



# CURRICULUM VITAE

**Francis Barram**

*Managing Director*

**Integrated Energy Services Corporation Pty Ltd**



## Academic qualifications

- Enrolled in PhD at Bond University in Property Valuation impacts of building Greenhouse gas emission intensity
- Bachelor of Economics
- Diploma of Electrical Engineering
- Communications Certificate
- Green Star Professional
- Instructor and Skills Trainer
- ABGR Energy Assessor
- NABERS Water Assessor

## Awards

- Australian Energy Efficiency Award 2000
- National Sustainable Energy Award 1999
- National Environmental Award 1999
- National Energy Management Award 1998
- National Energy Award 1996

## Professional Memberships

- Professional Member Economics Society Australia
- Member Australian and New Zealand Solar Energy Society
- Member Australian Communications Society
- Australian Greenhouse Building Assessor
- Australian Ecotourism Society
- Green Building Council
- Centre for Sustainable Design
- Green Globe Design and Construct Reference Group

## Profile

Francis is a leading Australian sustainability advisor. Francis is passionate about debunking the myth that sustainability costs. Through applying economic rigour and strategic, innovative and holistic solutions Francis has demonstrated that world best practice environmental outcomes can be achieved project after project. Francis is an economist with more than fifteen years experience in energy analysis and economic evaluation of sustainability related efficiency projects. Francis has undertaken complex evaluation of environmental issues, energy and greenhouse policy.

## Referees:

**Rod Welford**, Queensland Minister Education M:0419 677 283  
**Ron Clarke**, Mayor, Gold Coast City Council M:0404 892 092  
**Paul Gerlach**, Project Director, LendLease M:0413 612 957

## Professional Work History

- 2003 – Present *Managing Director*, Integrated Energy Services Corporation
- 1996 – 2002 *Managing Director*, GreenElectric
- 1992 – 1996 *Co-ordinator*, Alternative Energy Advisor Group, Department of Mines and Energy
- 1991 – 1992 *Student*, University of Queensland
- 1990 *Senior Policy Advisor*, Department of Environment
- 1989 *Demand Side Management Research Officer*, ENERGEX

## Professional Experience

### **Sustainable Development**

#### **Leading Sustainability Designer**

- Developed ESD development control plan for the award winning 16H Kelvin Grove Urban Village integrated development project, Brisbane.
- Developed ESD development and building guidelines for the Wilton Park Bingara Gorge 1,200 lot residential development at Wilton, SW Sydney.
- Developed ESD development and building guidelines for the Pelican Waters 120 world best practice residential development at Caloundra, Qld Sunshine Coast.
- Developed ESD strategy to achieve world best practice at the \$180M Orion Town Centre Springfield.
- Project managed the development and implementation of economic analysis of ESD in the Green Globe Design and Construct Tool.
- Designed the ESD strategy for the world leading sustainable ecotourism resort, the award winning \$100M unit Couran Cove Resort.
- Developed the world's first building integrated solar interruptible power supply system in an office high rise 120 Edward St, Brisbane.
- ESD consultant for Australia's first 5 star commercial office under the Australian Building Greenhouse Rating Scheme.

#### **Queensland Government Preferred Designer**

- Sustainable energy advisor to Dr John Cole, Queensland EPA
- Sustainable energy and water system design of Queensland and South Australia National Parks including Lawn Hill, Moreton Island, Diamantina & Welford National Parks.

#### **Sustainable Advisor to Government, project developers and the commercial sector**

- ESD consultant for Evandale and Nerang Offices for the Gold Coast City Council
- Exclusive resort development for the Poruma Community Council with Hassell.
- Cairns Government Office Building and Brisbane Magistrates Court for Qld EPA.
- Economist advisor to the Green Globe Design and Construct tool for University of Queensland.

#### **ESD Economist**

- Developed economic model to optimise the use, reuse and treatment of water for the Kelvin Grove Urban Village and the Orion Springfield Town Centre development.
- Developed an economic model to compare the life cycle cost of alternative energy systems and energy management which forms the basis of his PhD.
- Developed an economic model to compare energy efficiency initiatives and grid deferent initiatives for the Qld Department of Mines and Energy.
- Developed an economic model to compare grid supply and remote area supply options for the Couran Cove Resort at South Stradbroke Island. Resulted in adoption of remote area power supply option, saving the resort more than \$4M in life cycle costs.
- Economic analysis of demand side management options, including solar water heating, for the Kelvin Grove Urban Village.
- Evaluated the cost of Community Service Obligations (CSOs) to each of the regions that constitute Queensland in the Queensland Energy Scoping Study.
- Developed economic model and method for comparing grid extensions to Energex's network and energy efficiency initiatives including solar water heating.

#### **Program Development & Management**

- Developed the framework and the policy which formed the Alternative Energy Policy within the Queensland Government's 1996 Energy Policy.
- Authored the ESD Development Control Plan for Wilton Park and Kelvin Grove Urban Village.