

# ENVIRONMENT DESIGN GUIDE

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The full title of each paper is listed below, but in order to avoid duplication, most papers appear under one heading only, being the subject most strongly related to it, with secondary references to the primary subject listing. For example: 'renewable energy' will be filed under 'energy (renewable)'.

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**architecture**

GEN 2 Environmental Design and Architecture Environmental Design and Architecture

GEN 40 Implementing Ecologically Sustainable Development

DES 1 Energy Efficient Design – A Participatory Approach

DES 25 Green Building

CAS 37 Prasad House, Randwick, New South Wales

**education**

CAS 53 Conversion of a Heritage Listed Industrial Building – UTAS School of Architecture and Design

**economics**

GEN 44 Economics of Sustainable Building

**principles** – see design (passive), policy

**eco-neighbourhood** – see cohousing

**eco-positive design** – see positive development

**eco-retrofitting** – see retrofitting

**eco-roofs** – see green roofs

**eco-services**

GEN 4 Positive Development: Designing for Net Positive Impacts

GEN 6 Ecological Waste: Rethinking the Nature of Waste

DES 77 Design for Eco-Services Part A – Environmental Services

DES 78 Design for Eco-Services Part B – Building Services

**Ecospecifier** – see certification and labelling

PRO 7 The Environmental Impact of Building Materials

**ecosystems** – see also policy (Royal Australian Institute of Architects)

GEN 39 Ecosystem Services for Regional Sustainability

**goods and services** – see eco-services

**eco-villages** – see cohousing

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GEN 1 Royal Australian Institute of Architects – Environment Policy

DES 1 Energy Efficient Design – A Participatory Approach

**education buildings** – see buildings (institutional)

**electricity**

**cables** – see materials (Polyvinyl Chloride)

**distributed/local**

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DES 75 Carbon Emissions from Domestic Local Energy Generation

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DES 7 Artificial Lighting and Energy Efficiency

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GEN 76 Electromagnetic Fields in the Built Environment – Design for Minimal Radiation Exposure

**embodied energy**

GEN 36 The Relationship between Housing Density and Non-Transport Energy Use

PRO 1 Sustainable Housing Using Lightweight Cellular Concrete

PRO 2 Embodied Energy of Building Materials

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**life cycle analysis**

GEN 22 Life Cycle Energy Analysis

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DES 35 Building Materials Selection – Greenhouse Strategies

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GEN 36 The Relationship between Housing Density and Non-Transport Energy Use

PRO 7 The Environmental Impact of Building Materials

**embodied water** – see also water

GEN 58 Embodied Water of Construction

PRO 1 Sustainable Housing Using Lightweight Cellular Concrete

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**emerging technologies** – see lighting

**emissions trading** – see Carbon Pollution Reduction Scheme

NEW 51 Article: Building a Tradable Solution to Climate Change

## ENERGY

– see also cogeneration, energy efficient design, energy guidelines, lighting, life cost studies, performance, rating tools/software, simulating building, thermal insulation

**auditing**

GEN 10 Life-Cost Studies

GEN 16 Environmental Assessment Management Tools – An Overview

GEN 22 Life Cycle Energy Analysis

TEC 14 Energy Efficient Strategies for Existing Buildings

DES 1 Energy Efficient Design – A Participatory Approach

**building performance** – see building performance, rating tools/software

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TEC 17 Energy and Power Distribution

**efficiency** – see air leakage, energy efficient design

GEN 60 Energy Efficiency and ESD – Implementation from a Development Perspective

DES 1 Energy Efficient Design – A Participatory Approach

DES 79 Drivers of Energy and Water Efficiency in Commercial Office Buildings

**energy efficient design** – see also appliances, lighting

**commercial buildings**

- GEN 63 Green Star – A User's Perspective
- GEN 64 Operating a Building for the Next 20 Years
- GEN 65 Designing Buildings that Actually Perform
- DES 2 Energy Efficiency in Commercial Buildings
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- DES 53 Roof and Facade Gardens
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- DES 79 Drivers of Energy and Water Efficiency in Commercial Office Buildings
- CAS 1 Advanced Technology Centre, University of Newcastle, Newcastle, New South
- CAS 2 Solar Energy Information Centre, South Perth, Western Australia
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- CAS 10 Sustainable Energy Development Authority (SEDA) Office Fitout, Sydney, New South Wales
- CAS 20 Australian Geological Survey Organisation (AGSO) Building, Symonston, Australian Capital Territory
- CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra
- CAS 51 Santos Headquarters – 5 Star Green Star CBD Office Tower, Adelaide

**embodied** – see embodied energy

**energy efficient strategies for**

- TEC 14 Energy Efficient Strategies for Existing Buildings energy generation
- TEC 4 Photovoltaic Cells – How they Work
- TEC 6 Ground Source Heat Pumps – An Introduction
- TEC 8 Remote Area Power Supply Systems
- DES 10 Renewable Energy Generation

**energy guidelines**

**commercial and public buildings**

- DES 34 Commercial and Public Buildings – Energy Guideline

**energy management** – see lighting

**energy organisations** – see organisations

**energy performance contracting**

- GEN 38 Energy Performance Contracting – An Introduction
- GEN 60 Energy Efficiency and ESD – Implementation from a Development Perspective
- TEC 9 Electric Lighting – Emerging Technologies
- CAS 22 Energy Performance Contract – Midwestern Area Health Service (MWAHS), New South Wales

**energy performance software** – see also rating tools

- TEC 21 Applying Expert Opinion to Domestic Building Energy Assessment
- DES 21 Building Energy Performance Software – An Introduction policy – see also Carbon Pollution Reduction Scheme
- GEN 81 GHG Emission Reduction in Buildings – The Need for Further Policy Beyond Emissions Trading

**EnergyPlus** – see rating tools

**fuel selection**

- TEC 8 Remote Area Power Supply Systems
- DES 10 Renewable Energy Generation

**life cost studies** – see also life cycle analysis

- GEN 22 Life Cycle Energy Analysis
- GEN 36 The Relationship between Housing Density and Non-Transport Energy Use
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- TEC 7 Operational Energy Minimisation Technologies – An Overview from the Green Building Challenge

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- GEN 18-19 Urban Autonomous Servicing
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- TEC 17 Energy and Power Distribution
- DES 10 Renewable Energy Generation
- DES 41 Remote Area Building and Ecologically Sustainable Development

CAS 23 Bawinanga Ranger's Station, Maningrida, New South Wales

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- DES 74 Carbon Emissions from Domestic Built-In Appliances
- DES 76 Carbon Emissions from Dwellings – Transitioning to Zero Carbon Housing

**renewable** – see also biomass

- TEC 4 Photovoltaic Cells – How they Work
- TEC 6 Ground Source Heat Pumps – An Introduction
- TEC 8 Remote Area Power Supply Systems
- DES 2 Energy Efficiency in Commercial Buildings
- DES 10 Renewable Energy Generation
- NOT 6 Websites on Built Environment Sustainability – Part 2

**site analysis**

- DES 8 Residential Sites – Analysis for Sustainability
- DES 9 Residential Sites – Sustainable Developments
- DES 14 Water Efficiency – Design Solutions

**solar energy** – see photovoltaic

**systems, appliances and equipment**

- DES 37 Energy Systems, Appliances and Equipment
- CAS 4 Friendly Beaches Lodge, Friendly Beaches, Tasmania
- CAS 9 Bowali Visitor Centre thermal insulation – see rating tools, strawbale construction
- GEN 12 Residential Passive Solar Design,
- DES 4 Thermal Mass in Building Design
- PRO 11 Renewable Resources – Materials Survey
- CAS 12 Armstrong-Mobbs Sustainable House, Chippendale, New South Wales

**use**

- GEN 37 Land Resource Assessment
- GEN 38 Energy Performance Contracting – An Introduction
- TEC 3 Lighting – Energy Management
- TEC 7 Operational Energy Minimisation Technologies – An Overview from the Green Building Challenge 1998
- TEC 8 Remote Area Power Supply Systems
- DES 1 Energy Efficient Design – A Participatory Approach
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- DES 8 Residential Sites – Analysis for Sustainability
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- DES 21 Building Energy Performance Software – An Introduction
- DES 23 AccuRate – Second Generation Nationwide House Energy Rating Software
- DES 33 Building Performance Assessment – The Role in Design
- DES 34 Commercial and Public Buildings – Energy Guidelines
- DES 36 Integrated Systems Design
- DES 37 Energy Systems, Appliances and Equipment

**use in buildings**

- GEN 22 Life Cycle Energy Analysis
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- DES 25 Green Building
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- DES 33 Building Performance Assessment – The Role in Design
- DES 37 Energy Systems, Appliances and Equipment

**use in residential buildings**

- DES 73 Carbon Emissions from Domestic Appliances
- TEC 14 Energy Efficient Strategies for Existing Buildings

**use in project homes**

- CAS 44 Energy Performance of New Project Homes, Perth, WA

**use in commercial buildings/offices**

- GEN 64 Operating a Building for the Next 20 Years
- DES 2 Energy Efficiency in Commercial Buildings
- DES 37 Energy Systems, Appliances and Equipment
- DES 39 Non-Residential Buildings – Designing, Managing and Retrofitting to Reduce Greenhouse Gas Emissions
- CAS 1 Advanced Technology Centre, University of Newcastle, Newcastle, New South
- CAS 2 Solar Energy Information Centre, South Perth, Western Australia
- CAS 8 State Electricity Commission of Victoria (SECV) Headquarters, Melbourne, Victoria
- CAS 10 Sustainable Energy Development Authority (SEDA) Office Fitout, Sydney, New South Wales

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- CAS 20 Australian Geological Survey Organisation (AGSO) Building, Symonston, Australian Capital Territory

**targets**

- GEN 52 Greenhouse Policy – Implications for Buildings and Building Designers  
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DES 34 Commercial and Public Buildings – Energy Guidelines  
CAS 8 State Electricity Commission of Victoria (SECV) Headquarters, Melbourne, Victoria

**windows** – see also windows

- GEN 12 Residential Passive Solar Design  
TEC 3 Lighting – Energy Management  
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**enhanced greenhouse effect** – see also lighting

- GEN 7 The Greenhouse Effect – General Considerations  
DES 35 Building Materials Selection – Greenhouse Strategies  
DES 36 Integrated Systems Design  
DES 37 Energy Systems, Appliances and Equipment  
DES 38 Residential Buildings – Retrofitting to Reduce Greenhouse Gas Emissions  
DES 39 Non-Residential Buildings – Designing, Managing and Retrofitting to Reduce Greenhouse Gas Emissions  
PRO 15 Timber Resources and Sustainability

**envelope (building)** – see facades**environment****assessment** – see assessment**design and architecture**

- GEN 40 Implementing Ecologically Sustainable Development  
GEN 55 Mental Landscapes – The Forgotten Element in Sustainable Design  
DES 6 Daylighting of Buildings

**economics**

- GEN 10 Life-Cost Studies

**organisations** – see organisations**state of the environment**

- GEN 14 2001 State of the Environment Report – Human Settlements

**environmental impact assessment** – see also building materials**new developments**

- GEN 16 Environmental Assessment Management Tools – An Overview  
GEN 69 Tourism Architecture in Special Places  
NOT 4 Websites on Built Environment Sustainability – Part I  
CAS 31 Doncaster Hill Urban Village, Doncaster, Victoria

**reports** – see reports (Brundtland Report)**equipment, appliances and energy systems**

- DES 37 Energy Systems, Appliances and Equipment

**erosion**

- DES 52 Erosion and Sediment Control

**ESD** – see Ecologically Sustainable Development**ethical issues**

- GEN 2 Environmental Design and Architecture

**exfiltration** – see air leakage**existing buildings****expert opinion**

- TEC 21 Applying Expert Opinion to Domestic Building Energy Assessment

**F****facade gardens** – see green walls**facades**

- DES 49 Building Services Systems – An Integrated Design Approach to the Environmental Performance of Buildings  
DES 60 Commercial Building Facades – Evaluating Advanced Systems  
TEC 29 Double Skin Facades – More is Less?

**facility ecology**

- TEC 22 Indoor Environment Quality, Design, and Facility Ecology Worth

**facility management**

- GEN 64 Operating a Building for the Next 20 Years

**fan pressurisation method (FPM)** – see air leakage**fans** – see heating and cooling systems (circulating fans)**FERN** – see Forests and the European Union Resource Network**finishes** – see architectural coatings**fitouts****impact of**

- PRO 7 The Environmental Impact of Building Materials

**fire** – see also polyvinyl chloride, strawbale, chemical risks**bushfires**

- DES 8 Residential Sites – Analysis for Sustainability  
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DES 55 Bushfire Planning and Design  
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CAS 33 Bunton House – Bushfire Case Study, Katoomba, New South Wales

**toxic combustion, products**

- PRO 4 Chemical Risks in the Built Environment – An Introduction  
PRO 5 Chemical Risks in the Built Environment – A Survey  
PRO 14 Polyvinyl Chloride – Products, Use and Disposal

**forests**

- PRO 37 Life Cycle Assessment of Forest and Wood Products in Australia

**management** – see timber (certification)**Forests and the European Union Resource Network (FERN)** – see timber (certification)**Forest Stewardship Council (FSC)** – see timber (certification)**found cohousing** – see cohousing**FPM** – see fan pressurisation method**Freeway** – see roads, roads management**FSC** – see Forest Stewardship Council**G****gaia**

- GEN 72 Planning the Green City

**gardens** – see green roofs, green walls, landscape**Garnaut Review** – see Carbon Pollution Reduction Scheme**generation** – see electricity generation**geothermal energy**

- TEC 6 Ground Source Heat Pumps – An Introduction  
CAS 20 Australian Geological Survey Organisation (AGSO) Building, Symonston, Australian Capital Territory  
CAS 11 Ridgeway Apartments, Adelaide, South Australia

**Geographic Information Systems (GIS) and remote sensing**

- TEC 15 Transport, Land Use, Site Planning and Landscape Planning – GIS and Remote Sensing

**GHG** – see Greenhouse Gas emissions**GIS** – see **Geographic Information Systems above****glare** – see Indoor Environment Quality**glazing**

- TEC 10 Building Envelopes – Emerging Technologies  
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DES 63 Daylighting and Buildings – A Guide  
PRO 3 Windows in Building Design – Energy Impacts  
PRO 19 Commercial Buildings – Advanced Glazing Systems  
PRO 32 Glazing, Windows, Skylights and Atria – Properties and Rating Systems

**global climate change** – see climate change**global warming potential**

- PRO 8 Strategies and Resources for Material Selection

**glossary**

- NOT 11 Glossary of Ecologically Sustainable Development Terms

**greyfield development** – see urban (green/grey/brownfield development)**green** – see also building, productivity**buildings** – see buildings**city**

- GEN 72 Planning the Green City

**design** – see ecologically sustainable design

**façade** – see living walls

**greenfield development** – see urban (green/grey/brownfield development)

**Green Star** – see rating tools

**infrastructure** – see green infrastructure

#### roofs

- DES 53 Roof and Facade Gardens
- TEC 27 Green Roofs – Understanding their Benefits for Australia

#### walls

- GEN 4 Positive Development: Designing for Net Positive Impacts
- GEN 6 Ecological Waste: Rethinking the Nature of Waste
- DES 53 Roof and Facade Gardens
- TEC 26 Living Walls – a Way to Green the Built Environment

#### greenhouse effect

- GEN 7 The Greenhouse Effect – General Considerations
- DES 52 Erosion and Sediment Control

**greenhouse gas emissions** – see also Carbon Pollution Reduction Scheme, retrofitting, and thermal insulation

- PRO 7 The Environmental Impact of Building Materials
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#### commercial buildings

- DES 2 Energy Efficiency in Commercial Buildings
- DES 39 Non-Residential Buildings – Designing, Managing and Retrofitting to Reduce Greenhouse Gas Emissions
- NOT 10 Commercial Building Baseline Study

#### reduction by design

- GEN 13 Greenhouse Gas Emissions and the Residential Sector
- GEN 17 Urban Planning for Sustainability
- GEN 38 Energy Performance Contracting – An Introduction
- GEN 84 The Costs of Urban Sprawl – Predicting Transport Greenhouse Gases from Urban Form Parameters
- TEC 9 Electric Lighting – Emerging Technologies
- DES 1 Energy Efficient Design – A Participatory Approach
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- DES 23 AccuRate – Second Generation Nationwide House Energy Rating Software
- DES 35 Building Materials Selection – Greenhouse Strategies
- DES 36 Integrated Systems Design
- DES 37 Energy Systems, Appliances and Equipment

#### residential buildings

- DES 73 Carbon Emissions from Domestic Appliances
- DES 74: Carbon Emissions from Domestic Built-In Appliances
- DES 75: Carbon Emissions from Domestic Local Energy Generation
- DES 76: Carbon Emissions from Dwellings – Transitioning to Zero Carbon Housing

**greyfield development** – see urban (green/grey/brownfield development)

#### greywater

- GEN 18-19 Urban Autonomous Servicing
- TEC 11 Greywater and Blackwater Treatment Strategies
- DES 13 Water Sensitive Design – An Introduction
- DES 24 Domestic Wastewater – On-site Treatment and Reuse
- DES 27 Water Use
- DES 43 Water – Minimising Use in Landscapes

**ground source heat pumps** – see heat pumps

**guidelines** – see also wind farms

- DES 34 Commercial and Public Buildings – Energy Guidelines
- PRO 22 Waste Minimisation – A Guide for Materials Selection

#### planting, for public spaces

- DES 40 Planting Guidelines for Public Spaces
- DES 64 Wind Farms – Guidelines and Principles for Visual Assessment and Design

**specifying office furniture** – see office furniture

## H

**habitat** – see vegetation

#### urban habitat

- DES 68 An Ecological Design Strategy for the Planning and Development of Healthy Urban Habitat

**health, safety and comfort** – see also chemical risks, lead, legionella, polyvinyl chloride and toilets (composting)

- GEN 15 Indoor Environment and Health – An Introduction
- GEN 34 Urban Air Quality

- GEN 35 Solar Ultraviolet Radiation – Protective Measures
- GEN 39 Ecosystem Services for Regional Sustainability

GEN 85 The Costs of Urban Sprawl – Physical Activity Links to Healthcare Costs and Productivity

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DES 12 Perceived Comfort

DES 57 Comfort in Buildings – Applying an Adaptive Model

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PRO 14 Polyvinyl Chloride – Products, Use and Disposal

PRO 20 Lead Hazards in Construction

PRO 30 Timber and Wood Products – Applications

CAS 33 Bunton House – Bushfire Case Study, Katoomba, New South Wales

**heat gain** – see design (passive)

## HEATING AND COOLING SYSTEMS

– see also comfort (thermal), heat pumps, insulation, rating tools

#### air-conditioning

- TEC 13 Refrigerant-Cycle Chiller Optimisation
- TEC 14 Energy Efficient Strategies for Existing Buildings
- TEC 18 Chilled Ceilings and Beams
- DES 4 Thermal Mass in Building Design
- DES 20 Arid Climates and Enhanced Natural Ventilation
- DES 71 Adjusting Building Thermostats for Environmental Gains – Understanding the Issues
- DES 72 Adjusting Building Thermostats for Environmental Gains – a Pilot Study
- DES 34 Commercial and Public Buildings – Energy Guidelines
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- DES 49 Building Services Systems – An Integrated Design Approach to Building Performance
- DES 57 Comfort in Buildings – Applying an Adaptive Model
- CAS 1 Advanced Technology Centre, University of Newcastle, Newcastle, New South Wales
- CAS 2 Solar Energy Information Centre, South Perth, Western Australia
- CAS 8 State Electricity Commission of Victoria (SECV) Headquarters, Melbourne, Victoria
- CAS 14 The Nursing Faculty Building, Callaghan Campus, University of Newcastle, Newcastle, New South Wales
- CAS 20 Australian Geological Survey Organisation (AGSO) Building, Symonston, Australian Capital Territory
- CAS 22 Energy Performance Contract – Midwestern Area Health Service (MWAHS), New South Wales

**central energy plant** – see heating and cooling (district cooling)

#### chilled beams

- TEC 18 Chilled Ceilings and Beams
- CAS 51 Santos Headquarters – 5 Star Green Star CBD Office Tower, Adelaide

#### circulating fans

- TEC 25 Circulating Fans for Summer and Winter Comfort and Indoor Energy Efficiency

#### chillers (primary and secondary)

- CAS 51 Santos Headquarters – 5 Star Green Star CBD Office Tower, Adelaide

**cogeneration** – see cogeneration

#### district cooling

- CAS 54 District cooling case study – James Cook University, Townsville

**ground source heat pumps** – see heat pumps

#### heat pumps

- TEC 6 Ground Source Heat Pumps – An Introduction

#### hot water systems, solar

- TEC 5 Solar Hot Water Systems

#### hydronic

- CAS 53 Conversion of a Heritage Listed Industrial Building – UTAS School of Architecture and Design

#### passive downdraft

- CAS 42 Post-Occupancy Evaluation of Passive Downdraft Evaporative Cooling and Air Conditioned Buildings at the Torrent Research Centre, Ahmedabad, India

**thermal comfort** – see comfort (thermal)

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CAS 54 District cooling case study – James Cook University, Townsville

**space heating** – see heating and cooling

GEN 12 Residential Passive Solar Design  
 GEN 18-19 Urban Autonomous Servicing  
 DES 8 Residential Sites – Analysis for Sustainability

**heat pumps** – see heating and cooling (heat pumps)

**HERS** – see House Energy Rating Scheme

**hot water** – see heating and cooling

**House Energy Rating Scheme (HERS)** – see rating tools housing

**household appliances** – see appliances

**house/housing** – see buildings (residential)

CAS 49 Pemberton House, Hobart – Implementing Thermal Design Principles for Housing in a Cool Temperate Climate

**affordable**

DES 65 Affordable Housing – Design Strategies

**density**

GEN 36 The Relationship between Housing Density and Non-Transport Energy Use

**human settlements**

GEN 14 2001 State of the Environment Report – Human Settlements  
 GEN 13 Greenhouse Gas Emissions and the Residential Sector  
 GEN 17 Urban Planning for Sustainability,  
 GEN 39 Ecosystem Services for Regional Sustainability  
 GEN 70 Liveable Communities – Fostering Sustainable Cities and Regions  
 GEN 71 Towards Sustainable Urbanism  
 GEN 72 Planning the Green City  
 GEN 74 Metropolitan Planning – Balancing Place and Sustainability

**HVAC (heating ventilation and air conditioning)** – see heating and cooling

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**IAQ** – see indoor air quality

**IEQ** – see indoor environment quality

**indigenous communities and related buildings**

CAS 3 Brewarrina Aboriginal Cultural Museum, Brewarrina, NSW  
 CAS 9 Bowalli Visitor Information Centre, Kakadu, NT  
 CAS 23 Bawinanga Rangers' Station, Maningrida, NT

**indoor air quality (IAQ)** – see also indoor air quality (urban)

TEC 22 Indoor Environment Quality, Design, and Facility Ecology  
 Worth **indoor ecology**

GEN 15 Indoor Environment and Health – An Introduction

TEC 22 Indoor Environment Quality, Design, and Facility Ecology  
 Worth

**indoor environment quality (IEQ)**

GEN 15 Indoor Environment and Health – An Introduction

GEN 50 Legionella

GEN 79 Impact of Indoor Environment Quality on Occupant Productivity and Wellbeing in Office Buildings

TEC 12 Ventilation – Emerging Technologies

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DES 12 Perceived Comfort

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CAS 52 Office Building Retrofit at 55 St Andrews Place, Melbourne: Turning a Sparrow into a Peacock

**infiltration** – see air leakage

**infrastructure**

GEN 78 Building the Tool To Deliver Sustainable Infrastructure Solutions

GEN 83 The Costs of Urban Sprawl – Infrastructure and Transportation

**green**

DES 77 Design for Eco-Services Part A – Environmental Services

DES 78 Design for Eco-Services Part B – Building Services

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**institutional buildings** – see buildings (institutional)

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GEN 12 Residential Passive Solar Design

GEN 22 Life Cycle Energy Analysis

DES 23 AccuRate – Second Generation Nationwide House Energy Rating Software

CAS 12 Armstrong-Mobbs Sustainable House, Chippendale, New South Wales

CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

**integrated**

**design** – see design

**natural resource management**

DES 51 Catchment Management – Integrated Natural Resource Management

**intentional communities** – see cohousing

**Intergovernmental Panel on Climate Change (IPCC)** – see

Carbon Pollution Reduction Scheme

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**passive irrigation and wetlands** – see water sensitive design

**IPCC** – see Intergovernmental Panel on Climate Change

**ISO** – see standards

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**labelling schemes** – see certification and labelling schemes

**land**

**resource assessment** – see resource

**use, site and landscape planning and transport, GIS and****remote sensing**

TEC 15 Transport, Land Use, Site Planning and Landscape Planning – GIS and Remote Sensing

**landscape** – see also permaculture, urban farming

**design**

GEN 3 Biodiversity and the Built Environment

GEN 39 Ecosystem Services for Regional Sustainability

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DES 58 Urban Freeway Vegetation Design and Management

CAS 3 Brewarrina Aboriginal Cultural Museum, Brewarrina, New South Wales

CAS 24 The Millennium Parklands, Homebush Bay, New South Wales

CAS 30 Restoring the Waters Project, Clear Paddock Creek, New South Wales

**water**

DES 43 Water – Minimising Use in Landscapes

DES 19 Stormwater Recycling in Landscapes

DES 54 Water and Landscape Design in Arid Climates

**urban freeway vegetation design**

DES 58 Urban Freeway Vegetation Design and Management

**LCA** – see **Life Cycle Assessment**

**LCI** – see **Life Cycle Inventory**

**legionella / legionellosis**

GEN 50 Legionella

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PRO 6 Chemical Risks in the Built Environment – Reduction Strategies

**legislation**

GEN 8 Passive Solar Design – The Legal Right to Solar Access

GEN 21 Waste Minimisation and Resource Recovery

GEN 29 Waste Minimisation and Building Design Professionals

GEN 30 Project Waste Management Plans – Costing and Quantifying Construction Waste

GEN 32 Contaminated Land

GEN 35 Solar Ultraviolet Radiation – Protective Measures

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PRO 6 Chemical Risks in the Built Environment – Reduction Strategies

PRO 18 Green Specifying – The Role of National Master Specification Systems Part 2

**life cycle****assessment (LCA)** – see also windows

- GEN 22 Life Cycle Energy Analysis
- GEN 51 Life-Cycle Assessment – Application in Buildings
- PRO 7 The Environmental Impact of Building Materials
- PRO 8 Strategies and Resources for Material Selection
- PRO 37 Life Cycle Assessment of Forest and Wood Products in Australia

**cost studies**

- GEN 10 Life Cost Studies
- GEN 49 Quantity Surveyors' – Excerpts from the Build Energy Smart Training Manual
- GEN 54 Quantity Surveying – Understanding Quantification in Delivering Environmentally Sustainable Assets
- GEN 64 Operating a Building for the Next 20 Years

**build LCA**

- PRO 7 The Environmental Impact of Building Materials
- PRO 8 Strategies and Resources for Material Selection

**inventory (LCI)**

- PRO 37 Life Cycle Assessment of Forest and Wood Products in Australia

**lighting**

- DES 61 Lighting – Design Techniques
- DES 62 Lighting – Incorporating an Integrated Design Process

**artificial**

- GEN 61 Lighting – Best Practice and Sustainability
- DES 7 Artificial Lighting and Energy Efficiency
- DES 36 Integrated Systems Design
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- DES 61 Lighting – Design Techniques
- DES 62 Lighting – Incorporating an Integrated Design Process
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- TEC 16 Lighting – Energy Management and Occupant Wellbeing through Integrated Control
- DES 62 Lighting – Incorporating an Integrated Design Process
- PRO 3 Windows in Building Design – Energy Impacts
- PRO 3 Windows in Building Design – Energy Impacts
- CAS 35 Lighting at the New Australian Greenhouse Offices, Capital Hill, ACT

**control systems**

- GEN 64 Operating a Building for the Next 20 Years
- TEC 3 Lighting – Energy Management
- TEC 9 Electric Lighting – Emerging Technologies
- TEC 16 Lighting – Energy Management and Occupant Wellbeing through Integrated Control
- DES 2 Energy Efficiency in Commercial Building
- DES 6 Daylighting of Buildings
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**daylighting** – see lighting (natural)**design (integrated)**

- DES 62 Lighting – Incorporating an Integrated Design Process

**emerging technologies**

- TEC 9 Electric Lighting – Emerging Technologies

**energy use**

- DES 7 Artificial Lighting and Energy Efficiency

**general**

- GEN 61 Lighting – Best Practice and Sustainability

**greenhouse gas emissions**

- DES 37 Energy Systems, Appliances and Equipment
- DES 62 Lighting – Incorporating an Integrated Design Process
- CAS 20 Australian Geological Survey Organisation (AGSO) Building, Symonston, Australian Capital Territory

**integrated lighting**

- DES 62 Lighting – Incorporating an Integrated Design Process

**light shelves**

- TEC 7 Operational Energy Minimisation Technologies – An Overview from the Green Building Challenge 1998
- DES 6 Daylighting of Buildings
- DES 7 Artificial Lighting and Energy Efficiency
- DES 38 Residential Buildings – Retrofitting to Reduce Greenhouse Gas Emissions
- DES 61 Lighting – Design Techniques
- CAS 8 State Electricity Commission of Victoria (SECV) Headquarters, Melbourne, Victoria
- CAS 14 The Nursing Faculty Building, Callaghan Campus, University of Newcastle, Newcastle, New South Wales
- CAS 20 Australian Geological Survey Organisation (AGSO) Building, Symonston, Australian Capital Territory

**managed lighting system**

- PRO 32 Glazing, Windows, Skylights and Atria – Properties and Rating Systems
- CAS 35 Lighting at the New Australian Greenhouse Offices, Capital Hill, Australian Capital Territory
- CAS 45 40 Albert Road, South Melbourne

**modelling**

- GEN 44 Economics of Sustainable Building
- GEN 51 Life Cycle Assessment – Application in Buildings

**natural** – see also windows, Indoor Environment Quality

- DES 6 Daylighting of Buildings
- DES 36 Integrated Systems Design
- DES 62 Lighting – Incorporating an Integrated Design Process
- DES 63 Daylighting and Buildings – A Guide
- TEC 7 Operational Energy Minimisation Technologies – An Overview from the Green Building Challenge 1998
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- CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

**pollution**

- GEN 24 Light Pollution

**sources**

- TEC 4 Photovoltaic Cells – How they Work
- TEC 9 Electric Lighting – Emerging Technologies
- DES 7 Artificial Lighting and Energy Efficiency

**lightweight** – see materials (concrete)**lightweight construction** – see also strawbale**Living Machines**

- GEN 4 Positive Development: Designing for Net Positive Impacts
- GEN 6 Ecological Waste: Rethinking the Nature of Waste

**living walls** – see green walls**local generation** – see electricity generation (distributed/local)**local government**

- GEN 20 Sustainability Assessment in the Planning Process – a local perspective
- NOT 4 Websites on Built Environment Sustainability – Part I
- CAS 30 Restoring the Waters Project, Clear Paddock Creek, NSW

**longevity (timber)**

- PRO 36 Timber Use In Residential Construction and Demolition

**low-energy design** – see design (low-energy)**M****MABEL** – see building performance**macrophytes** – see plants (aquatic)**McDonough Brangart Design Chemistry (MBDC)**

- PRO 8 Strategies and Resources for Material Selection

**managed lighting system** – see lighting (managed systems)**management** – see also urban design**catchment**

- DES 51 Catchment Management – Integrated Natural Resource Management

**effect on efficiency**

- DES 79 Drivers of Energy and Water Efficiency in Commercial Office Buildings

**landscape planning, design and**

- DES 48 Landscape Planning, Design and Management

**marketing** – see ESD**massing**

- CAS 21 Cotton Tree Housing Project, Sunshine Coast, Queensland

**MATERIALS**

## – see also adhesives

- GEN 58 Embodied Water of Construction
- DES 35 Building Materials Selection – Greenhouse Strategies
- PRO 4 Chemical Risks in the Built Environment – An Introduction
- PRO 7 The Environmental Impact of Building Materials
- PRO 10 Renewable Resources – An Introduction to Building Materials
- PRO 11 Renewable Resources – Materials Survey
- PRO 15 Timber Resources and Sustainability

*continued*

*materials continued*

- PRO 16 Durability of Building Materials – An Introduction  
 PRO 17 Green Specifying – The Role of National Master Specification Systems Part 1  
 PRO 18 Green Specifying – The Role of National Master Specification Systems Part 2
- aggregates – see also concrete**  
 TEC 1 Waste Minimisation – Source Reduction  
 DES 35 Architects and Sustainable Design – A Client Briefing  
 PRO 24 Low CO<sub>2</sub> Concrete: Are We Making Any Progress?
- aluminium – see materials (aluminium)**  
 GEN 2 Environmental Design and Architecture 1, Waste Minimisation and Resource Recovery Part 4  
 DES 35 Building Materials Selection – Greenhouse Strategies  
 PRO 4 Chemical Risks in the Built Environment – An Introduction
- biodegradability**  
 GEN 21 Waste Minimisation and Resource Recovery  
 PRO 10 Renewable Resources – An Introduction to Building Materials  
 PRO 11 Renewable Resources – Materials Survey  
 PRO 15 Timber Resources and Sustainability  
 PRO 33 Timber and Wood Products – Environmental Certification
- biodiversity – see biodiversity / timber**
- cement / concrete**  
 DES 4 Thermal Mass in Building Design  
 DES 66 Vegetation and Habitat Conservation – A Strategic Framework  
 PRO 5 Chemical Risks in the Built Environment – A Survey  
 PRO 24 Low CO<sub>2</sub> Concrete: Are We Making Any Progress?  
 PRO 31 Concrete – An Introduction  
 CAS 34 Building T, Deakin University, Burwood, Victoria  
 PRO 1 Sustainable Housing Using Lightweight Cellular Concrete
- cellulose**  
 PRO 11 Renewable Resources – Materials Survey  
 PRO 14 Polyvinyl Chloride – Products, Use and Disposal
- chemical – see chemical hazards**
- cork – see materials**  
 PRO 10 Renewable Resources – An Introduction to Building Materials  
 PRO 11 Renewable Resources – Materials Survey
- durability**  
 PRO 16 Durability of Building Materials – An Introduction
- embodied energy**  
 GEN 22 Life Cycle Energy Analysis Parts 2.1, 3.1, 4.1  
 DES 35 Building Materials Selection – Greenhouse Strategies  
 PRO 2 Embodied Energy of Building Materials
- embodied water**  
 GEN 58 Embodied Water of Construction
- environmental assessment**  
 TEC 19 Building Operation – Data Collection  
 PRO 17 Green Specifying – The Role of National Master Specification Systems Part 1  
 PRO 30 Timber and Wood Products – Applications  
 PRO 31 Concrete – An Introduction
- lead – see materials (paint)**  
 PRO 20 Lead Hazards in Construction
- paint**  
 GEN 34 Urban Air Quality  
 PRO 6 Chemical Risks in the Built Environment – Reduction Strategies  
 PRO 11 Renewable Resources – Materials Survey  
 PRO 20 Lead Hazards in Construction  
 PRO 28 Architectural Coatings – Managing Environmental Impacts  
 lead  
 PRO 6 Chemical Risks in the Built Environment – Reduction Strategies  
 PRO 28 Architectural Coatings – Managing Environmental Impacts
- phase change**  
 TEC 20 Phase Change Materials – Overview
- polyvinyl chloride (PVC) – see materials**  
 PRO 13 Polyvinyl Chloride – Manufacture  
 PRO 14 Polyvinyl Chloride – Products, Use and Disposal  
 PRO 16 Durability of Building Materials – An Introduction  
 PRO 17 Green Specifying – The Role of National Master Specification Systems Part 1  
 PRO 18 Green Specifying – The Role of National Master Specification Systems Part 2

- PRO 20 Lead Hazards in Construction

**recycled**

- CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

**renewable**

- PRO 7 The Environmental Impact of Building Materials  
 PRO 8 Strategies and Resources for Material Selection  
 PRO 10 Renewable Resources – An Introduction to Building Materials  
 PRO 11 Renewable Resources – Materials Survey  
 PRO 15 Timber Resources and Sustainability  
 PRO 16 Durability of Building Materials – An Introduction

**rubber – see materials**

- PRO 4 Chemical Risks in the Built Environment – An Introduction

- PRO 11 Renewable Resources – Materials Survey selection

- PRO 8 Strategies and Resources for Material Selection

**steel – see materials**

- PRO 26 Steel – An Introduction

**straw bales – see strawbale construction****sustainable**

- PRO 7 The Environmental Impact of Building Materials  
 PRO 8 Strategies and Resources for Material Selection

**timber – see timber****MBDC – see McDonough Brangart Design Chemistry****mechanical plant/services – see heating and cooling****Melbourne Docklands**

- CAS 46 The Water Sensitive Urban Design in the Melbourne Docklands – Overview  
 CAS 47 The Water Sensitive Urban Design in the Melbourne Docklands – Raingardens  
 CAS 48 The Water Sensitive Urban Design in the Melbourne Docklands – Wetlands, Storage and Reuse System

**men's sheds**

- DES 18 Cohousing and Rethinking the Neighbourhood – The Australian Context

**metropolitan planning – see planning**

- DES 16 Metropolitan Transport – Design Strategies, Sustainable

**Middle East – see design (for arid climates)****MIPS**

- PRO 7 The Environmental Impact of Building Materials

**mixed use – see urban (design/planning)****modular design – see design (modular)****N****NABERS – National Australian Built Environment Rating****Scheme – see rating tools**

- GEN 65 Designing Buildings that Actually Perform

**National Australian Built Environment Rating Scheme****(NABERS) – see rating tools****National Greenhouse Response Strategy**

- GEN 1 Royal Australian Institute of Architects – Environment Policy  
 NOT 9 Residential Building Baseline Study  
 NOT 10 Commercial Building Baseline Study

**NatHERS – Nationwide House Energy Rating Scheme****– see rating tools****Nationwide House Energy Rating Scheme – see rating tools****National Framework on Energy Efficiency (NREE) – see****energy efficiency (policy)****native forests – see timber (certification)****natural lighting – see lighting (natural)****natural oils**

- PRO 11 Renewable Resources – Materials Survey

**natural resource – see resources****natural ventilation – see ventilation****neighbour/hoods – see cohousing****NREE – see National Framework on Energy Efficiency****noise – see Indoor Environment Quality**

## O

**obesity/obesogenic**

GEN 85 The Costs of Urban Sprawl – Physical Activity Links to Healthcare Costs and Productivity

**obsolescence of buildings**

GEN 10 Life-Cost Studies

GEN 21 Waste Minimisation and Resource Recovery

GEN 66 Design for Adaptability – An Introduction to the Principles and Basic Strategies

TEC 1 Waste Minimisation – Source Reduction

DES 25 Green Building

DES 31 Design for Disassembly – Themes and Principles

CAS 12 Armstrong-Mobbs Sustainable House, Chippendale, New South Wales

CAS 18 Fairweather Homes – Selected Case Studies, Victoria

**occupancy/occupant** – see building (user/occupant)**behaviour** – see behaviour**patterns**

TEC 21 Applying Expert Opinion to Domestic Building Energy Assessment

**office** – see also buildings (commercial), indoor air quality, indoor environment quality, productivity**furniture (and specifying)**

PRO 27 Office Furniture – Key Issues and Specification Guidelines

PRO 29 Office Furniture and Fitouts – Recent Case Studies

**tower** – see buildings (commercial)**old growth forests** – see timber (certification)**operational energy** – see energy**organisations**

NOT 1 Directory of Environment and Energy Organisations

## P

**paint** – see materials**panels** – see materials (concrete)**participatory design** – see design**passive solar design** – see design (passive), ventilation (natural)**passive irrigation** – see water (passive irrigation and wetlands)**pedshed** – see urban (design/planning)**PEFC** – see Programme for Endorsement of Forest Certification Schemes**perceived comfort** – see comfort**performance assessment of buildings** – see rating tools

TEC 21 Applying Expert Opinion to Domestic Building Energy Assessment

DES 33 Building Performance Assessment – The Role in Design

**permaculture**

GEN 25 Permaculture Part A – Introduction to Urban Farming

GEN 26 Permaculture Part B – Principles and Application

**photovoltaics**

GEN 18-19 Urban Autonomous Servicing

TEC 4 Photovoltaic Cells – How they Work

TEC 8 Remote Area Power Supply Systems

DES 2 Energy Efficiency in Commercial Buildings

DES 7 Artificial Lighting and Energy Efficiency

DES 9 Residential Sites – Sustainable Developments

DES 10 Renewable Energy Generation

DES 28 Photovoltaics – Architectural Applications

DES 38 Residential Buildings – Retrofitting to Reduce Greenhouse Gas Emissions

**phase change materials** – see materials**PIA** – see Planning Institute of Australia**pipe** – see mud**planning**

GEN 74 Metropolitan Planning – Balancing Place and Sustainability

**alpine** – see alpine**and design for bushfire** – see bushfires**design and management, landscape**

DES 48 Landscape Planning, Design and Management

**and development of healthy urban habitat**

DES 68 An E-ecological Design Strategy for the Planning and Development of Healthy Urban Habitat

**transport**

TEC 15 Transport, Land Use and Site Planning Landscape Planning – GIS and Remote Sensing

**landscape**

TEC 15 Transport, Land Use and Site Planning Landscape Planning – GIS and Remote Sensing

**Planning Institute of Australia** – see policy**plants** – see also green walls**aquatic – macrophytes**

CAS 47 The Water Sensitive Urban Design in the Melbourne Docklands – Raingardens

**plug-in appliances** – see appliances**POE** – see post occupancy evaluation**policy documents**

GEN 1 Royal Australian Institute of Architects – Environment Policy

**pollutants**

TEC 22 Indoor Environment Quality, Design, and Facility Ecology Worth

GEN 15 Indoor Environment and Health – An Introduction

GEN 17 Urban Planning for Sustainability

GEN 24 Light Pollution

GEN 34 Urban Air Quality

DES 8 Residential Sites – Analysis for Sustainability

DES 13 Water Sensitive Design – An Introduction

**polyvinyl chloride (PVC)** – see materials**positive development**

GEN 4 Positive Development: Designing for Net Positive Impacts

GEN 6 Ecological Waste: Rethinking the Nature of Waste

DES 77 Design for Eco-Services Part A – Environmental Services

DES 78 Design for Eco-Services Part B – Building Services

**post occupancy evaluation (POE)**

GEN 33 Users' Perceptions of Health and Productivity in Sustainable Buildings

TEC 19 Building Operation – Data Collection

CAS 26 Sellick House, Swanbourne, Western Australia

CAS 37 Prasad House, Randwick, New South Wales,

CAS 38 George Street Apartments, Fitzroy, Victoria

CAS 42 Post-Occupancy Evaluation of Passive Downdraft

Evaporative Cooling and Air conditioned Buildings at Torment Research Centre, Ahmedabad, India

**power** – see also energy**energy and distribution**

TEC 17 Energy and Power Distribution

**remote area supply systems**

TEC 8 Remote Area Power Supply Systems

**precast** – see materials (concrete)**prefabrication**

TEC 1 Waste Minimisation – Source Reduction

DES 31 Design for Disassembly – Themes and Principles

CAS 18 Fairweather Homes – Selected Case Studies, Victoria

TEC 28 Towards Prefabricated Sustainable Housing: An Introduction

**primary chillers** – see heating and cooling (chillers)**productivity**

GEN 67 Green Buildings and Productivity

GEN 79 Impact of Indoor Environment Quality on Occupant Productivity and Wellbeing in Office Buildings

GEN 85 The Costs of Urban Sprawl – Physical Activity Links to Healthcare Costs and Productivity

TEC 22 Indoor Environment Quality, Design, and Facility Ecology Worth

**product stewardship**

PRO 22 Waste Minimisation – A Guide for Materials Selection

**Program for Endorsement of Forest Certification Schemes (PEFC)** – see timber (certification)**project homes** – see buildings (residential)**project management**

GEN 44 Economics of Sustainable Building

**public and commercial buildings, energy guidelines**

DES 34 Commercial and Public Buildings – Energy Guidelines

**public estate**

GEN 4 Positive Development: Designing for Net Positive Impacts

GEN 6 Ecological Waste: Rethinking the Nature of Waste

**public spaces, planting guidelines**

DES 40 Planting Guidelines for Public Spaces

**public transport** – see urban (design/planning)

**publications**

NOT 2 Annotated Bibliography of Environmental Design Publications

**PVC** – see poly vinyl chloride

**Q**

**Quantity Surveying**

GEN 49 Quantity Surveyors' – Excerpts from the Build Energy Smart Training Manual

GEN 54 Quantity Surveying – Understanding Quantification in Delivering Environmentally Sustainable Assets

**R**

**RAIA** – see Royal Australian Institute of Architects

**rail** – see urban (design/planning)

**rainforests** – see biodiversity, policy documents, timber

**raingardens** – see water (passive irrigation and wetlands)

**rainwater** – see water

**rating tools** – see also energy use, post occupancy evaluation

GEN 38 Energy Performance Contracting – An Introduction

GEN 64 Operating a Building for the Next 20 Years

GEN 65 Designing Buildings that Actually Perform

TEC 21 Applying Expert Opinion to Domestic Building Energy Assessment

TEC 22 Indoor Environment Quality, Design, and the Value of Facility Ecology

DES 21 An Introduction to Building Energy Performance Software

DES 33 Building Performance Assessment – The Role in Design

DES 49 Building Services Systems – An Integrated Design

Approach to the Environmental Performance of Buildings

DES 60 Commercial Building Facades – Evaluating Advanced Systems

DES 70 Sustainability Rating Tools: A snapshot study

CAS 22 Energy Performance Contract – Midwestern Area Health Service (MVAHS), New South Wales

**AccuRate**

DES 22 Thermal performance of an energy efficient house in a dry temperate climate

DES 23 AccuRate – Second Generation Nationwide House Energy Rating Software

**ABGR** (Australian Building Greenhouse Rating)

(now known as NABERS energy) – see NABERS energy

**EnergyPlus**

DES 26 Comparing Simulated to Actual Energy Consumption in Two Office Buildings

**Green Star**

GEN 63 Green Star – A User's Perspective

CAS 36 The Integrated Design Process of CH2 (6 Star Green Star)

CAS 45 40 Albert Road, South Melbourne: Designing for Sustainable Outcomes – A Review of Design Strategies, Building Performance and Users' Perspectives (6 Star Green Star)

CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

CAS 51 Santos Headquarters – 5 Star Green Star CBD Office Tower, Adelaide

**guide to miscellaneous tools**

GEN 57 Environmental Design and Assessment Tools – A Guide

**house energy rating scheme** – see rating tools

DES 21 Building Energy Performance Software – An Introduction

DES 23 AccuRate – Second Generation Nationwide House Energy Rating Software

DES 33 Building Performance Assessment – The Role in Design

**for infrastructure**

GEN 78 Building the Tool To Deliver Sustainable Infrastructure Solutions

**life cycle assessment**

GEN 51 Life Cycle Assessment – Application in Buildings

**NABERS** (National Australian Built Environment Energy Rating System) – NABERS energy (was formerly known as ABGR)

DES 79 Drivers of Energy and Water Efficiency in Commercial Office Buildings

GEN 65 Designing Buildings that Actually Perform

DES 26 Comparing Simulated to Actual Energy Consumption in Two Office Buildings

**NatHERS** (Nationwide House Energy Rating Scheme)

DES 22 Thermal performance of an energy efficient house in a dry temperate climate

**national master specification system**

PRO 17 Green Specifying – The Role of National Master Specification Systems Part 1

PRO 18 Green Specifying – The Role of National Master Specification Systems Part 2

**post occupancy evaluation** – see building performance

**SDS (Sustainable Design Scorecard)**

GEN 20 Sustainability Assessment in the Planning Process – a local perspective

**windows, glazing, atria and skylights**

PRO 32 Glazing, Windows, Skylights and Atria – Properties and Rating Systems

**Window Energy Rating Scheme** – see (WERS)

**rating software** – see rating tools

**recycling** – see also materials (timber), toilets (composting), waste, water

GEN 21 Waste Minimisation and Resource Recovery

GEN 30 Project Waste Management Plans –

Costing and Quantifying Construction Waste

DES 25 Green Building

DES 31 Design for Disassembly – Themes and Principles

DES 35 Building Materials Selection – Greenhouse Strategies

DES 37 Energy Systems, Appliances and Equipment

DES 38 Residential Buildings – Retrofitting to Reduce Greenhouse Gas Emissions

DES 39 Non-Residential Buildings – Designing, Managing and Retrofitting to Reduce Greenhouse Gas Emissions

TEC 1 Waste Minimisation – Source Reduction

DES 10 Renewable Energy Generation

PRO 2 Embodied Energy of Building Materials

PRO 6 Chemical Risks in the Built Environment – Reduction Strategies

PRO 11 Renewable Resources – Materials Survey

PRO 14 Polyvinyl Chloride – Products, Use and Disposal,

PRO 16 Durability of Building Materials – An Introduction

PRO 20 Lead Hazards in Construction

PRO 22 Waste Minimisation – A Guide for Materials Selection

PRO 36 Timber Use In Residential Construction and Demolition

CAS 9 Bowali Visitor Centre

CAS 18 Fairweather Homes – Selected Case Studies, Victoria

**stormwater** – see stormwater

**wastewater** – see water (recycling/reuse)

**redevelopment** – see urban (green/grey/brownfield development)

**reference building (computer simulation)**

TEC 21 Applying Expert Opinion to Domestic Building Energy Assessment

**refurbishment** – see also recycling

DES 1 Energy Efficient Design – A Participatory Approach

DES 31 Design for Disassembly – Themes and Principles

CAS 12 Armstrong-Mobbs Sustainable House, Chippendale, New South Wales

**commercial buildings**

GEN 67 Green Buildings and Productivity

**regenerative design** – see design (regenerative)

**regional sustainability**

GEN 39 Ecosystem Services for Regional Sustainability

GEN 43 Salinity in Australia

GEN 70 Liveable Communities – Fostering Sustainable Cities and Regions

DES 51 Catchment Management – Integrated Natural Resource Management

**remote area** – see also building (remote area)

**power supply** – see energy

**sensing and GIS**

TEC 15 Transport, Land Use, Site Planning and Landscape Planning – GIS and Remote Sensing

**renewable** – see energy (generation), materials,

**renewable design** – see design

**renovation** – see retrofit

**reports, declarations and summits**

NOT 3 Brundtland Report (1987): Revisiting the Report of the UN World Commission on the Environment and Development ...

NOT 8 Rio Declaration on Environment and Development residential

NOT 9 Residential Building Baseline Study

**human settlement** – see human settlements

**residential** – see buildings (residential), design (residential site development)

**resource autonomous buildings** – see buildings

**resources** – see also energy, materials, recycling, timber, waste, water  
DES 68 Ecological Design Strategy for the Planning and Development of Healthy Urban Habitat

**assessment**  
GEN 43 Salinity in Australia  
GEN 47 Urban Freight Systems  
TEC 15 Transport, Land Use, Site Planning and Landscape Planning – GIS and Remote Sensing

**efficiency**  
GEN 31 Education for the Next Industrial Revolution – Teaching Resource Efficiency and Effectiveness in Environmental Literacy  
GEN 55 Mental Landscapes – The Forgotten Element in Sustainable Design

**land**  
GEN 17 Urban Planning for Sustainability  
GEN 37 Land Resource Assessment  
GEN 39 Ecosystem Services for Regional Sustainability  
GEN 43 Salinity in Australia  
DES 8 Residential Sites – Analysis for Sustainability

**natural resource management**  
DES 51 Catchment Management – Integrated Natural Resource Management

**retrofitting** – see also cohousing  
DES 38 Residential Buildings – Retrofitting to Reduce Greenhouse Gas Emissions  
PRO 16 Durability of Building Materials – An Introduction  
CAS 37 Prasad House, Randwick, New South Wales  
CAS 45 40 Albert Road, South Melbourne: Designing for Sustainable Outcomes – A Review of Design Strategies, Building Performance and Users' Perspectives  
CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

**eco-retrofitting**  
GEN 4 Positive Development: Designing for Net Positive Impacts  
GEN 6 Ecological Waste: Rethinking the Nature of Waste  
DES 39 Non-Residential Buildings – Designing, Managing and Retrofitting to Reduce Greenhouse Gas Emissions

**reuse** – see also retrofit, water  
GEN 17 Urban Planning for Sustainability  
GEN 30 Project Waste Management Plans – Costing and Quantifying Construction Waste  
GEN 66 Design for Adaptability – An Introduction to the Principles and Basic Strategies  
TEC 1 Waste Minimisation – Source Reduction  
DES 25 Green Building  
DES 31 Design for Disassembly – Themes and Principles  
PRO 17 Green Specifying – The Role of National Master Specification Systems Part 1

**Rio Declaration** – see reports

**risks from chemicals** – see chemicals, contaminated land, indoor environment and health, materials (lead) (polyvinyl chloride)(termites)

**roof gardens** – see green roofs

**roads** – see infrastructure

**Royal Australian Institute of Architects (RAIA)** – see policy

**rubber** – see materials

## S

**salinity**  
GEN 37 Land Resource Assessment  
GEN 43 Salinity in Australia

**sanitation** – see toilets

**SDS (Sustainable Design Scorecard)** – see rating tools

**schools** – see buildings (schools)

**sediment control and erosion**  
DES 52 Erosion and Sediment Control

**SET** – see Standard Effective Temperature

**secondary chillers** – see heating and cooling (chillers)

**sewerage** – see water

**shade/ing**  
GEN 8 Passive Solar Design – The Legal Right to Solar Access  
GEN 12 Residential Passive Solar Design  
GEN 35 Architects and Sustainable Design – A Client Briefing Solar Ultraviolet Radiation – Protective Measures  
DES 6 Daylighting of Buildings  
DES 9 Residential Sites – Sustainable Developments  
DES 10 Renewable Energy Generation  
PRO 3 Windows in Building Design – Energy Impacts  
CAS 6 Design Faculty Building, University of Newcastle, New South Wales  
CAS 12 Armstrong-Mobbs Sustainable House, Chippendale, New South Wales

**shade audit**  
DES 32 Shade Audit – NSW Cancer Council

**share housing** – see cohousing

**sharing** – see cohousing

**sick building syndrome**  
GEN 15 Indoor Environment and Health – An Introduction  
DES 12 Perceived Comfort  
DES 25 Green Building  
PRO 5 Chemical Risks in the Built Environment – A Survey  
PRO 6 Chemical Risks in the Built Environment – Reduction Strategies  
PRO 14 Polyvinyl Chloride – Products, Use and Disposal  
PRO 28 Architectural Coatings – Managing Environmental Impacts

**site** – see design (site)

**analysis/planning**  
GEN 8 Passive Solar Design – The Legal Right to Solar Access  
GEN 16 Environmental Assessment Management Tools – An Overview  
GEN 37 Land Resource Assessment  
GEN 39 Ecosystem Services for Regional Sustainability  
DES 8 Residential Sites – Analysis for Sustainability  
DES 9 Residential Sites – Sustainable Developments  
TEC 15 Transport, Land Use, Site Planning and Landscape Planning – GIS and Remote Sensing

**works**  
GEN 21 Waste Minimisation and Resource Recovery  
DES 9 Residential Sites – Sustainable Developments  
DES 52 Erosion and Sediment Control  
NOT 6 Websites on Built Environment Sustainability – Part 2

**skylights** – see windows and rating tools

**snow**  
DES 3 Design Considerations for the Australian Alps

**social housing** – see cohousing

**software** – see rating tools

**solar** – see also photovoltaic

**access and legal rights**  
GEN 8 Passive Solar Design – The Legal Right to Solar Access  
DES 8 Residential Sites – Analysis for Sustainability  
DES 9 Residential Sites – Sustainable Developments  
DES 12 Perceived Comfort

**aperture**  
CAS 49 Pemberton House, Hobart – Implementing Thermal Design Principles for Housing in a Cool Temperate Climate

**energy** – see energy (solar)

**hot water systems** – see heating and cooling

**passive design** – see design (passive)

**space heating** – see heating and cooling

**specifying**  
DES 35 Building Materials Selection – Greenhouse Strategies

**green, national master specification system**  
PRO 17 Green Specifying – The Role of National Master Specification Systems Part 1  
PRO 18 Green Specifying – The Role of National Master Specification Systems Part 2

**split incentives** – see energy efficiency (policy)

**stack ventilation** – see ventilation (stack)

**stakeholder participation** – see timber (certification)

**standard effective temperature (SET)** – see heating and cooling systems (circulating fans)

**standards**  
ISO 14020, ISO 14025  
PRO 8 Strategies and Resources for Material Selection

**star rating – see rating tools**

- TEC 21 Applying Expert Opinion to Domestic Building Energy Assessment

**state of the environment – see reports****steel – see materials****STEPS – see assessment, rating tools****stormwater – see water****straw bale construction**

- PRO 12 Straw Bale Construction
- CAS 33 Bunton House – Bushfire Case Study, Katoomba, New South Wales

**streams – see water****summits – see reports, declarations and summits****supplementary rooms – see cohousing****sustainability**

- DES 50 Urban Containment and Sustainability and Climate Change
- GEN 68 Climate Change and Sustainability Standard
- GEN 4 Positive Development: Designing for Net Positive Impacts
- GEN 6 Ecological Waste: Rethinking the Nature of Waste

**Sustainability Street**

- DES 18 Cohousing and Rethinking the Neighbourhood – The Australian Context

**sustainable buildings – see buildings****sustainable cities / communities – see communities****Sustainable Design Scorecard (SDS) – see rating tools****systems analysis**

- PRO 7 The Environmental Impact of Building Materials

**systems design – see design (integrated)****T****teaching**

- DES 68 Ecological Design Strategy for the Planning and Development of Healthy Urban Habitat

**technologies – see also, building envelopes, energy (operational), lighting, ventilation**

- PRO 10 Renewable Resources – An Introduction to Building Materials
- PRO 21 Timber Construction for Durability
- PRO 23 Subterranean Termites – Management Strategies for New Buildings
- PRO 30 Timber and Wood Products – Applications

**teamwork**

- CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

**TES (Thermal Energy Storage) – see heating and cooling****TGDM – see tracer gas dilution method****thermal – see also insulation (thermal)**

- comfort – see comfort (thermal), design (comfort), heating and cooling systems (circulating fans), Indoor Environment Quality**
- DES 71 Adjusting Building Thermostats for Environmental Gains – Understanding the Issues
- DES 72 Adjusting Building Thermostats for Environmental Gains – a Pilot Study

**Thermal Energy Storage (TES) – see heating and cooling****mass – see design (passive)****thermostat – see heating and cooling****timber – see also biodiversity, rainforests, LCI**

- TEC 1 Waste Minimisation – Source Reduction
- DES 31 Design for Disassembly – Themes and Principles
- PRO 10 Renewable Resources – An Introduction to Building Materials
- PRO 11 Renewable Resources – Materials Survey
- PRO 23 Subterranean Termites – Management Strategies for New Buildings
- PRO 30 Timber and Wood Products – Applications
- CAS 17 New Directions in Timber – Selected Case Studies, Tasmania, Victoria, New South Wales, Queensland
- GEN 3 Biodiversity and the Built Environment toxic hazards
- PRO 4 Chemical Risks in the Built Environment – An Introduction
- PRO 5 Chemical Risks in the Built Environment – A Survey
- PRO 6 Chemical Risks in the Built Environment – Reduction Strategies
- PRO 20 Lead Hazards in Construction
- PRO 36 Timber Use In Residential Construction and Demolition

- PRO 37 Life Cycle Assessment of Forest and Wood Products in Australia

**certification**

- PRO 33 Timber and Wood Products from Environmentally Certified Forests and Plantations – Overview
- PRO 34 Timber and Wood Products from Environmentally Certified Forests and Plantations – Background
- PRO 35 Timber and Wood Products from Environmentally Certified Forests and Plantations – in Australia

**durability**

- PRO 21 Timber Construction for Durability

**sustainability**

- PRO 15 Timber Resources and Sustainability

**TOD – see transit oriented development****toilets (composting)**

- GEN 18-19 Urban Autonomous Servicing
- CAS 55A Urine-Separation and Dry Composting Toilet Trial – Demonstration in a Secondary School
- CAS 55B Urine-Separation and Dry Composting Toilet Trial – Agricultural Distribution of Residues

**tourism**

- GEN 69 Tourism Architecture in Special Places

**toxic hazards – see also lead, legionella, polyvinyl chloride**

- GEN 15 Indoor Environment and Health – An Introduction
- GEN 32 Contaminated Land
- GEN 34 Urban Air Quality
- PRO 4 Chemical Risks in the Built Environment – An Introduction
- PRO 5 Chemical Risks in the Built Environment – A Survey
- PRO 6 Chemical Risks in the Built Environment – Reduction Strategies
- PRO 30 Timber and Wood Products – Applications

**tracer gas dilution method – see air leakage****training****effect on efficiency**

- DES 79 Drivers of Energy and Water Efficiency in Commercial Office Buildings

**transferable development – see development****transit oriented development (TOD) – see urban (design/planning)****transport**

- GEN 14 2001 State of the Environment Report – Human Settlement
- GEN 17 Urban Planning for Sustainability
- GEN 45 Urban Development, Accessibility and Transport in Australia – Facing the Challenge
- GEN 47 Urban Freight Systems
- GEN 48 Travel Demand Management and Vehicles
- GEN 55 Mental Landscapes – The Forgotten Element in Sustainable Design
- GEN 83 The Costs of Urban Sprawl – Infrastructure and Transportation
- GEN 84 The Costs of Urban Sprawl – Predicting Transport Greenhouse Gases from Urban Form Parameters
- GEN 85 The Costs of Urban Sprawl – Physical Activity Links to Healthcare Costs and Productivity
- DES 8 Residential Sites – Analysis for Sustainability
- DES 16 Transport – Design Strategies, Sustainable Metropolitan
- DES 41 Remote Area Building and Ecologically Sustainable Development
- DES 46 Urban Forms – The Impact of Transport
- DES 58 Urban Freeway Vegetation Design and Management
- CAS 27 Australian Solutions – Selected Case Studies of Sustainable Accessibility and Transport, Melbourne, Victoria; Brisbane, Queensland and Perth, WA

**active (including walking and cycling)**

- GEN 85 The Costs of Urban Sprawl – Physical Activity Links to Healthcare Costs and Productivity

**greenhouse gas emissions**

- GEN 84 The Costs of Urban Sprawl – Predicting Transport Greenhouse Gases from Urban Form Parameters

**impact on urban forms**

- GEN 48 Travel Demand Management and Vehicles
- DES 46 Urban Forms – The Impact of Transport

**land use and site planning – see planning****travel and vehicles**

- GEN 48 Travel Demand Management and Vehicles

**urban freight**

- GEN 47 Towards a Sustainable Urban Freight Systems

**treatment – see water****trees – see timber**

**tree pits** – see water sensitive design

- CAS 47 Water Sensitive Urban Design in the Melbourne Docklands – Raingardens and Bioretention Tree Pits

**tropical climates** – see also buildings (school)

- CAS 41 Filter House, Broome, Western Australia

## U

**UAE (United Arab Emirates)** – see design (for arid climates)

**UHI** – see Urban Heat Island

**ultraviolet light / ultra violet radiation (UVR)**

- GEN 35 Solar Ultra Violet Radiation – Protective Measures
- DES 32 Shade Audit – NSW Cancer Council

**university buildings** – see buildings (institutional)

**urban** – see also air quality

**agriculture**

- TEC 27 Green Roofs – Understanding their Benefits for Australia

**communities**

- GEN 73 Urban Greenfield Communities – Addressing Sustainability in New Developments

**greenery** – see green roofs, green walls

**green/grey/brownfield development**

- GEN 83 The Costs of Urban Sprawl – Infrastructure and Transportation
- GEN 84 The Costs of Urban Sprawl – Predicting Transport Greenhouse Gases from Urban Form Parameters
- GEN 85 The Costs of Urban Sprawl – Physical Activity Links to Healthcare Costs and Productivity

**habitats**

- DES 68 Ecological Design Strategy for the Planning and Development of Healthy Urban Habitat

**design/planning** – see also cohousing, permaculture

- GEN 17 Urban Planning for Sustainability
- GEN 45 Urban Development, Accessibility and Transport In Australia – Facing the Challenge
- GEN 55 Mental Landscapes – The Forgotten Element in Sustainable Design
- GEN 62 Sustainable Communities
- GEN 70 Liveable Communities – How the Commonwealth can Foster Sustainable Cities and Regions
- GEN 72 Planning the Green City
- GEN 74 Metropolitan Planning – Balancing Place and Sustainability
- GEN 83 The Costs of Urban Sprawl – Infrastructure and Transportation
- GEN 84 The Costs of Urban Sprawl – Predicting Transport Greenhouse Gases from Urban Form Parameters
- GEN 85 The Costs of Urban Sprawl – Physical Activity Links to Healthcare Costs and Productivity
- TEC 15 Transport, Land Use, Site Planning and Landscape Planning – GIS and Remote Sensing
- DES 5 Sustainable Design – Architects and Sustainable Design – A Client Briefing
- DES 15 Planning for Transit Orientated Development in Australian Cities
- DES 46 Urban Forms – The Impact of Transport
- DES 50 Urban Containment and Sustainability
- DES 51 Catchment Management – Integrated Natural Resource Management
- NOT 4 Websites on Built Environment Sustainability – Part I
- CAS 15 Newington Village Speculative Housing Development, Homebush Bay, New South Wales
- CAS 25 Urban Water Conservation, Harvesting, and Reuse – Selected Case Studies
- CAS 31 Doncaster Hill Urban Village, Doncaster, Victoria
- CAS 39 Kelvin Grove Urban Village, Brisbane, Queensland

**farming**

- GEN 25 Permaculture Part A – Introduction to Urban Farming
- GEN 26 Permaculture Part B – Principles and Application
- GEN 17 Urban Planning for Sustainability

**sprawl** – see a urban (design/planning) generally above

**Urban Heat Islands (UHI)** – see green walls, green roofs

- TEC 27 Green Roofs – Understanding their Benefits for Australia

**urban freeway vegetation**

- DES 58 Urban Freeway Vegetation Design and Management

**United Arab Emirates** – see design (for arid climates)

**urbanism**

- GEN 71 Towards Sustainable Urbanism

**urine** – see toilets

**user** – see building (user/occupant)

**user controls** – see Indoor Environment Quality

**UV** – see ultraviolet light / radiation

## V

**vapour barriers**

- DES 38 Residential Buildings – Retrofitting to Reduce Greenhouse Gas Emissions

**vegetation** – see green roofs, green walls

- GEN 37 Land Resource Assessment
- GEN 34 Urban Air Quality
- GEN 35 Solar Ultraviolet Radiation – Protective Measures
- TEC 7 Operational Energy Minimisation Technologies – An Overview from the Green Building Challenge 1998
- DES 8 Residential Sites – Analysis for Sustainability
- DES 9 Residential Sites – Sustainable Developments
- DES 14 Water Efficiency – Design Solutions
- DES 20 Arid Climates and Enhanced Natural Ventilation
- DES 40 Planting Guidelines for Public Spaces
- DES 58 A More Sustainable Approach to Urban Freeway Vegetation Design and Management
- DES 66 Vegetation and Habitat Conservation – A Strategic Framework

**ventilation**

- GEN 12 Residential Passive Solar Design
- TEC 2 Natural Ventilation in Passive Design
- TEC 7 Operational Energy Minimisation Technologies – An Overview from the Green Building Challenge 1998
- TEC 12 Ventilation – Emerging Technologies
- DES 2 Energy Efficiency in Commercial Buildings
- DES 36 Integrated Systems Design
- DES 38 Residential Buildings – Retrofitting to Reduce Greenhouse Gas Emissions
- DES 49 Building Services Systems – An Integrated Design Approach to Building Performance
- DES 59 Passive Cooling Building Systems
- CAS 29 Forest EcoCentre, Scotsdale, Tasmania

**arid climates**

- DES 20 Arid Climates and Enhanced Natural Ventilation

**natural** – see facades, windows

- TEC 2 Natural Ventilation in Passive Design
- TEC 7 Operational Energy Minimisation Technologies – An Overview from the Green Building Challenge 1998
- TEC 12 Ventilation – Emerging Technologies
- DES 20 Arid Climates and Enhanced Natural Ventilation
- DES 36 Integrated Systems Design
- DES 38 Residential Buildings – Retrofitting to Reduce Greenhouse Gas Emissions
- DES 59 Passive Cooling Building Systems
- CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

**passive** – see natural above

**stack**

- CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

**vertical wetlands**

- GEN 4 Positive Development: Designing for Net Positive Impacts
- GEN 6 Ecological Waste: Rethinking the Nature of Waste

**vertical vegetation** – see also green walls

**Victorian Government Accommodation Standards**

- CAS 52 Office Building Retrofit at 55 St Andrews Place, Melbourne: Turning a Sparrow into a Peacock

**views** – see Indoor Environment Quality

**volatile organic Compounds (VOCs)**

- TEC 22 Indoor Environment Quality, Design, and Facility Ecology Worth

**W**

**walking** – see transport (active)

**waste and waste minimisation**

- GEN 6 Ecological Waste: Rethinking the Nature of Waste
- GEN 21 Waste Minimisation and Resource Recovery
- GEN 29 Waste Minimisation and Building Design Professionals
- GEN 30 Project Waste Management Plans – Costing and Quantifying Construction Waste
- GEN 31 Education for the Next Industrial Revolution – Teaching Resource Efficiency and Effectiveness in Environmental Literacy
- TEC 1 Waste Minimisation – Source Reduction
- DES 31 Design for Disassembly – Themes and Principles
- PRO 22 Waste Minimisation – A Guide for Materials Selection
- PRO 36 Timber Use In Residential Construction and Demolition
- CAS 18 Fairweather Homes – Selected Case Studies, Victoria
- CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

**management planning**

- GEN 30 Project Waste Management Plans – Costing and Quantifying Construction Waste
- TEC 1 Waste Minimisation – Source Reduction

**water, domestic onsite treatment and reuse**

- DES 24 Domestic Wastewater – On-site Treatment and Reuse

**recovery**

- GEN 21 Waste Minimisation and Resource Recovery
- TEC 1 Waste Minimisation – Source Reduction
- DES 31 Design for Disassembly – Themes and Principles

**zero waste**

- GEN 6 Ecological Waste: Rethinking the Nature of Waste

**WATER**

– see also policies (Aust. Institute of Landscape Architects), black water, passive irrigation, wetlands, greywater

- GEN 14 2001 State of the Environment Report – Human Settlements
- GEN 18-19 Urban Autonomous Servicing
- GEN 41 Sustainable Water Use – An Update
- GEN 43 Salinity in Australia
- GEN 58 Embodied Water of Construction
- TEC 11 Greywater and Blackwater Treatment Strategies
- DES 13 Water Sensitive Design – An Introduction
- DES 14 Water Efficiency – Design Solutions
- DES 19 Stormwater Recycling in Landscapes
- DES 24 Domestic Wastewater – On-site Treatment and Reuse,
- DES 27 Sustainable Water Use – Efficient then Effective
- DES 43 Water – Minimising Use in Landscapes
- DES 44 Stormwater – Strategies for Use
- DES 52 Erosion and Sediment Control
- DES 54 Water and Landscape Design in Arid Climates
- NOT 6 Websites on Built Environment Sustainability – Part 2
- PRO 25 Water Conservation in Buildings
- CAS 12 Armstrong-Mobbs Sustainable House, Chippendale, New South Wales
- CAS 25 Urban Water Conservation, Harvesting, and Reuse – Selected Case Studies, South Australia
- CAS 30 Restoring the Waters Project, Clear Paddock Creek, New South Wales
- CAS 40 Clovelly House, East Sydney, New South Wales

**efficiency**

- DES 79 Drivers of Energy and Water Efficiency in Commercial Office Buildings

**embodied** – see embodied water

**heating** – see heating and cooling (hot water)

**recycling / reuse**

- GEN 18-19 Urban Autonomous Servicing
- GEN 41 Sustainable Water Use – An Update
- TEC 11 Greywater and Blackwater Treatment Strategies
- DES 19 Stormwater Recycling in Landscapes
- DES 24 Domestic Wastewater – On-site Treatment and Reuse
- DES 27 Sustainable Water Use – Efficient then Effective
- DES 44 Stormwater – Strategies for Use sustainable use
- CAS 46 Water Sensitive Urban Design in the Melbourne Docklands – Overview
- CAS 48 Water Sensitive Urban Design in the Melbourne Docklands – Wetlands, Storage and Reuse System
- CAS 55B Urine-Separation and Dry Composting Toilet Trial – Agricultural Distribution of Waste

**sewerage**

- GEN 18-19 Urban Autonomous Servicing

- DES 8 Residential Sites – Analysis for Sustainability
- DES 9 Residential Sites – Sustainable Developments,
- DES 24 Domestic Wastewater – On-site Treatment and Reuse
- CAS 46 Water Sensitive Urban Design in the Melbourne Docklands – Overview

- CAS 47 Water Sensitive Urban Design in the Melbourne Docklands – Raingardens and Bioretention Tree Pits

- CAS 48 Water Sensitive Urban Design in the Melbourne Docklands – Wetlands, Storage and Reuse System

- CAS 55A Urine-Separation and Dry Composting Toilet Trial – Demonstration in a Secondary School

- CAS 55B Urine-Separation and Dry Composting Toilet Trial – Agricultural Distribution of Residues

**stormwater**

- DES 8 Residential Sites – Analysis for Sustainability
- DES 9 Residential Sites – Sustainable Developments
- NOT 6 Websites on Built Environment Sustainability – Part 2

**streams** – see waterways (*below*)

**-ways** – see policy (Australian Institute of Landscape Architects)

- DES 8 Residential Sites – Analysis for Sustainability
- PRO 4 Chemical Risks in the Built Environment – An Introduction

- DES 13 Water Sensitive Design – An Introduction

- CAS 30 Restoring the Waters Project, Clear Paddock Creek, New South Wales

**wetlands**

- CAS 46 Water Sensitive Urban Design in the Melbourne Docklands – Overview

- CAS 48 Water Sensitive Urban Design in the Melbourne Docklands – Wetlands, Storage and Reuse System

**water sensitive design (WSUD)** – see also urban (communities), water (passive irrigation and wetlands)

- GEN 14 The Philosophy and Practice of Water Sensitive Urban Design – Is it Consistent with a Whole System Approach?

- GEN 18-19 Urban Autonomous Servicing

- GEN 41 Sustainable Water Use – An Update

- TEC 11 Greywater and Blackwater Treatment Strategies

- DES 11 Water Sensitive Urban Design – The journey thus far

- DES 13 Water Sensitive Design – An Introduction

- DES 14 Water Efficiency – Design Solutions

- DES 19 Stormwater Recycling in Landscapes

- DES 24 Domestic Wastewater – On-site Treatment and Reuse

- DES 27 Water Use

- DES 43 Water – Minimising Use in Landscapes

- DES 44 Stormwater – Strategies for Use

- DES 54 Water and Landscape Design in Arid Climates

- PRO 25 Water Conservation in Buildings

- CAS 4 Friendly Beaches Lodge, Friendly Beaches, Tasmania

- CAS 5 Nemingha Public School, Nemingha, New South Wales

- CAS 6 Design Faculty Building, University of Newcastle, New South Wales

- CAS 12 Armstrong-Mobbs Sustainable House, Chippendale, New South Wales

- CAS 15 Newington Village Speculative Housing Development, Homebush Bay, New South Wales

- CAS 19 A Tale of Two Campuses, Thurgoona, New South Wales and Sippy Downs, Queensland

- CAS 25 Urban Water Conservation, Harvesting, and Reuse – Selected Case Studies, South Australia

- CAS 40 Clovelly House, East Sydney, New South Wales

- CAS 46 Water Sensitive Urban Design in the Melbourne Docklands – Overview

- CAS 47 Water Sensitive Urban Design in the Melbourne Docklands – Raingardens and Bioretention Tree Pits

- CAS 48 Water Sensitive Urban Design in the Melbourne Docklands – Wetlands, Storage and Reuse System

**websites**

- NOT 4 Websites on Built Environment Sustainability – Part 1

- NOT 6 Websites on Built Environment Sustainability – Part 2

**weeds**

- DES 3 Design Considerations for the Australian Alps

**WERS (Window Energy Rating Scheme)** – see rating tools

**wetlands** – see water (wetlands)

**white certificates** – see energy efficiency (policy)

**whole system design** – see design

**whole systems thinking** – see design

**wild energies**

- GEN 26 Permaculture Part B – Principles and Application

**wind** – see also ventilation

**energy source**

- GEN 18-19 Urban Autonomous Servicing
- DES 10 Renewable Energy Generation

**site planning**

- DES 9 Residential Sites – Sustainable Developments
- DES 64 Wind Farms – Guidelines and Principles for Visual Assessment and Design

**windows** – see also energy use, facades, ventilation

- GEN 12 Residential Passive Solar Design
- DES 2 Energy Efficiency in Commercial Buildings
- DES 5 Architects and Sustainable Design – A Client Briefing
- DES 6 Daylighting of Buildings
- DES 21 Building Energy Performance Software – An Introduction
- DES 23 AccuRate – Second Generation Nationwide House Energy Rating Software
- DES 60 Commercial Building Facades – Evaluating Advanced Systems
- DES 63 Daylighting and Buildings – A Guide
- PRO 3 Windows in Building Design – Energy Impacts
- PRO 9 Comparative Service Life Assessment of Window Systems
- PRO 19 Commercial Buildings – Advanced Glazing Systems
- PRO 32 Glazing, Windows, Skylights and Atria – Properties and Rating Systems
- CAS 2 Solar Energy Information Centre, South Perth, WA

**double opening**

- CAS 50 Australian Ethical Investment Headquarters, 6 Star Green Star Office Refurbishment, Canberra

**Window Energy Rating Scheme (WERS)** – see rating tools**workstation density** – see Indoor Environment Quality**wood** – see timber**Z****zero carbon** – see carbon**zero waste** – see waste