

Power your own world

McNae Electrical Solutions
Your local Solar experts



ELECTRICAL SOLUTIONS

CELEBRATING

30

YEARS

OF EXCELLENCE

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What is Solar Power?

PV (photovoltaic) panels convert energy from sunlight into electricity. McNae Electrical Solutions has a solar system that will generate your own electricity to power your home or business throughout the seasons, year after year.

Why choose McNae Electrical Solutions?

- The largest installer of solar in Manawatu, Tararua and Horowhenua.
- A local family-owned business that can be trusted with over 30 years of service—including extensive solar experience.
- A custom designed solution by a registered electrical engineer tailored to your power usage—including full shading analysis if required.
- We design and install all types of Solar PV systems—grid connected, off grid, or hybrid with batteries.
- As professionals, we maintain strict quality standards using only the best equipment, with full compliance to New Zealand standards and the Building Code.
- We use registered electricians for all installs—and are members of the Sustainable Energy Association of New Zealand (www.seanz.org.nz).
- We project manage from beginning to end including obtaining network approval, arranging meter changes, certification and inspection.
- A total peace of mind warranty that includes management of all manufacturer's warranties on your behalf.
- We put our customers first—small enough to care, yet large enough to handle any size commercial installations.
- We operate with integrity, helping you choose the system that is right for you, providing personal service every step of the way.

Yes, we supply and install solar PV. But we also back that up with the experience and expertise required to implement any electrical work you may require. Our name says it all—we have the solutions to all your electrical needs—residential, commercial, farm, and industrial.



Solar panels are guaranteed to still be producing 80% of their power after 25 years. The benefits are long term.

McNae Electrical Solutions is the largest installer of solar in Manawatu

Hundreds of satisfied customers means you can trust us with your install

How much will I save?

You save money in three ways:

- 1 you will use less electricity from the grid
- 2 you will be paid for excess power generated
- 3 sophisticated monitoring helps you be more energy efficient

Most systems completely repay their initial cost within 10 years. After that it's all money in the bank. Solar Power savings equate to a tax free return on investment. And because solar panels last for decades, houses with solar installed can command a premium in resale value. It makes great financial sense! The price of solar panels has recently dropped considerably, so there is no better time to invest.



Why choose solar power?

- Energy from the sun is free!
- Dramatically reduce your electricity bills
- Secure predictable energy costs for years to come
- Improve the energy efficiency of your home or business
- Reduce your carbon footprint
- Virtually maintenance free - no noise or moving parts
- Increase the value of your property

How does it work?

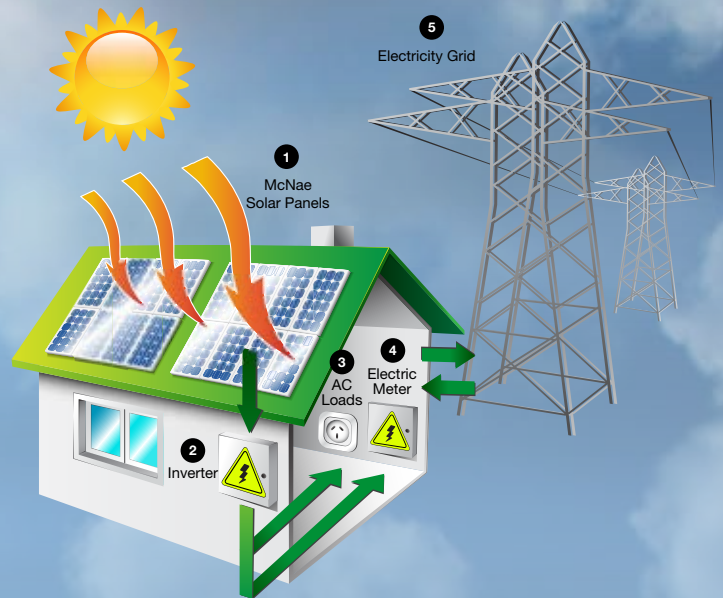
Solar PV panels are installed on your roof or on a ground-mounted frame. The panels are mounted on special rails that fix directly to your roof with weatherproof brackets. A series of roof-mounted inverters (one per panel) or an inside wall-mounted inverter, convert the solar generated DC energy into 230v AC which is fed into your house switchboard and then to the electricity grid. Your electricity retailer will install a special import-export meter that measures the electricity you use and the excess electricity you generate that you don't consume. This excess is sold back to the retailer. When you are not generating enough electricity you draw power from the grid.

Batteries can be added to increase the self-consumption of your own generation or to give security in the event of a power cut.

McNae Electrical Solutions will design your Solar system and provide an obligation-free quote



ELECTRICAL SOLUTIONS



Solar panels generate electricity in all weather. It is not heat that generates electricity, but light. The system continues to operate even in winter.

What is the process?

- We call to discuss your options
- We design your system and provide an obligation-free quote
- A 10% deposit is paid
- We prepare all the paperwork, obtain Network company approval and order a meter change from your electricity retailer
- We install and commission your system
- The system is tested by an independent electrical inspector
- We provide full documentation, explain how it all works and settle the final invoice

Will my roof be suitable?

If you have a roof that is not shaded, then yes, it will be suitable. We can install on sloping or flat roofs with any type of roof cladding. We can even incorporate panels into garden structures.





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Our team of qualified electricians, electrical engineers, electronics technicians, apprentices and support staff has the experience to meet all of your electrical and electronic needs across residential, commercial, industrial, lifestyle and farm.

A WEALTH OF EXPERIENCE



Clayton McNae
Managing Director



Martin Diprose
Solar Engineer



Testimonials



At first we were a bit nervous about the whole idea of solar. We contacted Martin from McNae Electrical who was very pleasant to deal with and took the time to find out what we really needed rather than just offering a "one size fits all" solution. The installation of our system was seamlessly easy. McNae Electrical Solutions showed up exactly when they said they would, the estimate was accurate and the workmen doing the job were professional and pleasant. The communication from start to finish was superb including the closing out paper work. The savings we have made have been in line with what was indicated and it is no longer a stress to receive the monthly bill. Installing solar is a significant investment, therefore selecting a company who are reliable, knowledgeable and trustworthy to work with you through the process is critical. We found McNae Electrical Solutions to be all of these things.
Mr & Mrs Anderson, West End



We had been interested in the potential of solar generated electricity for many years. We provided information on our electricity usage and McNae then gave us a free appraisal as to whether photovoltaics would work at our property. Once we accepted the quote, it was only a matter of weeks before Martin from McNae and his team were installing the panels on our roof. The work that McNae Electrical did for us stood out as exemplary and their professionalism meant that we have no hesitation in recommending them. Now we would not consider living in a house without the ability to generate our own electricity.
Patrick & Amanda Biggs,
Palmerston North



OTHER THINGS WE DO:

- Full residential, commercial and industrial electrical design and installation service
- Repairs and maintenance with 24 hour call out service
- Lighting upgrades
- Solar swimming pool heating
- Thermographic imaging inspections
- Automatic gates
- Commercial door systems
- Portable Appliance testing and tagging
- Vehicle hoists
- Industrial automation
- Generator installation and hire
- Power factor correction
- Alarm systems & security cameras
- Irrigation, dairy sheds, and farm systems
- Electronic and scientific equipment servicing
- Multimedia and projection systems

We supply and install solar systems across the lower North Island.



Sustainable Electricity
Association New Zealand



Contact us to request a quote or discuss your requirements.

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