

Rider Levett Bucknall: Advisory Knowledge Base

ESD - SUSTAINABLE DEVELOPMENT

Environmentally Sustainable Developments are those that can continue into the future, reduce impacts on the environment and recognise a balance between environmental, economic and social factors.

The financial evaluation of ESD is best considered with interaction between all stakeholders including owners, occupiers and designers.

Sustainability initiatives address all aspects of development from the initial capital development to the implementation of operating and maintenance strategies.

DEVELOPMENT	OPERATION
Site location, building orientation, building structure, facade and roof design, architectural fabric, building services, tenant fitout.	Operations management/staff structure, CO ₂ emissions control / energy management, waste control, maintenance regimes.



Note: The bars above represent the proportion by % of both development cost and operational cost for a typical office building. The green section of the bars identify areas of Opportunity for Environmentally Sustainable Initiatives.

The Rider Levett Bucknall group promote initiatives which enhance **positive return** by the analysis of sustainable development and advice on allied services such as:

- Project Feasibility
- Cost Analysis
- Design Evaluation
- Infrastructure Evaluation
- Taxation trade offs and effectiveness
- Life cycle Costing
- Outgoings Evaluation
- Energy Audits
- Performance & Comfort Modelling

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