# LOCAL ELECTRICITY TRADING FOR A COMMUNITY SOLAR GARDEN

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## A COMMUNITY SOLAR GARDEN - WHAT IS IT?





## WHY A SOLAR GARDEN?

Increases access to renewable energy



Renters

Households/ businesses without suitable roofs

Unlocks potential for new sites



Behind the meter better economics – but sites limited

Many communities and Councils would copy the project



## **HOW DOES THE MONEY WORK?**

(2)

3



Households/ businesses invest in farm

Electricity "netted off" according to share of farm

Time of use basis

If share of solar farm generation greater than house/ business consumption, electricity "exported" and gets FIT

Appears as credit on electricity bill

Under current market rules, network charges will be paid just as they are now – it is just the ENERGY portion netted off



#### THE RETURN ON EACH KWH SOLAR





### **SOLAR GARDEN BUSINESS CASE - MOIRA AND SWAN HILL**





#### **ANNUAL ENERGY COST - OUTCOMES BY INVESTOR TYPE**





## **KEY INFLUENCES ON INVESTOR OUTCOMES**

Generator cost

What you pay for your energy *without* solar

Behind the meter has better return

Not suitable for large business because energy volume charge is low

The more LET electricity you consume on site -> better payback

Challenging while no reduction in network charges

