



London Borough of Barking and Dagenham

Case Study



Background

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- Located in the heart of the Thames Gateway. Over 4,500 staff who deliver services to over 165,000 residents.
- Huge transformation of the borough is underway:
 - Creation of environmentally distinct neighbourhoods and green spaces
 - Supported by “One Barking and Dagenham”: Council’s programme to deliver excellent services to customers
- Brief description of MGPC background



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Sustainable Procurement

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- Spend on design and construction in 2007: £37 million.

This investment required that environmental sustainability principles to be adopted at the construction and demolition stages.



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Sustainable Procurement: Features

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- Roof replacement programmes
- Parks and Green Spaces Strategy
 - Sets out a framework for improvement by 2020
 - Project specifications: green roofs, wind turbines, reuse of grey water and demolition materials, increase in planting and biodiversity
- Highways
 - Used timber bollards from sustainable source in place of concrete
 - Used 6,500 tonnes of recycled asphalt



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Sustainable Procurement: Features (cont)



- New plastics recycling site will convert 35,000 tonnes of packaging waste back into new food packaging
- New development (25,000 residents):
 - Carbon reduction target 30% higher than current regulation
 - 40% of the site to be open space with biodiversity site
 - 15% recycled content to be used in construction materials
 - Max target of 30L water usage per bed space
 - Educational and environmental resources centre
- Town centre chosen by the Mayor of London as an energy action area showcasing sustainable energy technologies



Implementation

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- B&D's housing department helped to develop closer relationships with contractors to reduce waste and improve efficiency
- Sustainable Construction Guide: developed in collaboration with the housing framework contractors
- Strategic environmental appraisal carried out systematically.
- Working groups: staff and representatives from the 6 framework contractors



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Policy



- Sustainable Construction Guide:
 - Sustainable design and construction
 - Use of sustainable materials and products
 - Waste minimisation
 - Energy and carbon management
- Specific targets:
 - 20% of materials should be of recycled content
 - If reuse is not possible, 60% of timber must come from a FSC source



Communicating with stakeholders

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- Working groups established to allow regular meetings between all stakeholders
- Requirements for constructors:
 - Nine points checklist
 - Detailed briefs relevant to the project
 - Completion of a matrix showing opportunities for sustainable construction and relevance to the project



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Business benefits



- Benefits of the collaborative approach: acknowledgement of common supply chains for contractors and the shared use of suppliers
- Two locally based waste companies used by all framework contractors to remove and recycle site waste
 - Measurement of recycled/reusable materials: easier
 - Traffic movement kept to a minimum
 - Better value contracts negotiated

Results

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- British Construction Industry Award (Barking Learning Centre)
- Green Flag Award (Newlands Park & Old Dagenham Park)
- Beacon award for tackling climate change
- ISO14001 waste services and fleet



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