

A photograph of several vibrant green leaves with prominent veins, set against a dark background. A semi-transparent blue banner is overlaid horizontally across the middle of the image, containing white text. In the background, there is a faint, circular logo consisting of several concentric, curved lines.

Use 'LESS' energy in NSW & claim carbon credits

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lowenergy 
supplies & services



Welcome

- Brief overview LESS
- NSW Energy Savings Scheme (ESS)
- Highlights of the ESS Rule
- How to create certificates
- Where everyone sits
- Why?



About LESS




- Established in 2001, Low Energy Supplies & Services (LESS) is one of the most experienced companies in the Australian 'carbon credit' industry
- Our goal is to use our skills & knowledge to guide you through the complexities of carbon credit markets, delivering proven climate change solutions that best suit your needs



What we do

- Directly responsible for more than 3.3million tonnes of carbon abatements & water savings of over forty gigalitres per annum
- Maintain accreditation under every major carbon scheme including; NSW ESS, RET, GHF, REES & VEET
- Run large scale demand management programs for energy network clients
- Provide 'carbon-credit' services for industry/commercial clients

The NSW ESS Scheme

- In July 2009 the NSW Energy Savings Scheme (ESS) was enacted, obligating Energy Retailers to fund greenhouse gas savings of over 3 million tonnes per annum by 2014
- These savings can be achieved through a wide range of energy efficiency activities in;
 -  residential
 -  commercial
 -  industrial
- Each Recognised Energy Saving Activity (RESA) requires creation via Accredited Certificate Provider (ACP), each energy saving activity will create ESS certificates.



Highlights of the ESS Rule

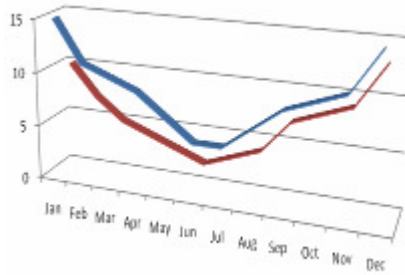
- ESS certificates are termed ESC's ("*es-keys*")
- ESS does not discriminate against energy end users
- Energy savings activities must demonstrate that there has NOT been a reduction in service or performance
- Many methods for ESC generation, in some cases allowing for forward creation
- ESS is available for the bill payers' (end users) only

Methods of creating ESCs



Project Impact Assessment Method (PIAM)

Engineering assessment allowing creation of ESCs 5 years upfront.



Metered Baseline Method - Consumption 'before' & 'after'. NABERS rating for commercial buildings (improvement in stars) falls into this category.



Default Savings Factors - Default factors for the installation or replacement of a range of equipment. Including: Lighting, High Efficient Motors, Showerheads & residential consumables

PIA Application Requirements



Project Impact Assessment Method (PIAM)

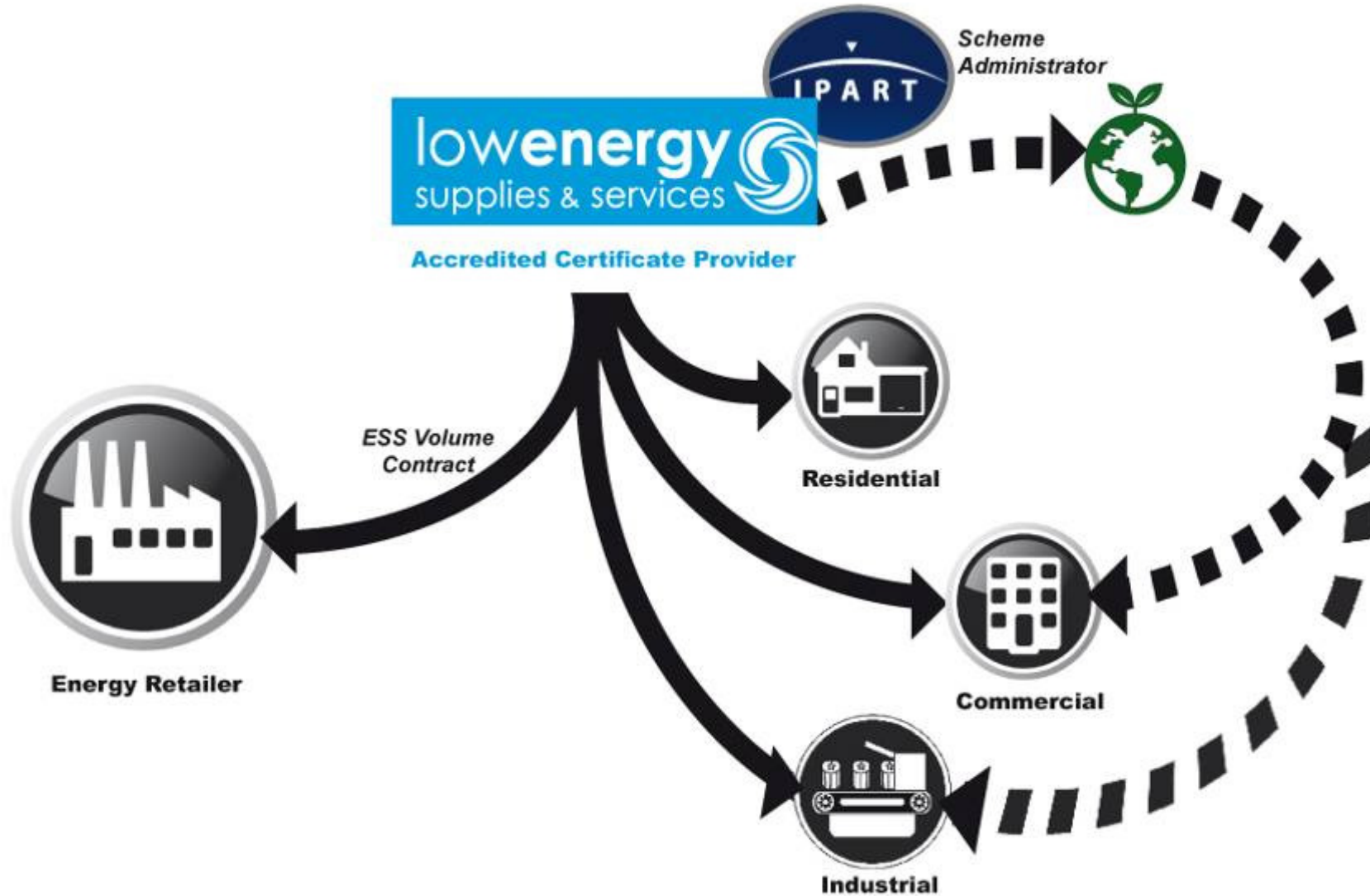
Engineering assessment allows for 5 year forward creation, the information required to support application is;

- Engineering calculations for energy consumed (before & after install), including details of all assumptions
- 'Tong Test' data showing the improvement in efficiency
- Flow chart of the process before & after the energy improvements (details controlling mechanism)
- Manufactures datasheet & supporting documentation
- Documentation of the hours of operation.

Reasons to create ESS certificates

- Building owners and managers - create valuable ESS credits
- HVAC suppliers/manufacturers - increase clients ROI without increasing your workload
- More cost effective service/product will mean your more competitive, resulting in increased future projects

Where LESS fit into the ESS equation



Benefits of working with LESS

- LESS is an ACP – we do all the leg work for you (and we don't charge a fee)
- We pay the ESC registration fees & cover the auditing costs
- Manage relationships with energy retailers, whilst maximise project returns
- Expert regulatory team on ESS & we maintaining excellent relationships with IPART
- Offer a fixed certificate value for 2010 – market conditions will not affect the pricing
- Commercial partners/suppliers can focus on your core business

NSW ESS Maths lesson

1 MWh Electricity Saved = 1 ESC

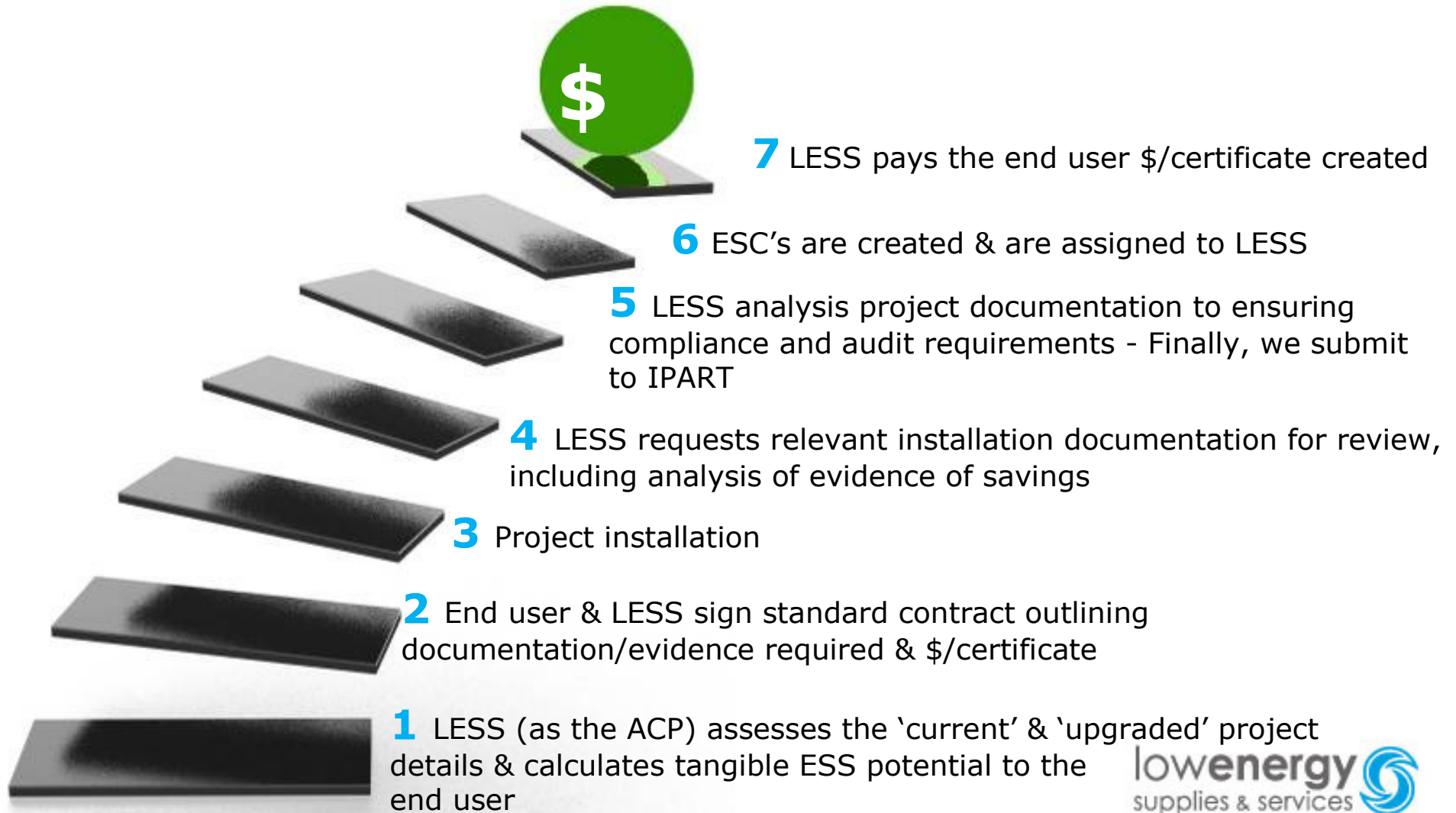


1 ESC is \$11.00 + depending on size/scope

PIA Method - HVAC 'fine tune' that resulted in 125MWh annual savings creates approximately **376 ESCs or \$4,518**
This made up 18.5% of the project capital

DSF - Single T8 (D class ballast & 36W) replacement with T5 (A2 class ballast & 24W) would equal to **0.8 ESC or \$9.6**

Steps towards earning the es-keys



A banner at the top of the slide features a background of green leaves. A horizontal blue bar is overlaid on the left side, containing the word "Questions?" in white, bold, sans-serif font.

Questions?

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