

PAST NEWS

We are approached by home owner to plan for their residential wind turbine at their new home, including lighting, interior and garden design for an energy efficient, and sustainable lifestyle. What a fantastic move, to our client. We look for positive ground of a commitment to a clean energy future to all parties. We will update news as it comes along.

Our **ES**CDESI design team is planning for a series of garden design for small space, courtyard, and balcony with a focus on low maintenance, and sustainability on principles of permaculture. Garden plays an important role in balancing the temperature, or in short the insulation of a building. It is a key factor to our health, and well beings and certainly it has an added value proposition Check out www.escdesi.com

We have a new range of LED lighting at an affordable price point, thanks to strong consumer's confidence in LED lighting for energy efficiency in recent months. Our clients are pleased with the result of their GREEN and SUSTAINABLE building projects with our LED and Solar Energy. Our regional clients are very keen for energy efficient building and lifestyle in their admission.

Fantastic News! the Australia Renewable Energy Target still remains at 20% by 2020. That is a direction for Our Sustainable Future and Clean Energy will be the only energy source of the Future. We hope Australia Clean Energy Sectors can grow beyond the 20% target to be in line with worldwide developed countries. Would it be a logical step to create jobs in one of the sector that has already provided an income to many families and individual. And at the end of the day, these innovative jobs are a source of taxable revenue to Australia economy.

OUR SERVICES TO COMMUNITIES IN RECENT YEARS

Participate in raising funds for Under Cover Kids

ESCDESI of **ES** Consulting services and sustainable building design Positive Footprints took part into the 2013 Kids Under Cover Cubby House Challenge. We delighted to contribute to this awesome project for a good cause. This Cubby House has been awarded for 'The Most Innovative Cubby "at the Launch & Ceremony at the Cubby House Village at Melbourne Garden Show 2013. Thanks to its non-conformed shape, a striking turmeric yellow external painted colour, a red umbrella, and a green tree shaped front door. The Cubby House was filmed for the Sunrise coverage and Better Homes & Garden Lifestyle show for Channel 7. Great news! The Cubby House has raised \$9,400 at the auction on Sunday 24/03 at Melbourne Garden Show for Kids Under Cover to build homes and provide scholarship for homeless and at risk young people. The auction went so well, and the team of Positive Footprints, and **ES**CDESI of **ES** Consulting services are so excited of this result. We applaud to all other participants including Architects, Designers, Builders, Real Estate, The Sponsors, and The Exhibitors, for their joined efforts, energy, time, and equity to raise nearly \$50,000 for Kids Under Cover on the day. Visit www.positivefootprints.com.au to view the Cubby House.

Solar PV and LED to family homes – to promote a consumer's confidence in Solar energy and LED lighting

Thanks to the dedication in solar energy, our team has helped our client to sign up for a solar PV to their 9+ stars rating new home on time, before solar rebate reduction at end of December 2012. Without solar PV, this building will not achieve a 9+ stars rating home. It is a winning edge for this family with a substantial savings from \$750 to \$1,000 on solar investment capital. In addition, LED lighting will be used for lighting source, as part of their efficiency, and sustainable measures.

A senior's residential home in Adelaide had changed their compact fluorescent lights to our LED bulbs recently. The owner is pleased with the LED light output, and its 30,000 hours lifespan. This will save family expense on CFL bulb replacement every 6 months, for its lifespan of 6,000 hours [on an average of 6 hours per night], in comparison to LED light.

A family of three in the West had retrofitted their CFL with our LED bulbs to their home to reduce power bill, and reap the savings benefit.

A Glenroy family of four, has installed a 3.6kW solar PV. Their first bill had been reduced to approximately over 75% in spring time. Though, if the electricity rate is steady as in 2011, the saving benefit could be expected to be up to 80%. This family has replaced their CFL to our LED bulbs for extra savings benefit.

A Sunshine family of two, has installed a 1.6kW solar PV system to its roof. The system will generate 3,500kWh per year, and reduce carbon emission around 4 tonnes per year. This household power bill is reduced to approximately \$50.00 per month, including service and supply charges. What a savings! Our LED lighting bulbs are additional efficient factor that contributes to the savings benefit.

A Lalor family of five, has installed a 3kW solar PV system to its roof. The system will generate 6,500kWh per year, and reduce carbon emission around 8 tonnes per year.

Our team has provided energy efficient tips and recommendation to these families of their living activities to maximise the saving benefit

In 2011, two sustainable town houses in Northcote were lit up with our LED down lights for energy efficient and sustainable lifestyle. The brief was to create a modern, sustainable and efficient lighting application

Aged care and multi-cultural community centres – a leadership approach in promote energy efficiency, sustainable application to business and living activities for a wider community's adoption

In early 2012, our MD has provided energy efficient and heat-reduction management plan on practical application and approach to Mekong Aged Care in Keilor. Management team will endeavour to future implementation to reduce energy consumption.

To promote to local Vietnamese community in The North and South East of Melbourne, on energy efficiency and sustainability, for a beneficial saving on family budget in response to endless energy rate rise, in the year 2012, **ES** Consulting services had the opportunity to discuss over this matter to the Temples' Abbots, and management teams at Linh Son, Quang Duc and Hoa Nghiem Buddhist Temples. Practical implementation is high on the agenda for a wider community's adoption to energy efficiency and sustainability in the near future.

ES Consulting services has audited Quang Ming Temple in Braybrook of its water, energy usage and waste in late 2007, and 2008 for its sustainability project. The old Temple has retrofitted with LED to reduce its power consumption in April 2012. This temple is the first sustainable, and energy efficient multi-cultural community hub to local visitors.

Solar and LED to office building – a leadership approach

In December 2010, AVWA has replaced 50W halogen and fluorescent tubes to energy efficient LED lamp. A review had indicated a reduction of 20% to 25% of power consumption per quarter readings for the last nine consecutive months. This is a financial benefit to this non-profit organization for years to come. Staffs welcome the efficiency and brightness of LED lighting output to this green office.

In November 2011, AVWA Richmond office is cleaner and greener with a sustainable make-over by installing a solar PV of 3.4kW system to its roof. A review of generated power output will be carried out soon. AVWA has postponed the plan to retrofit its Footscray office building with LED tube until further notice.

AVWA's solar case study had shown the saving benefit could be reached to its highest level in summer, then spring and autumn. But, the saving on winter electricity bills was minimal. So what is the issue? Less sun is the culprit.

Another factor to be considered is to check with the solar company, the installer, the inverter, the electricity rate and the service to property. We understand that solar PV and LED can help consumers to save energy only to the output capacity of these products. Consumer in general is an additional factor that contributes to energy efficiency measures.

Consumer can switch on off-peak hours for their power needs, to save energy. In general, the saving power depends on how sustainable is of the consumer's thinking and approach to living and business activities. If we continue to use electrical heaters in an office environment, the outcome is likely to resulting on high power bill. So, a new frontier of any source of clean energy requires a pro-active of all parties involved.

AVWA's management team member has installed a solar PV to his family home for energy efficiency. That is a fantastic change!

FOOD 4 THOUGHTS

Do we, as consumer accept a cleaner energy future for local jobs generation?

What is a future vision? Is it important? And who would benefit from it?

Why there are different school of thoughts when it comes to consumption? What are there, and what is the Nature of Sustainable Consumption?

Why there is a NEED for Sustainability in Food, Health, Waste, Clean Energy, Living? Could it address Social responsibility and future economy? Would it be a vital priority to many Social enterprises, NGOs, community groups, and Philanthropic organizations, as well to other sectors of modern economy?

A leadership takes drive, and motivates by its vision. And change requires a leadership.

Why garden and landscape design should take on principles of Permaculture? What is Permaculture? How important is a green space to a residential, commercial or public building?

A green roof top will do justice to Urban Heat Island? What is UHI? Why?

Is waste a waste? How to define waste? and what is bad waste and good waste?

Is it easy to transform a home from a high cost annual operation to a low cost running? that could be a bliss to family budget. Commercial and office activities, including brick and mortar can benefit to this application as well? Why? How?