

**ROYAL BOTANIC GARDENS, KEW
SUSTAINABILITY STRATEGY**

Date
2003 Present

Project Status
Final Review



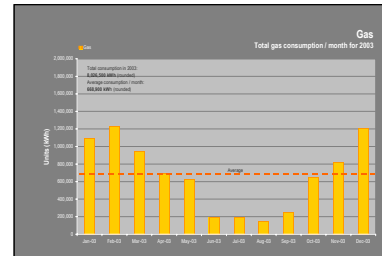
View towards the Palm house

The Royal Botanic Gardens Kew have commissioned atelier ten to develop a sustainability strategy which covers all aspects of Kew Garden's educational, research and operational facilities.

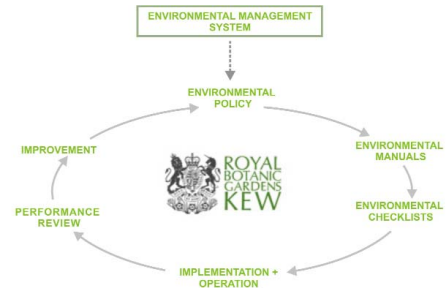
The study focuses on creating environmental concepts and setting achievable targets for the overall estate. The scope of the strategy includes improvements for environmentally conscious dealing with Water, Waste, Biodiversity, Energy, Procurement, Estate Management, Transport and Social impacts.

Reducing emissions is one of the key issues as the heating and cooling of the energy intensive buildings (e.g the Greenhouses) is responsible for Kew's relatively high energy consumption. atelier ten have undertaken an extensive energy analysis of the whole estate to recommend measures to lower greenhouse gases, one of which includes the implementation of a series of CHP (Combined Heat and Power) units.

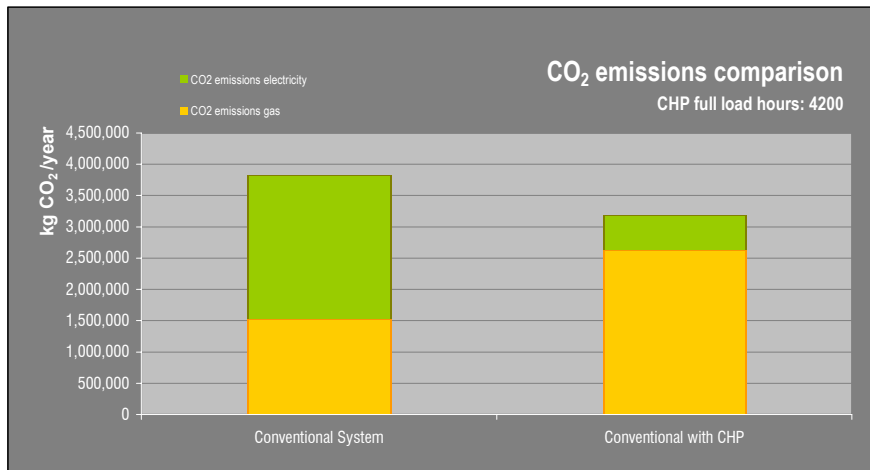
In addition atelier ten is proposing to establish a framework in the form of an Environmental Management System (EMS) to offer Kew Gardens an efficient instrument to put the sustainability strategy into practice and to monitor, reevaluate and improve its goal on an ongoing basis.



Analysis of yearly energy consumption (above)



Concept of Environmental Management System (above) and emission comparison for the current boiler system and proposed CHP system (below)



atelier ten