



Energy in
action®



AGL solar – the grass is now greener at Flemington Racecourse.

> IMAGE RIGHT
AGL's solar PV systems installed at Flemington racecourse.

Situation.

Coinciding with the 150th running of the Melbourne Cup, the Victoria Racing Club (VRC) looked to AGL Energy for a renewable energy solution to enable this iconic venue to become more sustainable well into the future. As a sustainability partner since 2008, AGL led a solar energy initiative with support from the Victorian Government and First Solar.

How AGL helped.

AGL performed a feasibility study of the site to assess what technologies could be applied and the most suitable areas. After rigorous examination and consultation, AGL recommended the use of solar photovoltaic (PV) systems to power two specific areas – the infield super screen and the main grandstand.

Issues unique to the site enabled AGL to showcase their expertise in custom solutions. AGL needed to ensure that the design aesthetic was consistent with the structure and that appropriate safety accesses were applied for installation and ongoing maintenance. The installation comprised of a team of 40 people and three cranes. The impressive 30kW system incorporates 384 solar panels supplied by First Solar, at two challenging elevations – atop the curved roof of the Flemington Grand Stand and the infield super screen on the home straight.

Benefits.

After a complex design, procurement and planning phase, AGL installed the system within a short timeframe ensuring completion for the 150th Melbourne Cup, to enable VRC and punters alike to enjoy a carnival significantly powered by renewable energy.

The VRC will benefit from green energy generation of 39,420kWh yearly, equivalent to emission reductions of 52,800 kg CO₂-e, about four times the yearly electricity consumption of the large infield super screen. This equates to reducing more than 1 million 'black balloons', 12.9 cars off the road or 6.7 households' annual energy consumption. Further to this AGL also supplies 100% GreenPower™ to the entire racecourse for the duration of the carnival.



Victoria Racing Club

As VRC's sustainable partner, AGL recommended and implemented the use of solar PV systems to power Flemington Racecourse's infield super screen and the historic grand stand.

- > Renewable energy is now delivered to infield super screen and grandstand
- > Greenhouse gas (CO₂-e) emissions will be reduced by about 52,800 kg per year
- > Public commitment to long-term sustainable running of the Melbourne Cup and Flemington Racecourse

"The VRC is delighted to be in partnership with such an innovative partner as AGL and to be working with both AGL and the Victorian Government to make horse racing more sustainable,"

Dale Monteith, Chief Executive, Victoria Racing Club.

For more information, email energyservices@agl.com.au or visit agl.com.au