



#### SOUTH AUSTRALIA

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#### SPECIAL POINTS OF INTEREST:

- **Restoration Project**  
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- **Check out our website:**  
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- **Email us at**  
info@energy.edu.au

#### UPCOMING EVENTS

- **Victor Harbor  
Energy Fair  
April 2011**

## Solar Car Restoration - It's Official !

After successfully providing twenty one high school students an experience of a life time in the 2009 Darwin to Adelaide World Solarcar Challenge, EEA leased 'Solarshop Kelly' and provided students a practical application to Driving, Navigation, Electrical & Mechanical Engineering, Multimedia and Catering activities during practice sessions and the race itself.

*Energy Education Australia is now extending its program through the restoration of its own solar car for the future.*



Kelly — also starred in a Holden Cruze advertisement.

In October 2010, EEA purchased Car 51 from the Mannum Community College and can now announce that the car is suitable for restoration and can be upgraded to suit the technical regulations specified for the 2011 WSC Darwin to Adelaide race.

Original builder, Brenton Roy, after viewing the car again, said "The car has been in 4 events (a race distance exceeding 10,000 km) and is still viable. The car's body is in good condition"

Brenton has been a good source of previous knowledge for EEA and EEA thanks Brenton for his ongoing interest in the car.

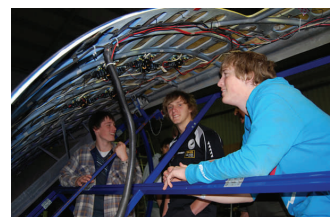
As well as the restoration, EEA will be producing learning materials for Teachers. This will allow schools to borrow the car

to compliment the theory thus promoting the core of the organization "increasing awareness in practical engineering"



A team of EEA personnel are now working on the planning and restoration. Restoration will proceed as fast as funds / products become available.

However, in the interim, the car will be used for static displays at schools, energy fairs and where ever EEA is being represented.



Students studying Electronics underneath a solar car's panel

## Seeking Support

Projects of this nature all require support and commercial interest. As EEA is a fully volunteer organization this project is no exception.

The proposed budget is in the vicinity of \$75,000 to get the car back on the road and upgraded to 2011 WSC Technical Regulation and the new safety requirements.

Sponsorship items required

include; trailer, solar cells, motor controller, motor and transport (truck) capability as well as a range of smaller items including safety equipment and running gear.

#### How can you help?

We are able to offer corporate sponsorship packages. Information packs are available on request for your consideration. Please contact us for further information.

#### Schools?

If your school is interested in being involved, please consider membership to the organization to receive regular updates.

We will be able to offer you lesson plans and provide the opportunity for the car to be physically part of your curriculum program.

We welcome and encourage ongoing student involvement.

# The Story Behind EEA



A learning curve — chicane training at SA's Victoria Park prior to the 2009 World Solar Challenge.

*“To provide an educational purpose and value through energy based activities ...”*



Energy Education Australia was formed in 2006 out of a need to fulfill for schools an event several schools had prepared for but were unable to participate in due to a late cancellation by the organisers.

Several of these schools then joined to ensure such a cancellation could not affect their curriculum again. Thus started a not for profit educational association that was first incorporated in South Australia and then spread to Tasmania and Victoria with the association then going national.

Today the association serves

Australian youth attending school, registered training organisations such as TAFE or universities in sustainable energy study and research.

The association has been active in supporting schools from Hobart's Salamanca Place 6 hour Pedal Prix to Darwin's World Solar Challenge. It has worked with state, federal and local government in promoting sustainability.

With the City of Victor Harbor it organises SA's Energy Fair held on the first weekend of April each year. Students from schools, TAFE and universities

have had the chance to display their studies in a variety of manner since the first fair in 2007. Competitions have also been a part of the association since then as well.

More recently, affiliation with other Australian and overseas educational associations have been forged with a wider offering of lesson material now available.

Currently it is run totally by volunteers who tirelessly have raised all the funds required to compliment the in kind support given by government and industry.

## The Objectives of the Association

- To work with educational institutions throughout Australia and comparable groups overseas in the study and promotion of various energy sources and their applications.
- To provide an educational purpose and value through energy based activities between member schools, tertiary institutions, corporations or individual members within Australia.
- The promotion of learning in a new and emerging technologies in the various forms of energy with an emphasis on sustainable energy for all.
- To foster the transfer and development of curricula in all educational institutions throughout Australia.
- To be a clearing house for the latest information from around the world on sustainable technology.
- To create, promote and manage events that provide opportunities for young people and educators to share their successes.
- To be active participants in events and opportunities to promote sustainable technologies.
- To provide and encourage fellowship and interaction between member schools and tertiary Institutions through the sharing of curricula, experiences and various events.
- To promote and manage energy events when member schools or tertiary institutions field combined teams for competition.

## Who We Represent

Energy Education Australia Inc. works with all educational sectors.

Our members come from all walks of life from current educators to retired teachers, engineers, scientists or those just purely interested in supporting youth in their energy quest.

We count a school, or tertiary institution as a single member irrespective of the number of students a given institution might have enrolled.

The association therefore has approximately fifteen thousands students that it can work with in a given year.

This means that the target audience of any potential sponsor is in the thousands of families and their purchasing power.

# How Can You Help?

If you have children yourself, you will know that “showing” your children is a better way of teaching than “telling”.

As a business considering partnership with us, what better way to promote your company, products and community spirit than joining forces with a truly unique educational environment?

Firstly, you must determine if our ethics and ethos align with yours.

Do you consider that collaboration, participation, working together and rewarding personal achievements are key points to the success or otherwise of your business?

If so, and you are looking to provide a “hand-up” instead of a “hand-out”, then your business support will be greatly appreciated.

We need to provide a safe learning environment for our students. To that extent we require electronic and mechanical equipment that will enable us to bring Car 51 into the 21st Century. To compliment the equipment we need to publish written material that students can refer to to explain how various equipment performs. This can be achieved either in kind or financially depending on your resources..



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## Car 51's needs ...



### Solar Panels

Area to cover 10m<sup>2</sup>  
Estimated cost:: AU\$30,000

### Motor Controller

Tritium  
Estimate cost: AU\$7,000

### Body

Cockpit rebuild  
Estimate cost: AU\$5,000

### Battery

Lithium Ion  
Estimated cost:: AU\$13,000

### Motor

Type Yet to be decided  
Estimate cost: AU\$12,000

### Trailer

Estimate cost: AU\$10,000

**Incidentals** — Estimate cost: AU\$7,500  
covering steering; seating for two; telemetry ...

## Sponsorship Levels and Value Proposition

Level	Amount in Cash	Amount In Kind (RRP)	EEA Newsletter Advertising	EEA Website Advertising	EEA Publications Advertising	Car 51 for Promotion at your function*	Car 51 Trailer Advertising	Car 51 Advertising
Naming Rights	To Be Negotiated		Yes	Yes	Yes	Yes	Yes	Yes
Gold	\$15,000 +	\$18,000 +	Yes	Yes	Yes	Yes	Yes	
Silver	\$5,000 +	\$6,000 +	Yes	Yes	Yes	Yes	Sml	
Bronze	\$1,000 +	\$1,200 +	Yes	Yes	Yes			
Supporter	\$50 +		Yes	Yes				

For all decal advertising, an eps or ai image of the company's logo or crest needs to be made available to EEA for advertising on Car 51 and/or its trailer. Decals — layout can vary to suit sponsor / Energy Education Australia Inc — below is general rule sizes

Naming Rights — by negotiation; Gold 300 X 300mm or 900cm<sup>2</sup> — Silver 200 X 200mm or 400cm<sup>2</sup>

For all other advertising any of the following are acceptable — ai, eps, png, gif or jpeg. At time of arranging if in doubt please discuss with us your options. Advertising is for a two year period — sponsors have right of renewal

\*subject to negotiation and availability



**Energy Education Australia Inc**  
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 Oaklands Park  
 SA 5046

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Email: [info@energy.edu.au](mailto:info@energy.edu.au)

**Car 51 is being repaired for school students to have hands on experience with a solar car.**

The educational areas offered by studying the solar car are:

- Electronics
- Mechanics
- Navigation and GPS satellite tracking
- Health and Hygiene — general safety in a confined space, emergency egress
- Driving — using power sparingly for the greatest output, regenerative power ...

**EEA's World Solar Challenge Educational Site:**  
<http://wsc.energy.edu.au>

## EEA's 2009 World Solar Challenge

**Images showing various stages of preparation for the 2009 WSC.**

1. 1 Rundle Mall - Jan 2009
2. Murray Bridge - training
3. Mannum Punt - training
4. Rostrevor College
5. Grand Prix weekend Lobethal Main Road
6. Victoria Park - Training
7. Mannum Community College visit
8. Electronics class
9. Yorke Peninsula Driver Training
10. Darwin — official driver/navigator debriefing
11. Darwin—tyre preparation
- Scrutineering for:
  12. Clearance
  13. Width of vehicle
  14. Egress timing
  15. Departing Parliament House Darwin
16. Recharging the batteries during a pitstop



17. Pitstop Alice Springs
18. Adelaide's Parade Ground
19. The Finish - entering Victoria Square



## Sponsorship Details

Yes, I/we want to sign up as a sponsor for Energy Education's Car 51

Company Name:

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Contact Name:

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Title:

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Address:

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Telephone:

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Mobile:

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E-mail:

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Signature:

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Date:

/ / 2011

## Sponsorship Level

**Naming Rights** \$  
Amount to be negotiated

**Gold** \$  
≥ \$15,000 cash  
OR  
≥ \$18,000 goods &/or services

**Silver** \$  
≥ \$5,000 cash  
OR  
≥ \$6,000 goods &/or services

**Bronze** \$  
≥ \$1,000 cash  
OR  
≥ \$1,200 goods &/or services

**Supporter** \$  
≥ \$50 cash

**Donation of goods** Yes / No  
To be negotiated

Do you require an invoice?  
Your ABN? Yes / No



## Promotional Material

Do you have promotional material that you wish to forward to Energy Education Australia? Yes / No

Will you be providing Energy Education Australia with your company decals? Yes / No

Are you intending to forward your logo in ai, eps, jpg or tiff format to our e-mail account — info@energy.edu.au? Yes / No

Please indicate method of payment:

Cheque / Money order Yes / No  
Payable to:  
Energy Education Australia Inc

Bank Transfer of Funds: Yes / No

Account Name:  
Energy Education Australia Inc  
Bank: Bendigo Adelaide Bank  
BSB No 633 000  
Account No: 129 583 803

Please forward this sponsorship form with any other additional documents to:-

**Energy Education Australia Incorporated**

ABN 89 122 169 635

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