

# Community Renewable Energy Toolkit Workshops: Course Design and Content

## Workshop Design

The design of the course was developed based on feedback from a workshop held at the Community Energy Congress in Melbourne earlier this year. Because there is such a large difference in the level of experience and knowledge within community organisations and local governments that are supporting these projects, FIG tailored these courses to reflect this diversity. As a result, we developed the following course modules, which would normally be presented over a continuous 2-day period:

<b>Financial Literacy and Funding for Community Energy Projects</b>
<b>Solar Project Development for Community Energy Projects</b>
<b>Behind the Meter Solar PV Financial Modelling – Basics</b>
<b>*Advanced Solar PV Financial Modelling</b>

**\*Note:** We will also show you how to apply the toolkit to a real world solar project at the Advanced Solar PV Financial Modelling session, which will also include instruction on completing a project prefeasibility study.

The Community Power Agency is also running webinars in October regarding the toolkit:

- 3 October – Financial Literacy
- 10 October – Behind the meter solar

To find out more please visit: [www.cpagency.org.au](http://www.cpagency.org.au)

## Workshop Course Content

The proposed Community Energy Solar Funding Toolkit Training Modules offered by Frontier Impact Group would involve the following elements:

<b>COURSE CONTENT</b>	<b>Financial Literacy and Funding for Community Energy Projects</b>	<b>Solar Project Development for Community Energy Projects</b>	<b>Behind the Meter Solar PV Financial Modelling – Basics</b>	<b>Advanced Solar PV Financial Modelling</b>
Key Financial Terms	X			
Funding Options	X			
Funding Sources	X			
Business Structure	X			
Key Funding Challenges	X			
Why Behind the Meter Solar?		X		
Technology		X		
Scale		X		
Community Engagement		X		
Site Selection		X		
Business Structure		X		
Project Development Resourcing		X		
Resource Assessment		X		
Network Connections		X		
Permitting		X		
Power Sales		X		
Construction		X		
Operating Resources		X		

<b>COURSE CONTENT</b>	<b>Financial Literacy and Funding for Community Energy Projects</b>	<b>Solar Project Development for Community Energy Projects</b>	<b>Behind the Meter Solar PV Financial Modelling – Basics</b>	<b>Advanced Solar PV Financial Modelling</b>
Project Funding	X	X		
Financial Modelling Overview		X	X	
Risk Management Check list		X	X	
Solar PV Case Studies		X		
Financial model components			X	X
Sourcing information for input assumptions			X	
Evaluating financial modelling outcomes for sample project			X	
Scenario/Sensitivity Analysis			X	X
Host Site Benefits			X	
Modelling your own project – facilitated workshop				X
Adapting the model for Grid Connected Solar				X

## Key Trainers



### **Jennifer Lauber Patterson**

#### **Managing Director, Frontier Impact Group**

Jennifer is the co-founder and Executive Director of Frontier Impact Group. Jennifer is a board member of Sustainability Victoria and the Chair of the Board for Yarra Energy Foundation.

She is a specialist in environmental, carbon and energy markets with nearly 30 years of experience in leading these products in the banking and energy sectors. During her time in the energy industry, Jennifer established ANZ's Electricity and Environmental Markets Business and developed National Australia Bank's (NAB) Environmental Treasury Solutions business.

Jennifer's track record within the electricity and banking industries led her to advise and implement corporate governance, and risk management frameworks. She has experience in identifying opportunities in new and emerging environmental markets, execution of transactions in carbon and renewable derivatives, and designing innovative products in emerging carbon and renewable markets. Jennifer has pioneered the development of financial solutions and has been a pioneer in the banking sector contribution to the development of new funding initiatives such as green bonds, energy efficiency financing, environmental upgrade agreement and secured funding arrangements.

Jennifer has also been actively involved in developing and advising on the development of carbon reduction and renewable energy projects under various methodologies and carbon schemes in Australia and globally.



### **Mal Campbell**

#### **Technical Director, Frontier Impact Group**

Mal is a specialist in economic and financial modelling in carbon and energy markets with nearly 30 years of experience in the energy, waste and carbon sectors. Mal has carried out extensive project-based and market-based modelling for projects ranging from emerging trading markets to renewable energy projects and carbon sequestration. His experience incorporates extensive Australian and international projects in countries such as China, Singapore, Philippines, Malaysia and New Zealand incorporating Clean Development Mechanism (CDM) and international carbon trading elements.

With an engineering and financial markets background, he has carried out extensive work for the Australian Financial Markets Association. Mal has tertiary qualifications in Electrical Engineering, Business Administration and Applied Finance.

## About Frontier Impact Group

Frontier Impact Group optimises and commercialises technology and projects that deliver high social, environmental and economic impacts. The strength of our business is our shared value approach, combined with personal hands on experience in banking, energy, carbon and agriculture in small and large businesses.

Learn more at [www.frontierimpact.com.au](http://www.frontierimpact.com.au).

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