

About Sustainable Living Tasmania

We are a community based, non-political, not-for-profit social enterprise, established in 1972. For more than two decades SLT has been helping Tasmanians to reduce their energy use through workshops, programs, published educational materials, home and business energy efficiency audits, retro-fitting energy efficiency solutions and bulk purchase options.

The most experienced organisation in energy efficiency in the state

SLT has delivered a range of professional energy audit services for larger scale facilities, and in sensitive environments with the aged and frail. Some examples include:

- Latrobe Council: Energy Audits of Latrobe Elderly Persons Units (Latrobe Council, 2011).
- Respite Home Energy Efficiency Audit and Report (STAR Tasmania, 2015).
- Good Home Warm Food Assessments, education and upgrades for people with Intellectual Disabilities, (2009-10).
- Huon Save Money Stay Warm Assessments, education and upgrades for people on disability pensions (2010).
- Power Savings for tenants Program – work in aged residential facilities (2012-13)
- Level 2 Energy Audits and reports for nine aged care facilities (TCCO, 2015).

SLT understands the operational environments of aged care facilities, including requirements for specific safety briefing and police checks for energy auditors. All our auditors have recent police checks and have received training in culturally sensitive communication. We undertake to deliver our services with minimal disruption to service providers and residents.

Our Services

Level 2 Energy Audit

A Level 2 Audit is performed to AS/NZS 3598-2000. It identifies the sources of energy to a site, the amount of energy supplied and what the energy is used for. It also identifies areas where savings may be made, recommends measures to be taken, and provides a statement of costs and potential savings. This is an “energy use survey” that provides a preliminary assessment of costs and savings and its accuracy is generally within +/- 20%.

The Level 2 Audit includes all services undertaken in the targeted audit (below) with the addition of:

- Assessment of type and configuration of services;
- Modelling site energy usage within +/- 20%;
- Creating benchmark performance standards for continual monitoring;
- A tariff analysis for energy used on site; • Identify and itemise energy using appliances;
- Make recommendations for improvements considering all energy using appliances on site; and
- Prioritise audit recommendations in order of return on investment / payback period.

Targeted energy audits

After completing nine energy audits in aged care facilities we have a good feel of where the greatest energy savings opportunities are likely to be. In the process of completing these audits we have counted thousands of light bulbs and opened hundreds of fridge doors – not always producing value for money. Rather than

completing the detailed energy modelling process and counting every light-bulb in the facility, we have developed a streamlined and efficient way to deliver energy savings.

This approach is designed to identify most of the significant energy saving opportunities quickly, but may not identify them all. We have named this the “targeted audit”. The targeted audit will only visit the areas that consistently have energy savings available and report on these. In detail, the targeted audit will:

- Analyse electricity and gas bills to understand seasonal usage and identify opportunities for bill optimisation;
- Assess and report on the thermal properties of the building fabric;
- Identify and make recommendations for alternative heating options;
- Inspect hot water systems and identify opportunities for improvements;
- Identify hot water reductions in showers; • Identify hot water and energy use reductions in laundry systems;
- Identify opportunities for lighting improvements;
- Inspect walk-in coolers and identify opportunities for improvements; and
- Make recommendations for likely Solar PV installations. The targeted audit will not model your electricity usage in detail or report on any items outside the above scope.

Energy monitoring

Sometimes an energy intensive area piece of equipment can be identified, however more detailed information on usage patterns is required. In this case SLT can arrange the installation of energy monitoring equipment. We have equipment that can broadcast real time energy usage to allow remote “off-site” monitoring. We can also use the data to create detailed energy models useful for securing finance for your particular project.

Energy plan development, training and evaluation

An energy audit will only reap dividends if it is incorporated into business planning. The methodology for this is the creation of energy management plans and ensuring their implementation and ongoing monitoring. SLT can turn your energy audit into a plan and provide coaching, training and monitoring services for your organization.

About Our Team

SLT’s energy services are managed by Anton Vikstrom, Energy Program Manager. He has a BSc REM, and GDip in Environmental Science. He has over 15 years of managing energy, environmental and development projects in Australia and overseas.

SLT have a team of more than a dozen energy assessors based around the state. Our business energy assessors have a minimum qualification of Certificate IV in Business Sustainability Assessment, alongside other relevant qualifications and many years of industry experience. Our combined experience and ongoing commitment to training and personal development makes us the best qualified and most experienced energy efficiency team in Tasmania. In choosing an *Aged Care Energy Savings Report* from Sustainable Living Tasmania you can be confident that we have the knowledge and experience to help you make significant changes in energy consumption at your facility without compromising client care or comfort.

Contact Us

For further information to book a meeting or arrange a quote, contact Anton Vikstrom: anton@slt.org.au or 03 62819364. Details on resources, offerings and links can be found at www.slt.org.au/agedcare