

Renewable Energy Solutions for YIN, TENANT IN A HOUSE



Smart Energy Future

YIN WANTS TO:

- Lower her electricity bills
- Use clean energy
- Have more control over her energy use and supply

CURRENT OPPORTUNITIES:

- Contact her landlord/property manager to get solar panels installed
- Switch to a carbon neutral electricity account
- Buy renewable energy
- Invest in community renewables

OTHER COST SAVING OPPORTUNITIES:

- Change old lights to LED with smart controls
- Buy energy efficient appliances
- Adopt energy efficient practices when operating appliances and equipment
- Always improve efficiency of building before installing solar electricity
- North Sydney Council will pay for energy audit to determine best options (for local LGA)

NEAR FUTURE OPPORTUNITIES:

- Participate in peer-to-peer energy trading and buy energy from renewable sources
- Contact her landlord/property manager to increase the size of the solar array and install battery storage. More than 400 new batteries are being installed in Australia every week, with numbers increasing exponentially. Innovative solutions are improving the business case even further.

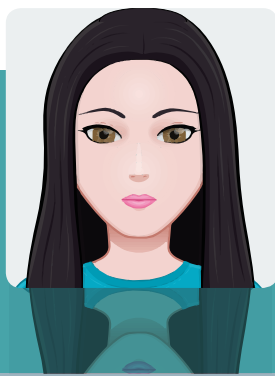
WHO CAN HELP YIN?

- Solar PV:
Reputable solar installers (e.g. approved by the [Clean Energy Council](#))
- Metering and billing solutions:
Providers like [Sun Tenants](#), [Wattwatchers](#)
- Community renewables:
Community renewables are explained in this [article](#). Contact groups such as [Community Power Australia](#), [ClearSky Solar Investments](#), [Enova](#) or [Solar Cloud](#).
- Incentivising renewable energy on an international scale:
Solutions like [SolarCoin](#), [NRGcoin](#)
- Purchasing renewables:
[GreenPower](#) can be purchased through electricity retailers or other providers such as [Climate Chest](#) (GreenPower® is tax deductible if purchased through a community organisation such as Climate Chest)
- Carbon neutral electricity suppliers such as [Energy Australia](#), [Powershop](#), [Energy Locals](#)
- Energy efficiency measures:
Reputable products and installers, [energy ratings of appliances](#)
- Independent assistance:
Our Energy Future helpline: 1300 339 915
Council's sustainability team: 9336 8100, Council's [Green Events](#) program [Renew Energy Consult](#)
- Compare energy offers at [EnergyMadeEasy.gov.au](#)
- Compare the environmental performance of electricity retailers at [www.greenelectricityguide.org.au](#)

Download these fact sheets on the "Smart Energy Future" homepage to be able to click on links directly.

HELPFUL ONLINE INFORMATION:

- [Renew](#)
- [Guide to comfortable and sustainable homes](#)
- [Renew Economy online publication](#)



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for
Rent

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Electricity from solar and wind farms is now cheaper than from new gas and coal-fired power plants.



Renewable energy can be bought from any address.



Roof space is best dedicated to solar electric panels in preference to hot water systems, as the benefits will be greater.



Electric cars can be charged and fuelled by solar electric panels, which uses local renewable energy rather than importing fossil fuels.



100% renewable energy can be achieved by disconnecting from gas and switching all appliances to electricity powered from renewables.



Typically, over 10 years, solar PV costs are between half or a third of grid-supplied energy costs.



Solar and Batteries reward their users and provide benefits to the national electricity network. Distributed generation increases grid resilience and reduces the need for network investment.



Both reverse cycle air conditioning on heating mode and hot water heat pumps produce renewable energy from the outside air, both at night or in the shade.



If there is both gas and reverse cycle air conditioning available, using the air conditioner on heating mode will reduce heating costs by around one third, and reduce emissions.



Typically, in combination, rooftop solar electricity and hot water heat pumps deliver one of the cheapest hot water solutions. Storing solar energy in hot water systems is the cheapest method of energy storage.

Did you know?

- North Sydney Council uses renewable energy in many of its buildings because of the cost benefits, including solar electricity, solar hot water and heat pumps for space heating and hot water.
- North Sydney Council purchases 50% GreenPower for its six largest sites.
- North Sydney Olympic Pool has heat pumps which deliver 750kW of renewable energy, costing half as much to run as gas boilers, and a 100kW solar hot water system for pool heating.



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