

Becoming a Solar Powered School



- Understanding how your school consumes power
- Gaining full control through energy use data
- Reducing your operating expenditure
- Educating the next generation about renewable energy



SKYSOLAR
It's your roof... your free solar energy

Understanding how your school consumes power

Most schools simply get a power bill every month from their provider. One dollar figure, one total power reading. This can make it hard to determine which areas of your school consume the most power, and at what time of day. Some smart meters and new technology from power providers allows some monitoring of power use, which helps to some degree.

For total power transparency, you need to implement a system that measures and reports power usage. From there, we answer how energy from your new solar power plant is best used to meet those power demands, and reduce your power bills. SkySolar offer this as well as the standard solar equipment of panels, inverters and batteries.



Gaining full control with energy-use data

SkySolar offer solutions that arm you with knowledge about when and where your power is being used. As part of our initial consultation, we will gain an understanding of your current power usage in order to specify the best solar solution for you and your school.

SkySolar offer solutions that can measure your power usage in property zones, individual buildings, and even individual appliances or machinery. All with a real-time digital dashboard. Our solutions can also automate power usage when excess solar power is available. For example, automating the use of certain appliances (deep freezers, pool pumps, etc) or machinery in the middle of the day.

What that does is automate parts of your school to use power only when free, zero emission solar energy is available, further reducing energy bills.



Reducing your operating expenditure

SkySolar offer grid-tied, hybrid (battery storage), and off grid solutions to suit your requirements. Each option reduces your grid-sourced energy use to a certain degree. Grid-tied systems are the most cost effective to install, and export excess power to the grid. Hybrid systems store excess power in batteries for use at night or during a power cut, further reducing your reliance on the grid, with a higher install cost to account for the batteries.

Considering solar for your school is largely a calculation of return on investment. Choosing to power your school with solar is an investment that can be measured by dividing your total install cost by the yearly power savings it generates, giving you a pay-off period. After which it's all cost savings - money in your pocket.



Educating the next generation about renewable energy

We're all pretty lucky to live in New Zealand. The country known for its clean, green image needs adopters of renewable energy to keep it that way. With a SkySolar system installed, as long as the sun rises, you'll have a zero-emission source of power. Solar energy is one of our most abundant natural resources... Why not harvest it?

Case Study



Riverview School, Kerikeri

Kerikeri's Riverview School has approximately 420 students in Years 1-6 and has nine blocks – made up of 18 classrooms, a school hall, a swimming pool complex, and an administration block.

Riverview has become the first school in New Zealand to utilise the PowerGenius energy management system offered by SkySolar, after installing a 51 panel SkySolar system earlier this year to help save money on its power and to educate children about power conservation. The system developed for Riverview enables the students to analyse and compare power used by the day, the week, the month and the year across each block of the school.

“Riverview School's 'Going for Green-Gold' initiative helps inspire our students to protect the environment and conserve energy at our school. We

knew starting out, however, that a big difficulty in conserving energy and reducing spend was that we really had no idea where our power was being used.” - Riverview School Board Chairperson, Gerry Buxton.

System Details:

14.54kW Solar System with Micro Inverters and Power Genius

51 x 285W Trina Honey Plus Solar Modules

51 x S270 Enphase Micro Inverters

Power Genius Energy management System



See the system

Check out a video of the 14.5kW SkySolar system on our website:

www.skysolar.co.nz/installs-reviews/school-installs/

About Us



Who we are

End-to-end solar solution specialists helping smart kiwi homeowners and businesses to harness the solar energy hitting their property.

Who we aren't

An energy company trying to look eco. A finance company looking to sign you up to a solar contract, or a solar manufacturer trying to flog our own branded products. We're not experts in carpet, insulation, heat pumps or anything else, we're experts in solar.

Our Ethos

Your energy use and requirements aren't the same as everyone else's. Our solar installations are designed to fit your power needs. We don't do solar based on specials or run out deals, we do solar based on what's best for you.

Specialist Experience

SkySolar is a privately (kiwi) owned solar business based in Auckland with licenced installers throughout the country. Some of our Directors and staff have over 20 years experience in the solar industry. Throughout our whole process from the first handshake to the last, there are no sub-contractors or parties outside of SkySolar that handle anything. What that means, is accountability and dependability. We're proud of our team and proud to take great care of our customers.

Contact

Get in touch and we will be happy to offer a free, no obligation assessment of your unique power needs and goals, followed by a competitive proposal and quote.

You'll have our full support during the initial consideration process to ask us any questions you may have and back up any claims we make with data and case studies.

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