



POWER YOUR OWN WORLD

McNae Energy and Solar
Your local Solar experts

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CELEBRATING
30
YEARS
OF EXCELLENCE



What is Solar Power?

PV (photovoltaic) panels convert energy from sunlight into electricity. McNae Energy and Solar will custom design a solar system that will generate electricity to power your home or business throughout the seasons, year after year.



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.



Why Choose McNae Energy and Solar?

- We only use premium products with long warranties.
- We are the largest installer of solar in Manawatu, Tararua and Horowhenua.
- You get a local family-owned business that can be trusted with over 35 years of service and experience.
- We custom design your installation with our registered electrical engineers to suit your specific property and electrical consumption patterns.
- We then install it with our professional team of electricians.
- We design and install all types of Solar PV systems—grid connected, off grid, or hybrid with batteries.
- We are members of the Sustainable Energy Association of New Zealand. This is your guarantee that we work ethically within industry best-practice guidelines.
- We project manage from beginning to end including obtaining network approval, arranging meter changes, certification and inspection.
- 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.
- With over 35 years in business, you can be sure that we will be around to provide ongoing after sales service and advice for the life of your system.

Most residential systems completely repay their initial cost within 8 - 12 years. For commercial systems it can be under 5 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 can last for decades, properties with solar installed can command a premium in resale value. It makes great financial sense!



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



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.
- Increase the value of your property.
- Get a better return on investment than keeping your money in the bank.



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 micro inverters (one underneath each panel) or a larger wall-mounted inverter convert the solar generated DC energy into 230v AC which is fed into your switchboard powering any loads that are running at the time. If there is more generation than you can use, the excess can charge batteries for later use at night, or it will flow back to the grid as exported power. Your electricity retailer will install a special import-export meter that measures the electricity you use and the excess electricity you export. This excess is sold back to the retailer. When you are not generating enough electricity you draw power from the grid just like normal. If you add batteries you can increase the self-consumption of your own generation and get backup power in the event of a power cut.

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



Expert Team

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

McNae Energy and Solar will design a Solar system that perfectly matches your goals for solar and will provide a comprehensive proposal and obligation-free quote.



Clayton McNae
Managing Director



Martin Diprose
Solar Engineer



Claire Lyne
Solar Operations Manager

Testimonials

From the beginning when we were gathering information about solar, right up to now when we are saving so much on our power usage. Claire was great at communicating on what is required, keeping us informed at each stage and notifying us when things were to happen. Martin has been a wealth of information. The team did a superb job on the installation and the panels look great. We are also very much enjoying the online component to check on how much wattage we are producing - good fun.

- R. Mead-White

The whole experience of installing solar in our home was seamless. Throughout the whole process we were impressed with the work ethic and teamwork of the installation team.

- B & C Wells

Our Other Services

- Full residential, commercial and industrial electrical design and installation service.
- Heat pump and air conditioning design and installation—including hot water heat pumps for swimming pools.
- EV charger supply & installation.
- Repairs and maintenance with 24 hour call out service
- Lighting upgrades.
- Automatic gates.
- Generators.
- Irrigation, dairy sheds, and farm systems.