



AUSTRALIAN  
SOLAR COUNCIL  
THE NATIONAL VOICE OF SOLAR

SOLAR SAVES MONEY AND CREATES JOBS

# SOLAR HEROES

## 5 MILLION

SOLAR HEROES HAVE SOLAR PV  
AND/OR SOLAR HOT WATER



### BECAUSE OF OUR SOLAR HEROES:



Electricity demand is down



Line losses are down



Peak demand\* is down



Blackouts are down



Wholesale electricity prices are down



Expensive network costs are down

\*most expensive electricity

BY 2015/16 SMALL SCALE SOLAR WILL SAVE  
ALL CUSTOMERS MORE THAN IT COSTS

Source: REC Traders Association Report of Electricity Prices February 2014



Average Solar  
PV System:

CUTS POWER BILLS BY  
MORE THAN 65%



Average Solar  
Hot Water System:

CUTS POWER BILLS  
BY 21%



BY INVESTING THEIR OWN MONEY SOLAR HEROES (MUMS & DADS)  
HAVE BUILT AN INDUSTRY AND HAVE:



Invested more  
than \$8bn



Created more than  
18,500 jobs



Supported more than  
4,500 businesses



Constructed a 3GW solar PV  
'peoples power plant'



Helped take 2.8GW  
coal fired generation offline

### BY 2020:

Current solar will reduce emissions by 93,000,000 tons

Same as taking 19,375,000 cars off the road



IF YOU ARE A SOLAR HERO  
— TAKE A BOW

LET'S HELP ALL AUSSIES BECOME SOLAR HEROES

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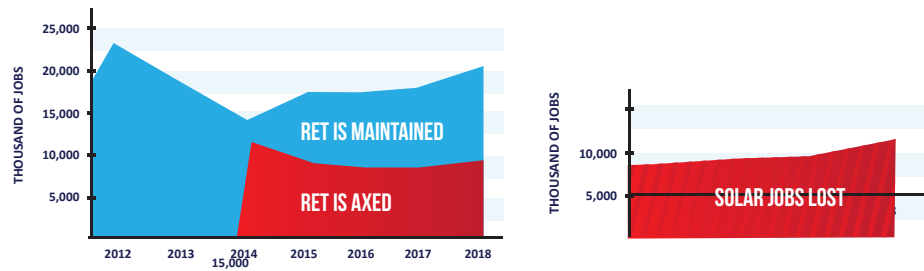
SOLAR SAVES MONEY AND CREATES JOBS

SAVE!

# SOLAR JOBS IN AUSTRALIA

BY 2018 12,600 SOLAR JOBS COULD GO

2 SCENARIOS FOR SOLAR JOBS:



Source: Solar Business Services report for REC Agents Association (2014), Impact of Abolishing the Renewable Energy Target on Jobs in the Australian Solar Industry

IN 2012, SOLAR EMPLOYED MORE AUSTRALIANS THAN OIL AND GAS EXTRACTION, GAS SUPPLY AND PETROLEUM AND COAL PRODUCT MANUFACTURING COMBINED.

Source: Solar Business Services report for RAA, 2014

## SOLAR

23,500 Australians employed



### OIL AND GAS EXTRACTION

15,000 employed



### PETROLEUM AND COAL PRODUCT MANUFACTURING

6,000 employed



### GAS SUPPLY

2,000 employed



Source: Bureau of Resources and Energy Economics, Energy in Australia 2013

## SOLAR JOBS

### UNITED STATES

SOLAR JOBS ARE BOOMING IN THE US

44.5% solar firms to add solar workers

2% solar firms to shed workers

15.6% solar employment growth

Source: National Solar Jobs Census 2013, The Solar Foundation

### AUSTRALIA

IF RET IS AXED

81% solar firms will sack staff

2% solar firms will employ staff

BUT...IF THE RET IS MAINTAINED

60% solar firms who will employ more staff

Source: Australian Solar Council

## SOLAR R&D



26 TAFE and RTOs offer accredited courses in renewable energy.



11 universities offer coursework-based degrees in renewable energy.



18 universities offer research degrees in renewable energy.

Source: Australian Renewable Energy Training and Workforce Strategy for 2020

BY 2018  
12,600 SOLAR JOBS COULD GO

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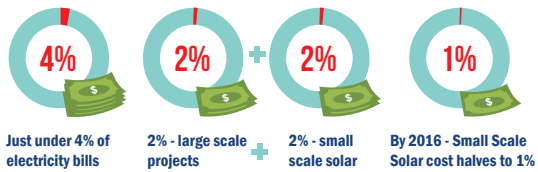


SOLAR SAVES MONEY AND CREATES JOBS

## IN 2015/16 HOUSEHOLD SOLAR WILL SAVE ALL AUSTRALIANS MORE THAN IT COSTS

Source: REC Agents Association Report on Electricity Prices February 2014

### HOW MUCH DOES THE RENEWABLE ENERGY TARGET COST?



Source: REC Agents Association Report on Electricity Prices February 2014

### HOW MUCH DOES SOLAR SAVE?

All Australians save because solar:



BECAUSE OF THIS... IN 2015/16 SMALL SCALE SOLAR  
WILL SAVE ALL AUSTRALIANS MORE THAN IT COSTS

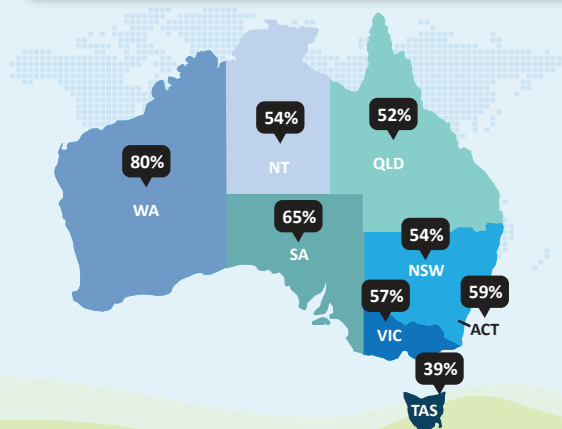
Source: REC Agents Association Report on Electricity Prices February 2014

### WHY HAVE POWER BILLS GONE UP?



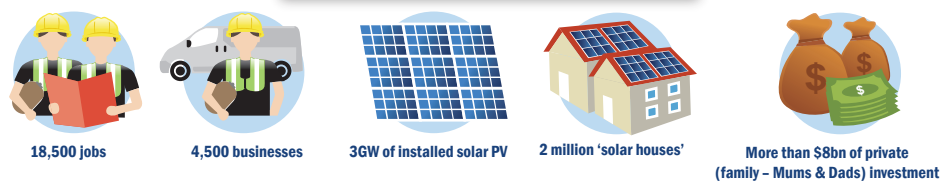
Source: The Australian Energy Market Commission (AEMC) report  
"Possible Future Retail Electricity Price Movements: 1 July 2011 to 30 June 2014"

### A 3KW SOLAR PV SYSTEM WILL CUT THE AVERAGE POWER BILL BY:



Source: Australian Solar Council SolarPlus database, Australian Census 2011

### WHAT HAS SMALL SCALE SOLAR DELIVERED?



Source: Australian Solar Council

SOLAR SAVES EVERYONE MONEY AND CREATES JOBS



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