



SOLAR IN TASMANIA:
THE 3 BIGGEST MISTAKES TO AVOID
And What You **NEED** To Do If
You Already Have Solar Installed!

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A Message For You

To the solar enthusiast reading this today, this report is for you!

Did you know some of the biggest mistakes are made prior to committing to solar and have nothing to do with the solar system at all?

Crazy as it seems, it's true! So, it's important to understand these points before you go ahead... and, luckily, we've got three of the biggest things you need to know right here in this short report to make it easy for you.

You see, solar is a major financial investment, and it's an amazing way to generate free energy as you may already know...

... but it's not the first or only step you need to go through before installing a solar system.

Now, before I go any further, I think it's only right to introduce myself and explain why you should listen to anything I've got to say...

About Us

Hi, my name is Peter Davidson a director at 42 Energy Street, and the team and I have been helping Tasmanians just like you over the past 39 years figure out:

- * how to properly reduce their energy bills
- * make the most out of an existing system
- * or fix systems that were improperly sized (basically, installing the wrong system for your energy needs)

It's the exact reason why we created Tasmania's first and only Energy Hub, to help you touch, see, and feel the difference our energy saving solutions could have for your home.

At 42 Energy Street, we've got some exceptionally experienced, long-serving staff who are familiar with all the quirks that Tassie living can have on your solar systems. In

fact, people often take the effort to visit our Energy Hub on the weekend to ask questions about solar and to really see and understand how it could work for them.

It's also why we think we're qualified to help you with your smart decision into renewable energy and solar. In this free report, we're going to look at the three things you need to know.

So, let's jump right into it and look at number one...



1. Not Knowing What Kind Of 'User' You are

Here's a question most of us never really consider... what kind of user of power are you?

And by this I mean:

... are you a day time user of power or a night time user?

... do you have a household that is home during day or just weekends?

... are you a shift worker with power usage out of the 'norm'?

... how many children are using devices and how many devices do you have?

... do you have a pool, and when do you run the pump or filter?

... do you have an electric vehicle?

... and so on!

It takes a lot of thinking to figure out your actual energy requirements and when considering solar, you've got to realise that a change of habits may be in order to get the most out of it. Many people don't realise that solar isn't unlimited energy whenever they want it. That's partly in thanks to the over-promising solar salesman, or the uninformed friend, who helps make these kinds of claims popular and help them spread, too. So, let's have a 'deeper' look at all this...

In Tasmania, we have at the time of writing this report, one single retailer of domestic power, Aurora Energy who supplies homeowners and businesses with all the power they need. To do this, Aurora charges you a supply use and an energy usage fee.

Supply charges are a fixed daily rate and energy usage charges are simply based on the amount of energy used. All of the charges are based on the following main tariffs:

Tariff 31 – Light and power

Tariff 41 – Heating and hot water

Tariff 93 – Time of use

Solar energy generated from panels can only be applied to the energy usage of one tariff, unless another system is installed. Most people apply their solar to tariff 31 – light and power, because it helps to reduce energy bills without much effort on your part once the system is installed.

Now, you can install another system, and apply it to another tariff, but the total systems



sizes are limited (10kw single phase currently) based on your local Network and Building Code regulations. Most people are not aware of this.

Currently system sizes for residential are limited to under 10 kw for single phase – this may be reduced in the future to less kw total installed.

Any system above this may need to be a 3 phase system, which can be cost prohibitive.

This is the main reason most people don't install more than one system when starting out with solar.

Tariff 93 – Time of use, is another popular choice, but only for those who are disciplined with their power usage or have batteries installed, because energy costs can skyrocket if you use power that's not supplied by your solar system.

And, as we already know, solar is only generated when the sun is shining i.e. during the day, which means late afternoon and evening power usage isn't covered by your solar panels, so it's easy to get this all wrong on tariff 93 and end up paying more on your next electricity bill than you were paying previously. There are exceptions to this of course, and we can show you how these exceptions may apply to you.

So what this means... understand how you use energy throughout your week and you'll find the whole process of choosing the right tariff and system simple. The team here at 42 Energy Street are also happy to help, because we know this can all be a bit confusing and at the end of the day, you don't want to know tariffs and systems, you just want lower energy bills and the knowledge that you're helping the environment out at the same time.

2. Not Properly Finding Out How Much Energy You Could Actually Save

So, once you've thought through your energy usage (or simply called us on 1300 042 000 to show you the simple way of figuring all this out) it's time to think about your potential energy savings!

We've seen so many people do this wrong (or skip it entirely) and end up with a solar system that doesn't make any sense for their energy needs or budget... and, it doesn't save them as much energy as they could've saved (which means their bills are more expensive than they could've been)!

It's actually not too tough either, and if you just want to have someone do it all for you, simply make an appointment with the team at 42 Energy Street and we'll sort it out for you for FREE. We just ask that you bring some past electricity bills and make a note of how you use your energy, just like step 1.

But, if you want to do it yourself, we think the best way to do it is by reviewing these 6 steps:



Kelvin Madden

"Not only did Peter save me from scoundrels who wanted to overcharge me by \$6000 more than the quote Peter provided, my power bill has dropped by around \$500 per quarter. My system will pay for itself in no time, they are now helping me with my tariffs to see if further savings can be made. Couldn't be happier. I recommend 42 Energy Street to anyone who wants great service and people who really want to help you."

1. Habits

Can you save energy by using some appliances during the day while your solar is generating power rather than during the evening? Simple things like this can often mean large increases in potential energy savings.

2. Tariffs

There's a huge range of energy tariffs that could mean a better energy savings for you if you were to switch. As an example, if you find you're on tariff 61 or 62 – Off-peak,, you're most likely running up daily charges without using any energy at all!

Because there are so many possible tariffs, it's often easier to simply contact us and we can go through an assessment with you for free. There are more details on how you can claim your 42 Energy Street Evaluation System below.

3. Thermal Imaging & Assessments

A key in being energy efficient is to ensure you don't suffer from heating loss or inefficient cooling. This is mostly caused by old, poorly installed, or simply a lack of, insulation.

A thermal imaging assessment can detect for areas of energy loss, and areas of hot/cold pooling. Typical culprits include drafty doors or windows 'leaking' heat. This is a simple way to discover where you're using and losing your energy! You can even see thermal imaging in action at our Energy Hub—Tasmania's only working showroom for solar and related solar products!



4. Lighting

Are you using the most efficient LED's? They can save a surprising amount of money, using 85% less energy than a 'normal' energy guzzling halogen bulb. To put that into perspective, you can replace a 50-watt halogen bulb with an energy sipping 7.5-watt LED bulb, and get the same level of light!

5. Heating & Cooling

If you've got an old electric heating or cooling system you could enjoy massive savings by simply updating it! The same can be said for changing your form of water heating too. So, even if you've got a heat pump or air conditioner installed, if it's over 7 years old, chances are pretty high that you could achieve a savings of an extra 40% on your heating and cooling bills!

Hot water heating has especially advanced, with thermal solar heat pump hot water able to save you up to 85% on your hot water costs. And regular heat pump hot water isn't too shabby either, saving you up to 65% or more. But, it doesn't end there! You can increase these savings even more depending on what tariff you're connected to—so if this is all a bit too confusing, just give us a ring already on 1300 042 000 to organise a time to pop in and see the team!

Now comes the part most people just want to jump right into...



3. Getting The Right Sized Solar System

Once you've figured out your energy savings, you're ready to look at the size of solar system to consider for your needs.

This should only be done with a local company to ensure ongoing local support, assistance, and of course, knowledge. A local installer who's able to meet you face-to-face and take you through the whole process, explaining how each product works and how they're used in

a system is the safest option for enjoyed use for years.

With us, our 42 Energy Street Evaluation System takes you through the following steps... and did we mention it's FREE and you can book easily on our website here: www.42energystreet.com.au if you're interested? So, here are the steps:

ONE

Figure out what your current energy needs are and then discuss what they could look like in the future. This will help determine the size of your system to ensure you don't get something that's way too big for your needs, or far too small to help your energy bills out.

TWO

Have a chat about monitoring and battery systems, plus whether it's necessary for your system. Questions like how does it work and how it actually benefits you are all answered at this point. In fact, most people find that visiting our Energy Hub is a great way to get your head around monitoring and it's uses in real-time.

THREE

You'll then get a detailed report and analysis of your projected solar generation, the savings you could make, and the actual return on your solar investment. We find people love this part of the assessment because you'll also see what the solar system will look like on your roof!

We go through placement, panel sizes, aesthetics and a range of other questions like if there are any large trees that could cause shading issues. We also book a site visit for further assessment. We're thorough because many things can affect solar power generation, but we find our full 42 Energy Street Evaluation System provides you with a system designed to suit even the hardest of environments.

FOUR

You'll then get an understanding of how you go from the assessment to installation and commissioning. This is followed by a quick overview of our after-sales service support and the maintenance of your system. Your 1-Month, 3-Month checks, and ongoing support are also explained to you—and why it's important to keeping your solar system working properly and helping reduce your bills and your emissions.

Continued...

So, this is the process we follow when finding out the right size system for your needs, whether that's for a family home or a business.

The most important thing to realise with the team at 42 Energy Street is that once you've got your system, you'll have the same person assisting whenever you have questions or if you need servicing and maintenance. You don't need to explain a million times to someone what system you've got, you simply contact us and the person who went through the assessment and installation with you will get your message and understand what you're going through, and of course, the best way to get you back on track!

Too often we see people who've fallen for the 'bigger is better' mantra, and it's just an outright lie! If you've got a system that's outrageously over your requirements, you've been swindled and oversold!

Do your best to understand what size is suitable for your needs, or simply give us a call. We don't stand for that sort of 'sales' behaviour and we'll call it out whenever we come upon it.

**Dr Zheng**

"Very happy with their services (42 Energy Street). Fast response, I called Peter on Sunday and asked for help. Peter came to check on Monday and my Mitsubishi Electric heat pump was installed on Wednesday same week."

Now What?

I hope this report was helpful and made you more aware of how solar can help you and importantly, what not to do when considering it for yourself.

It's here that I'll note you should always deal with a local. A local company, with local people, and the face-to-face support that you deserve. Not just a phone call from an overseas call centre who decides for you in a couple of minutes, or a door-to-door salesman from a mainland company that has no idea how things really work here in Tasmania.

Remember, you need an assessment of your electrical needs, usage, and loss. There isn't a 'one size fits all' approach here, unfortunately and anyone that says otherwise doesn't understand what

they're talking about and may be trying to rip you off... watch out!

Also important to note is that a package price with one provider, who handles all of your requirements from sourcing to servicing, could save you thousands of dollars and help you handle any possible government rebates!

And, lucky for you, 42 Energy Street is the one-stop-shop dedicated to reducing ALL your energy costs.

So, whether you're a homeowner or a business, now's the time to 'break free' from the big energy retailers and take back control, helping you save money and reduce your carbon footprint at the same time.

Just like the thousands of other Tasmanians we've helped over our 39 years in the electrical industry, we can also help you reduce your power bills and allow you to spend money on the other things that are important in your life. If you're like most people, you probably aren't aware of how much you could actually save each month—until you visit our state-of-the-art Energy Hub.

Through our unique 42 Energy Street Evaluation System, you can see how the latest energy saving solutions really work and how easily you can use them in your own home without sacrificing on comfort or cost—and best of all, it's completely FREE!

Because we only recommend the right system for your situation, along with our 5-year installation warranty, it's no wonder more Tasmanians are choosing 42 Energy St when they want to reduce their electricity bills quickly and easily.

At 42 Energy Street, we're Streets Ahead in Energy Saving Solutions!

1. See real-time energy-saving demonstrations at our state-of-the-art Energy Hub
2. Quickly understand what system you need for your current and future energy needs
3. Finally take back control of your energy bill and have 'extra' money each month
4. Simple payment plans and even Zero-Deposit Financing is available, so you can start today
5. Government rebate friendly, so you can save \$1000's
6. Easily reduce your carbon footprint and help Australia's environment

Perfect if:

7. You're looking to reduce your ongoing monthly expenses
8. You already have a solar system but want a high-tech monitoring system or battery
9. You're a business with large day-time power usage

Confused? We Make It Easy Here's How:

If you're wondering where to start, what system is best for you, or even if solar would work for your home, take a deep breath because we can help.

We've been helping Tasmanians just like you over the past 39 years figure out how to properly reduce their energy bills, make the most out of an existing system, or fix systems that were improperly sized.

It's why we created Tasmania's first and only Energy Hub, to help you touch, see, and feel the difference our energy saving solutions could have for your home.

Most importantly, we make it easy.

Through our unique 42 Energy Street Evaluation System, you'll quickly find out how much you could save each month, plus learn what system would be right for you based on your current energy usage and what you think you'll need in the future. All you need to bring are some past electricity bills and you'll have an answer in minutes!

And better yet, included with your custom 42 Energy Street Evaluation System plan we'll even show you how the panels could look on your roof—for free!

**Ready to
Install?**

Our local team of certified Clean Energy Council installers will have your system set up and ready to go—and you'll gain peace of mind with our 42 Energy Street, 5-Year Installation Guarantee. Simply contact us today on 1300 042 000 and we'll organize a date for your evaluation

Or, simply stop by the Energy Hub to get a real demonstration of how this energy-saving technology could work for you. With over 39 years' experience in the industry, we've seen the fads come and go and can give you some honest advice perfect for our Tasmanian climate.

42 ENERGY STREET

FOR MORE
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VISIT THE ENERGY HUB
You can conveniently find us here:

Cnr Brooker Highway and Elwick Road, Glenorchy

**42 Energy
Street**