



HOW MUCH WILL IT COST?

“I really want to make changes that will save money and the planet, but I’m worried about costs.”

Costs are always a major consideration for many people and there is a lot to consider, such as: potential sources of funding e.g. savings, bank loans, grants and rebates; how much is saved by switching to new technology; and how long will the new equipment be expected to last?

So let's consider a couple of examples:

Solar panels

If you have the money readily available or you can add to an existing mortgage, solar panels are very cost-effective, especially if you are committed to using all the power generated and the installation price isn't too high. In all cases solar is great for the environment!

Example:

Approximately \$10,000 - for a 5KW system
Generates 5000kWh @ 26c/KW = \$1,300-/year savings on power
Minimum life of panel 25 years = \$32,500 savings on power

Purchase outright with no loan gives you a 325% return on your investment over the life of the panels.

Borrowing at 7% the total cost would be \$14,085- based on repayments over 11 years, giving you a return of 230% over the life of the panels.

If however you use only half the electricity generated, you paid significantly more for the panels, or have a high interest rate on your mortgage the solar panels may not look as financially positive, although other options such as installing a home battery, could change that equation again.

EV Car

While very few cars ever increase in value, if you use a vehicle regularly it is worth considering the savings you could make by switching to an EV. In this example we have assumed your car is worth \$20,000 and upgrading to a considerably better quality \$70,000 car. In all cases, a petrol car will not last as long as an EV which have an assumed life expectancy of at least 500,000km.

Example:

Model 3 Tesla \$70,000
Clean Air Discount \$8,625
Value of existing car \$20,000
Total cost to change to full electric: \$41,375

Fuel savings at 20c/km \$100,000 over the life of the car
Average savings \$4,000-/year for 20,00km/year
Maintenance savings \$800-/year.

If you borrow the money at 7% the cost is \$61,705-. The loan is paid off from savings within 13 years. Therefore the return is 194% savings over the life of the car compared to a petrol or diesel car.

In summary, if you drive a car regularly, changing from a petrol power to an EV does offer significant savings and an EV is a much better option, for both you and the environment.

Once you have provided us with your information, E4E will provide guidance around your options and where the best potential savings can be made. While this guidance is not intended to replace quotes from suppliers or your loan provider, it will provide you with information on the benefits of making changes, and what savings can be made.