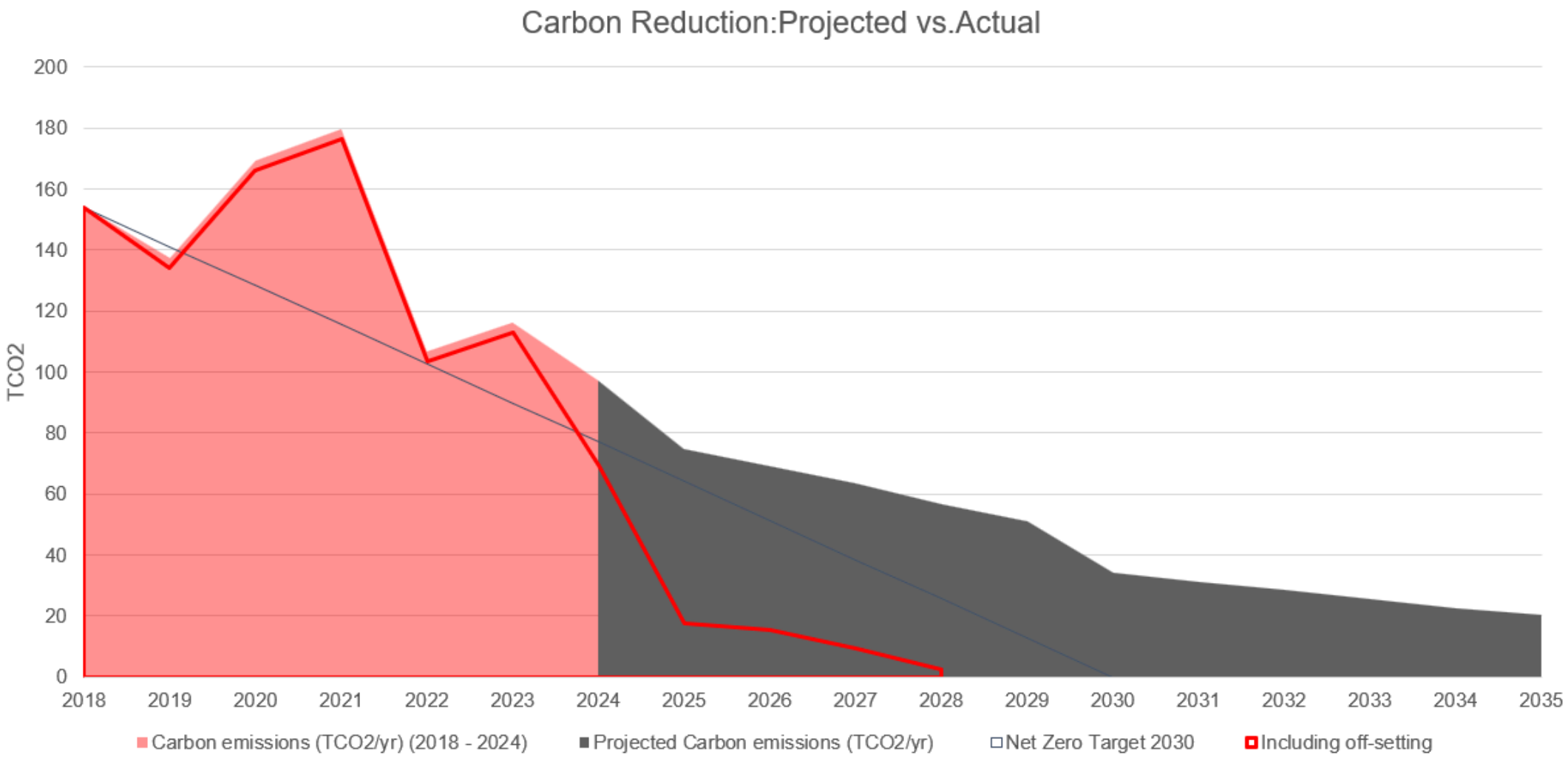
2,486 Tonnes CO_2

Wildlife

Productive

Community

Information about PRP's plots can be found on the Forest Carbon website: https://www.forestcarbon.co.uk/our-partners/prp/lowther-5


Carbon Reduction:Projected vs.Actual
TCO2
200
180
160
140
120
100
80
60
40
20
0
2018
2019
2020
2021
2022
2023
2024
2025
2026
2027
2028
2029
2030
2031
2032
2033
2034
2035
Carbon emissions (TCO2/yr) (2018 - 2024)
Projected Carbon emissions (TCO2/yr)
Net Zero Target 2030
Including off-setting

PRP