



Applied Energy Efficiency 2-Day Course

THE CARBON MANAGEMENT MASTERCLASS SERIES



This course will help you understand the various energy efficiency opportunities available, as well as prepare you to build the business case to drive initiatives across your organisation that will deliver tangible business benefits.

This short course is based on 1 of the 12 accredited units which make up the Certificate IV in Carbon Management.

CTICM303A: Evaluate Carbon Reduction and Renewable Energy Options

THIS COURSE WILL ENABLE YOU TO:

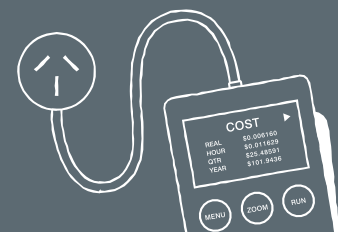
- Understand the sources and types of energy used within the workplace, community facility and home
- Identify energy demand and supply efficiency opportunities in the workplace
- Evaluate the business and community benefits associated with different energy efficiency projects
- Develop solutions to improve energy efficiency productivity
- Calculate running costs and project costs for energy efficiency opportunities to establish a cost/benefit analysis
- Use models for financial assessment and business case development (e.g. Payback, IRR, NPV)
- Understand and interpret energy efficiency product guidelines
- Employ workplace strategies to performance-manage business outcomes
- Implement energy efficiency opportunities
- Prepare reports and effectively communicate energy efficiency recommendations and outcomes
- How to overcome the barriers to energy efficiency adaptation

"I have attended many workshops and seminars both in the private and public sectors. Never have I felt so involved in a workshop and immersed in the discussions like I had during the 2-day Energy Efficiency Workshop presented by CTI. With little prior knowledge of the topic, I thought that the modules were well structured leading to a good understanding of topics that were supplemented by case studies. I recommend whole heartedly all to attend the workshop."

Robert Teo, Senior Manager,
Assets, Property and Building Services Burwood Council

Fees \$895 (GST Free)*

*2% surcharge added for credit card payments



**Enrol and receive a
FREE Power-Mate Lite meter**
valued at RRP \$129.95

COURSE PROGRAM

Prior to the course you will receive a pre-course guide to read to help fuel discussion and aid the achievement of learning outcomes on Day 1.

Day 1 - Demand Efficiencies and Barriers

- Global and Australian energy consumption in context
- Policy and Regulatory Response
- Energy Efficiency and Carbon Reduction Link
- Demand Efficiency - Behavioural Changes
- Behavioural Change Case Studies
- Barriers to Energy Efficiency
- Demand Efficiency - Infrastructure Changes
- Infrastructure Change Case Studies
- Power Factor Correction
- Lighting - demonstration
- Green Procurement

Day 2 - Supply Efficiencies and Business Case

- What is Supply Efficiency
- Forms of Renewable Energy
- Solar PV Installation Case Study
- Co-Generation - including case study
- Financial Evaluation and Performance Measures
- Performance Management - Targets and Continuous Improvement
- Prioritising Projects - Developing an Energy Efficiency Roadmap
- Co-Benefits of Energy Efficiency Initiatives

During the 2-day course you will work in groups to complete workbook exercises and engage in discussions on energy efficiency opportunities. The completion of workbooks forms part of the final assessment.

You will be taken through 7 case studies (4 demand and 3 supply efficiency initiatives) to contextualise the course content and assess relevance and applicability of different projects.

In preparation for the course you will be asked to gather real energy consumption data from your workplace, community facility or home to use in the class exercises and tasks, therefore maximising the course outcomes. Guidelines for the collection of energy data are supplied in the pre-course guide.

Following the course, you will be given time to prepare a draft business case for a workplace energy efficiency opportunity you have identified.

WHY YOU SHOULD UNDERTAKE THIS COURSE?

Energy costs are on the rise with projected forecasts in the order of 30%-50% over the next 2 years. Identifying energy efficiency opportunities in the workplace, community facility and home are critical in avoiding the mounting cost pressures that rising energy prices will bring.

Energy efficiency offers businesses numerous opportunities to improve operational and financial performance by mitigating against energy risks including price increases and exposure to a carbon price e.g. carbon tax.

Energy efficiency expertise is a part of the new generation of green skills that form part of the new mix of green-collar jobs transforming the Australian labour market on which new job opportunities and careers will be built.

WHO SHOULD ATTEND?

If you are responsible for, or interested in, energy consumption and identification of energy savings in your workplace, community facility or home but need the knowledge, skills and experience to successfully identify energy efficiency opportunities and achieve significant energy cost savings you should attend this course.

This course is especially relevant to the following positions and job functions:

- Facilities and asset managers in both the private and public sector
- IT managers
- Operations managers
- Small business owners
- Property managers
- Finance and business analysts
- Procurement and supply chain managers

COURSE PRE-REQUISITES

Access to a workplace is required in order to complete the final assessment and prepare a business case for an energy efficiency initiative.

FURTHER STUDY

Once you successfully complete this course you will receive an official Statement of Attainment and credit toward either a Certificate III or IV in Carbon Management should you wish to continue your study in carbon management beyond this course.

WHERE ARE THE COURSES BEING HELD?

These courses are being held in the following locations:

Armidale: Armidale CBD,
Wednesday and Thursday the 22nd and 23rd of February,
9am-5pm

Brisbane: Brisbane CBD,
Monday and Tuesday the 27th and 28th of February,
9am-5pm

Lismore: Lismore ACE Community Colleges,
Wednesday and Thursday the 7th and 8th of March,
9am-5pm

Melbourne: CERES Environment Park,
Wednesday evenings the 14th, 21st, 28th of March and
4th of April, 6pm-9.30pm

Newcastle: Newcastle CBD,
Wednesday and Thursday the 8th and 9th of February,
9am-5pm

Sunshine Coast: Sunshine Coast CBD,
Thursday and Friday the 1st and 2nd of March,
9am-5pm

Sydney: Australian Technology Park,
Monday the 6th and 13th February

Wollongong: Pioneer Sands Hotel, Towradgi,
Tuesday and Wednesday the 28th and 29th February

FREE INFORMATION WEBINARS

If you would like to ask any questions before you enrol, register for a free information webinar by going to the Applied Energy Efficiency course page of www.co2ti.com.

ABOUT THE COURSE PROVIDER

Carbon Training International (CTI) is the leading provider of nationally accredited Carbon Management training in Australia.

CTI is a Registered Training Organisation (RTO) and was responsible for creating Australia's first certified and accredited workplace qualifications in carbon management. These qualifications are designed to assist enterprise and industry transition to a less carbon and energy intensive future.

This applied energy efficiency short course was developed with the support, assistance and endorsement of NSW State Training Services, a division of the NSW Department of Education and Communities.

To enrol [click here](#)
or go to www.co2ti.com