

Appendix 3 Cool Streets and Greening Programme Scheme Progress

November 2022

The Cool Streets and Greening programme is an integral part of building climate resilience across the City Corporation's public spaces under the Climate Action Strategy (CAS). The programme will deliver a range of capital projects in order to further the following goals, as approved under Gateway 1 of the CAS:

- Sustainable rain and surface water management policies and implementation
- Increase the quality and provision of green space and coverage in the Square Mile and wider City Corporation spaces
- Introduce climate resistant and adaptive landscaping in planned work

Capital projects under the Cool Streets and Greening programme are being delivered in four phases. The overall budget for this programme is £6.8M which is funded through the Climate Action Strategy. The progress of each phase and the projects within these phases are outlined below along with a breakdown of total estimated costs for each phase.

Preliminary Planning

Programme development began in April 2021 with a budget of £320K which is being used for programme framework development, Climate Resilience Measures and Planting catalogues, smart sensor installation across the City, opportunity mapping and site identification and prioritisation.

Total estimated cost for preliminary planning £320K
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Phase 1

Under Phase 1, existing capital projects were identified and additional capital funding provided for the inclusion of climate resilience measures, where these may not have been previously included. The most suitable sites were identified through a prioritisation exercise, taking into account the date of commencement, area of the site, potential for resilience measures and/or additional environmental benefits, and cost.

Site	Measures Included	Gateway approval	Progress
Vine Street	Avenue tree planting	G5	Completed March 2022
Riverside Planters, City of London School	Climate resilient landscaping (drought tolerant planting)	G5	Completed May 2022
Bevis Marks/Dukes Place	Sustainable drainage (rain gardens and geocellular storage), tree planting	G5	Works underway October 2022
Cheapside Sunken Garden	Sustainable drainage (permeable paving) and replanting	G5	Works to commence November 2022

Jubilee Gardens	Tree planting, green wall, climate resilient planting and relandscaping	G4	Detailed design complete – pending Capital Projects Review. Gateway 5 due January 2023
Pedestrian Priority Sites	Climate resilient planting – 4 sites	G5	Temporary measures completed 2021. Permanent trial site being developed (City Cluster) October 2022
Total estimated cost for Phase 1 sites: £815K			

Phase 2

Phase 2 sites were identified and prioritised using a similar approach to Phase 1, although in most cases these projects were at an earlier stage of design. Consequently, a more holistic approach to integrating climate resilience measures was possible through inclusion at an earlier design stage.

Site	Measures Included	Gateway approval	Progress
Bank	Tree planting, sustainable drainage (rain gardens)	G5	Works commenced October 2022
Little Trinity Lane	Hedge planting, climate resilient planting	G4	Detailed design in development
Crescent	Tree planting, climate resilient planting, sustainable drainage (rain gardens and attenuation boards)	G4	Detailed design in development
Moor Lane	Tree and hedge planting, sustainable drainage (proposed)	G4	Detailed design in development – below ground constraints affecting scope
Finsbury Circus (monitoring only)	Monitoring only (of wider works proposals)	G5 monitoring	On hold – pending Capital Projects Review
Barbican Podium Phase 2 (monitoring only)	Monitoring only (of wider works proposals)	G5 monitoring	In progress – monitoring carried out by Atkins
Total estimated cost for Phase 2 sites: £720K			

Phase 3 City Greening & Biodiversity

Further phases of the programme aim to identify new project sites using a more strategic approach, rather than intervening in projects previously underway. Phase 3 of the programme will work with the Policy and Projects team under *City Greening and Biodiversity* to improve tree planting, replanting for climate resilience and relandscaping of new sites focused along three strategic green corridors. These corridors have been identified to improve connectivity between the City's Sites of Importance for Nature Conservation (SINCs) and areas close to them, as well as providing routes

across the City for pedestrians and cyclists with increased shade/canopy cover. These routes are illustrated in *Figure 1*.

Individual sites along this route were prioritised by considering a range of parameters, including proximity to SINC, presence of Biodiversity Action Plan target species and habitats, air quality, thermal comfort and pedestrian flows. Under Phase 3, tree planting and replanting for climate resilience will also be accelerated at areas across the City both within and outside of the green corridors.

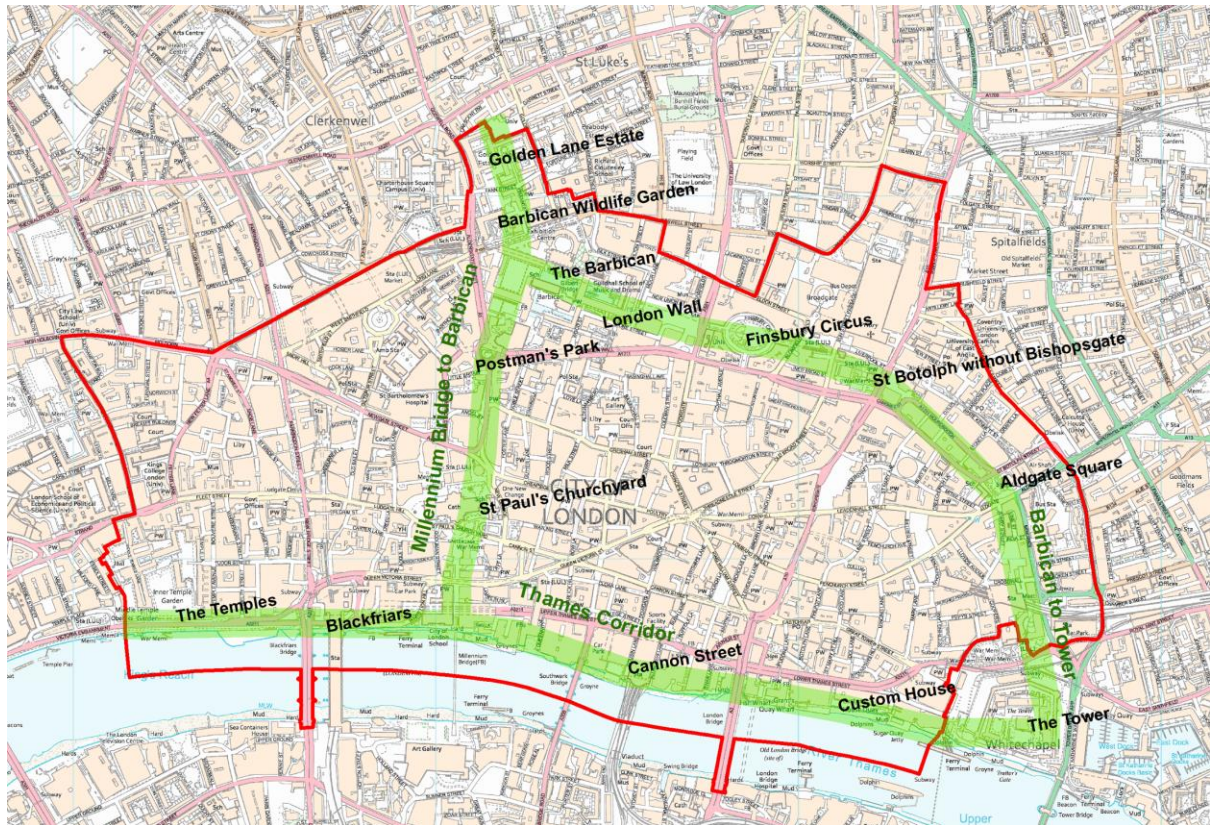


Figure 1: Indicative cool routes and biodiversity corridors through the City

Tree planting

An accelerated programme of tree planting is proposed under the *City Greening and Biodiversity* project. Potential locations for tree planting were identified through site visits and are being progressed through trial holes and ground radar surveys across the City. A number of priority areas within the green corridors have been identified for new tree planting, as outlined below. This programme will be delivered through the City Gardens team as resource becomes available following success of site surveys.

Location	Gateway approval*	Green corridors
London Wall/All Hallows	G2	Barbican to Tower
Houndsditch	G2	Barbican to Tower
Jewry Street/Fenchurch Street	G2	Barbican to Tower
Eastcheap/Great Tower Street	G2	SINC between two routes
Queen Victoria Street	G2	Millennium Bridge to Barbican
King Edward Street	G2	Millennium Bridge to Barbican

Rotunda/Aldersgate Street	G2	Millennium Bridge to Barbican
Total estimated cost of tree planting programme: £800K		

* New site search approved at Gateway 4. Gateway 5 report due Nov 2022.

Replanting for resilience - A number of sites managed by City Gardens have been identified along the green corridors as priority sites for replacement planting. Replanting schemes will respond to site-relevant priorities (climate adaptive planting, planting for biodiversity benefit, etc. depending on priority of each site).

Site	Gateway approval*	Green corridor
All Hallows on the Wall	G2	Barbican to Tower
St Dunstan's Hill	G2	SINC between two routes
St Dunstan's Churchyard	G2	SINC between two routes
Queen St Place/Upper Thames Street	G2	Thames Corridor
Whittington Gardens	G2	Thames Corridor
Angel Lane	G2	Thames Corridor
London Bridge/Riverside/St Magnus Church	G2	Thames Corridor
Riverside Terrace	G2	Thames Corridor
Grants Quay Wharf	G2	Thames Corridor
St Anne and St Agnes Churchyard	G2	Millennium Bridge to Barbican (SINC)
St Olave Silver Street	G2	Millennium Bridge to Barbican (SINC link)
John Carpenter Street	G2	Thames Corridor
Plough Place	G2	Not on route
Total estimated cost of replanting for resilience: £400K		

* New site search approved at Gateway 4. Gateway 5 reports due Nov 2022/ Jan 2023

Relandscaping

Additional sites have been identified where more detailed proposals will be brought forward to introduce new climate resilience measures, with a focus on the strategic green corridors and biodiversity improvements within them.

Site	Gateway approval	Green corridor
London Wall/Moorgate	G2*	Barbican to Tower
Finsbury Circus W Arm	G2*	Barbican to Tower
Fann Street	G2*	Millennium Bridge to Barbican
St Peter Westcheap	G2*	Millennium Bridge to Barbican
Fetter Lane	G2*	Not on route
Total estimated cost of Phase 3 relandscaping sites: £1.3M		

*New site search approved at Gateway 4. Gateway 5 report due Jan 2023

Total Estimated cost of Phase 3 City Greening & Biodiversity: £2.5M

Phase 4 SuDS for Climate Resilience

Phase 4 of the programme has begun to identify a number of sites with potential for sustainable drainage systems (SuDS) and will be termed *SuDS for Climate Resilience*. These are located in areas at lower risk of surface water flooding, but in proximity to trunk sewers, where SuDS are more effective during periods of heavy rain. This will result in improvements to water quality and attenuation of runoff entering the sewer network. Where SuDS sites are also located in a strategic green corridor, schemes with greening elements such as rain gardens and swales will be prioritised over measures such as geocellular attenuation and permeable paving.

Site	Gateway approval	Green corridor
St Andrew Undershaft	*	Not on route
Tooks Court	*	Not on route
Lambeth Hill	*	Thames Corridor
Riverside/Swan Lane	*	Thames Corridor
Bread Street	*	Not on route
Ludgate Broadway	*	Not on route
St Martins-le-Grand	*	Millennium Bridge to Barbican
Knightrider Court	+	Millennium Bridge to Barbican
Godliman Street	*	Millennium Bridge to Barbican
Houndsditch	*	Barbican to Tower
Total estimated cost of Phase 4 SuDS for Climate Resilience: £2.4M		

*New site search approved at Gateway 4. Gateway 5 report due early 2023

Sites not included in Cool Streets and Greening programme

Some additional sites were identified during the prioritisation exercise and subsequent site visits with potential for strategic climate resilience interventions. However, these sites have alternative sources of funding and will be progressed outside of the Cool Streets and Greening programme. This approach will be adopted as business as usual for future sites.

Site	Reason
St Mary at Hill	S106 funding for this site
Temple Avenue	Landowner funding for this site