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| **Appendix Table I. Inventory of circular built environment policies** | | |
| **Objectives** | **Instruments** | **References** |
| 1. To reduce the intake of primary resources | * 1. Sample public and private buildings in London to estimate levels of underutilisation. | Circular Economy Route Map |
|  | * 1. An adequate supply of aggregates to support construction in London will be achieved by encouraging reuse and recycling of C&DW, extracting land-won aggregates within London, and importing aggregates by sustainable transport modes. |  |
| 1. To substitute unsustainably-sourced resources by sustainably produced ones. | * 1. Reduce environmental impact of aggregate sites and facilities development proposals. | The London Plan |
|  | * 1. Identify mineral safeguarding areas to protect sand and gravel resources from exhaustion. | The London Plan |
| 1. To develop new design and production processes to promote new ways of consumption. | * 1. Incorporate circular economy principles into public new build, refit and infrastructure. | Circular Economy Route Map |
|  | * 1. Funding for circular built environment demonstration project. | Circular Economy Route Map |
|  | * 1. Design guidelines to eliminate waste and for ease of building maintenance through long-life and loose fit and design for disassembly. | Design for a Circular Economy Primer |
| 1. To reuse secondary resources (waste flows) | * 1. Research current and former mechanisms for reuse of surplus and reclaimed construction materials. | Circular Economy Route Map |
|  | * 1. Research the implications of a reuse target for built environment projects in London. | Circular Economy Route Map |
|  | * 1. Resource conservation, waste reduction, increased material reuse and recycling, and reduction of waste will be achieved by the Mayor, waste authorities and industry. | The London Plan |
|  | * 1. Conserve resources, increase efficiency and source building material ethically to minimise material, energy, water and land use. | Design for a Circular Economy Primer |
| 1. Waste reduction | * 1. Waste is sustainably managed entirely in London, waste management sites are safeguarded, treatment capacity optimised, and environmental, social, and economic benefits of waste and secondary materials are created. | The London Plan |
|  | * 1. Manage waste sustainably and at the highest value through deconstruction, demolition and excavation operations. | Design for a Circular Economy Primer |
| 1. Evaluation and Monitoring | * 1. Promote circular economy technologies (e.g. BIM). | Circular Economy Route Map |
|  | * 1. Incorporate learning from ongoing projects. | Circular Economy Route Map |
| 1. Market development for secondary resources | * 1. Business support for built environment projects. | Circular Economy Route Map |
|  | * 1. Investigate opportunities for an accelerator/incubator programme. | Circular Economy Route Map |
|  | * 1. Seek opportunities to invest in circular building opportunities. | Circular Economy Route Map |
|  | * 1. Working group to make recommendations on developing secondary resource markets. | Circular Economy Route Map |
|  | * 1. Innovate and pilot circular business models. | Circular Economy Route Map |
|  | * 1. Develop a directory of circular economy products and services in London. | LWARB Business Plan |
|  | * 1. Budget for corporate engagement in the circular economy transition. | LWARB Business Plan |
| 1. Policy, legislation, and regulation | * 1. Incorporate circular economy principles into the London Plan and guidance documents. | Circular Economy Route Map |
|  | * 1. Lobby for reduction of VAT for refit to be in line with zero VAT for new build. | Circular Economy Route Map |
|  | * 1. Business Plan to set a more commercial approach to paid-for and fee services. | LWARB Business Plan |
|  | * 1. Green infrastructure strategies should be created by Boroughs. | The London Plan |
|  | * 1. Development Plans should use green infrastructure strategies to identify assets and opportunities to address environmental and social challenges through greening. | The London Plan |
|  | * 1. Development Plans should assess all open space to inform policy and the creation of new areas. | The London Plan |
|  | * 1. Boroughs should develop an Urban Greening Factor to identify the appropriate amount of greening in new developments. They should be based on GLA factors and scores. | The London Plan |
|  | * 1. In Development Plans, boroughs should protect existing allotments and encourage space for urban agriculture. | The London Plan |
|  | * 1. Referable applications should promote circular economy outcomes and aim to be net zero-waste in new developments. A Circular Economy Statement should be submitted. | The London Plan |
|  | * 1. Development Plans should identify waste needs, how it will be reduced, and allocate sufficient sites for this purpose. | The London Plan |
|  | * 1. Development proposal for material and waste management sites are encouraged. | The London Plan |
|  | * 1. Development Plans should make provisions to maintain landbanks, ensure sufficient capacity of aggregates depots, support the production of recycled/secondary aggregates. | The London Plan |
| 1. Knowledge, innovation and awareness | * 1. Introduce circular economy thinking in higher education. | Circular Economy Route Map |
|  | * 1. Conduct scoping study on the potential to implement circular economy in London. | Circular Economy Route Map |
|  | * 1. Conduct a material resource requirements study of major infrastructure. | Circular Economy Route Map |
|  | * 1. Work together with construction and demolition companies to identify circular economy opportunities. | Circular Economy Route Map |
|  | * 1. Research and demonstrate circular economy opportunities in ‘meanwhile’ spaces in the city. | Circular Economy Route Map |
|  | * 1. Research, innovation and demonstration of circular economy solutions. | LWARB Business Plan |
|  | * 1. Annual Circular Economy Week event. | LWARB Business Plan |
|  | * 1. Support SMEs wishing to transition to a circular economy through Advance London. | LWARB Business Plan |
| 1. Ecosystem preservation and urban greening | * 1. Protection of green and open space and green features in the built environment. | The London Plan |
|  | * 1. London’s Green Belt should be protected from inappropriate development. | The London Plan |
|  | * 1. Metropolitan Open Land has same status as Green Belt and should be extended when possible. | The London Plan |
|  | * 1. Developments should not results in loss of protected open space. | The London Plan |
|  | * 1. Major development proposals should contribute to the greening of London, including: high-quality landscaping (including trees), green roofs, green walls, and nature-based sustainable drainage. | The London Plan |
|  | * 1. London’s urban forests and woodlands should be protected, maintained and increased. |  |
| 1. Adaptation | * 1. Funding for behaviour change through the London Recycles programme. | LWARB Business Plan |
| 1. Capacity building | * 1. Workshops for public and private actors to embed circular economy in refit and new build and infrastructure. | Circular Economy Route Map |
|  | * 1. For a network of facilities and office managers to implement circular economy principles in running their buildings. | Circular Economy Route Map |
|  | * 1. Advice and support for local authorities in delivering services. | LWARB Business Plan |
|  | * 1. Capacity building and upskilling through the sharing on Resource London research, innovation, and demonstration outputs to public authorities. | LWARB Business Plan |
|  | * 1. Capacity building through low cost, professional training to local authorities’ employees. | LWARB Business Plan |
| 1. Acceleration of circular economy | * 1. Research (CIRCUIT, Horizon 2020) for piloting smart, eco-friendly, regenerative, and circular practices in the built environment. | LWARB Business Plan |