

Sustainable FM - Delivery and assessment strategy

Program outline

Sustainability is an issue of increasing and long-term importance to society. Whilst it is a growing issue in the facilities management sector, building users generally take a very immediate view of operations, and still tend to view facilities as a cost. With the impending introduction of national greenhouse targets and a regulatory framework for the construction and management of the built environment, sustainability in facilities management is one of the skills which will need to be embraced as core knowledge.

This program aims to introduce the concept of sustainability, place it's importance to the facilities management sector and provide participants with the tools and skills to audit, analyse and report on the use of key factors affecting sustainability and make recommendations for improvement with regard to facilities under their management.

The program will offer a recognition and articulation pathway at tertiary level for successful students and would also provide an opportunity for FMAA to recognise successful students as a 'Sustainable FM Practitioner' for continuing professional development points.

Aims

- Introduce the concept of sustainability and position it's importance to the facilities management sector.
- Provide students with the tools and skills to identify relevant operations and facilitate their measurement.
- Provide students with the skills to analyse and report on key factors affecting sustainability and identify areas for improvement with regard to the facilities under their management.
- Establish an appropriate organisational infrastructure to meet targets once they become law.

Target audience

The program caters to students from a wide variety of organisational, professional and personal backgrounds. Students will generally be experienced facilities managers or supervisors familiar with the roles and responsibilities of their positions and wishing to improve their understanding of sustainability and the role of the facilities manager in managing for sustainability.

Learning objectives

The goal of the program will be to enable participants to operate buildings in the most sustainable way possible with the objective of improving building performance by at least 1 star through improvements in operational performance. The learning objectives will reflect the key components of the Green Guide as outlined below:

- Management tools and processes
- Energy efficiency and greenhouse gas emissions
- Water
- Waste
- Materials and procurement
- Indoor environment quality

Duration and delivery mode

The course is delivered over a 10 week study period using a blended delivery mode incorporating facilitated workshops, online components and print based course material. Facilitated workshops are delivered in locations to suit the audience.

An average student should be able to complete the learning and assessment requirements for all phases with approximately 5 hours per week of study. See recommended study below.

Study timetable	
Week	Activity
1	Workshop 1 - Monday Collate and analyse raw data provided
2	Collate and analyse raw data provided
3	Conduct NABERS energy and water self-assessment
4	Write short report and finalise Assignment 1 Assignment 1 due - Friday
5	Workshop 2 - Monday Collect your building data for 12-month period
6-7	Analyse your building data
8	Conduct NABERS energy and water self-assessment
9	Write report
10	Assignment 2 due - Friday

Resource material

Each student is supplied with a set of material comprising course guide, workshop session slides, readings and assessment tasks. Material is provided in print and electronic format.

The resource material will focus on developing the student's ability to apply process rather than product and will refer to existing industry recognised resources for managing sustainability, including:

- Green Guide
- ISO14001
- Green Star ratings system
- National Australian Built Environment Rating System (NABERS)

Assessment

Students are required to complete 2 assessment tasks involving data collection, analysis and reporting, identifying opportunities for improvement and implementation. See overpage for details.

Workshop outline

Workshop 1	
Time	Session
8.30am	Welcome
8.40am	Course objectives & targets
8.50am	Group Introductions
9.00am	Course Resources – work book, contacts & web overview
9.15am	Introduction to Sustainability*
10.00am	Group Exercise 1
10.30am	Morning tea
10.45am	Facility Management – Roles, processes & sustainability
11.30am	Rating tools & benchmarks
12.00pm	Case Study 1, Questions and discussion
12.30pm	Lunch
1.30pm	Energy & Water
2.00pm	Group Exercise 2
2.30pm	Waste
2.50pm	Case Study 2, Questions and discussion
3.15pm	Procurement Presentation
3.45pm	Afternoon tea
4.00pm	Case Study 3
4.20pm	Discussion on assignments
4.30pm	Wrap up & course remainder overview
5.00pm	Finish

Workshop 2	
Time	Session
8.30am	Welcome
8.40am	Review of Workshop 1
8.50am	Group exercise 1: Review of Assignment 1
9.15am	Assignment 1 outcomes
9.40am	Benchmarking as a management tool
10.00am	Morning tea
10.20am	Role of the Mechanical Contractor
11.00am	Waste
11.30am	IEQ and productivity

12.30pm	Lunch
1.30pm	Group Exercise 2: Energy & Water consumption and obtaining data
2.15pm	Assignment 2 requirements
2.30pm	Wrap up & the way forward
3.00pm	Finish