

Carbon capture impact of proposed tree work in Waterlow Park

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This document is an attempt to quantify the carbon impact of the proposal for a significant height reduction of a lime to open a new viewpoint of St Paul's Cathedral and to enhance the view of the London skyline more generally.

Trees in the park are surveyed and carbon capture assessed. Assuming a 50% reduction for the lime following works of the kind suggested in proposal 1 the figures from the survey would be halved. Such a reduction is equivalent to emissions from a typical 44 Km car journey.

Here are the figures for the lime in the context of the park:

	Carbon Storage per annum in kg	Pollution removal per annum in kg
Overall impact on environment:		
Current Waterlow Park total*	7,535.9	204,612.9
Lime Tree (sequence no 568)	11.5	288.4
% contribution of lime to total	0.15%	0.14%
Impact of proposed works:		
% of original park total remaining **	99.91%	99.93%
% reduction from lime tree due to work	-0.08%	-0.07%

*It should be noted that the surveyed trees do not represent the full carbon capture and sequestration of the Park as there are many bushes and other plants which all also play a part.

**Trees increase their capacity as they mature. However some trees are typically removed each year due to disease, storm damage or other identified risks. The tree planting program ensures that new trees are introduced to make up for those that are lost. Juvenile trees rather than saplings are planted so that growth proceeds as speedily as possible. Planting choices also consider resistance to climate change.