



2018 Victorian Human Powered Vehicle Grand Prix Series Handbook

Proudly brought to you by

Casey – Cardinia HPV & Cycling Club Inc

Bendigo EEV / HPV Grand Prix &

BridgeBuilders (Knox) Grand Prix



Welcome to the 2018 Victorian HPV Grand Prix Series (hereafter called The Series), This booklet, along with regular emails, Facebook, Instagram and website updates we will provide you with all necessary information you need to compete in this fast growing Series across Victoria.

This Series is not affiliated with the Wonthaggi Grand Prix or RACV Energy Breakthrough and as such any questions or concerns regarding this event should be directed towards the Wonthaggi Grand Prix or RACV Energy Breakthrough.

Each of the four events in the 2018 series will be a standalone event but there will also be an opportunity for an overall trophy for the Series.

This year, to assist with the continuation and growth of these events, we are seeking teams or individuals that have an interest in staging these events to step forward and help us out. We are always looking for people to help in all areas of the event, from planning, set up, administration etc. Your help would be greatly appreciated. Please don't hesitate to contact our the Series President or Series Chief Scrutineer at: info@cchpvcc.org.au vicscrutineer@gmail.com for more information.

This year the series titles will be decided by points accumulated over three of the four rounds. To be eligible to win the overall title and category positions a team must compete in at least 3 rounds of the series in the same class. The final Casey event (Round 4) is a **compulsory event** for series points. Your teams lowest score from rounds 1-3 will be deducted prior to the commencement of Round 4.

The 2018 series will consist of

- Round 1: A six hour event at Casey on Saturday 3rd March
- Round 2: A six hour event at Knox on Sunday 29th April
- Round 3: A nine hour event at Bendigo on Saturday 18th August TBC
- Round 4: An six-hour event at Casey on Saturday 13th October.

Please take the time to read through this booklet thoroughly, and we look forward to seeing you all at Round 1 on Saturday 3rd March 2018.

Kind Regards,

Nathan Boon
President – Casey & Cardinia HPV & Cycling Club/Victorian HPV Series

2 ~ Aims

We, the Event organisers, aim to:

- Provide participants, young and old, with the opportunity to race competitively in a controlled, safe and friendly environment.
- Provide entrants a racing environment to test new designs.
- Provide participants with the opportunity to improve their riding ability throughout the series both in day and night conditions
- Will be a fun program with real world challenges
- Offer students opportunities to explore and address vehicle design, driving skills and vehicle and passenger safety issues.
- To build partnerships with other HPV event organisers e.g. Australian International Pedal Prix, Bridge Builders, and Bendigo HPV Grand Prix

3 ~ Summary of Events

1 - HPV

Round 1: is a six hour event commencing at 10 am on Saturday 3rd March. The race will be conducted at Casey Fields on the HPV and Cycling Criterium Track. Racing is in an anti – clockwise direction. This event will be run on the first two loops of the track

Round 2: a six hour event commencing at 10 am on Sunday 29th April. The race will be conducted at State Basketball Centre – Knox

Round 3: is a nine hour event in Bendigo on Saturday 18th August. This race will give riders the chance to test there vehicles in both day and night time racing conditions. TBC

Round 4: is a six hour event commencing at 10 am on Saturday 13th October. The race will be conducted at Casey Fields on the HPV and Cycling Criterium Track. Racing is in an anti – clockwise direction. This event will be run on the full track

4 ~ HPV Categories

The 2018 Victorian HPV Series has the following Categories: Please note that there has been changes to categories for this year

- | | |
|--------------------|--|
| • Junior Class | (Yr 5-6) |
| • Junior Open | (Yr 5-6) (including all female teams) |
| • Middle Secondary | (Yr 7-9) (including all female teams) |
| • Senior Secondary | (Yr 10-12) (including all female teams) |
| • Open Secondary | (Yr 7-12) |
| • Community Open | (including all female teams) |
| • Community Mixed | (minimum 1 female rider) |
| • Masters | (age 35 and over & minimum 1 female rider) |

5 ~ HPV Teams

All riders who are listed on the submitted team sheets must ride during the race

Junior: Teams may have up to 12 riders with a minimum of 4 girls. Students may come from a cluster of Primary and Secondary schools. **No rider is permitted to be less than 10 years of age** at the date of the event they are competing in. **Any rider from grade 4 needs approval** to ride from race organisers prior to the day of the event.

Junior Open: Teams may consist of any make up of riders. There is no gender ratio requirement.

Middle & Senior: A minimum of six and a maximum of eight riders. At least half the members of the Middle and Senior class entries **must** be female.

Community: Teams are free with respect to age and gender. *Minimum 4 riders*

Community Mixed: Teams **must** have at least 1 female rider. *Minimum 4 riders*

Masters: Teams consist of riders with a minimum age of 35 years at the time of the event and **must** have 1 female rider. *Minimum 4 riders*

6 - Points Allocation

Points will be allocated for each event in which a vehicle competes and completes. To be eligible for overall series honours a vehicle must compete in the same class for the duration of the Series. Points will be awarded for all of the 4 rounds. The final Casey event (Round 4) is a **compulsory event** for series points. Your teams lowest score from rounds 1-3 will be deducted prior to the commencement of Round 4. All entrants to the Series will be required to compete for the duration of each event to qualify and for points to be awarded. In the event of vehicles failing to finish the event; they will be awarded 25 points.

Points will be allocated per category as 100 per win, and will decrease by one point for each place. For example 1st = 100 points, 2nd = 99 points, 3rd = 98 points and so on.

A class category needs to have minimum 3 entries compete in the Series to be eligible for awards and records. The Series points will always be allocated regardless of how many entries per class. The leading all female team in each class will also be recognised.

7 ~ Vehicle Specifications

In 2018 the National Vehicle Specifications booklet has been realeased. Please make sure you read this book and understand any changes that may need to be made to your vehicle.

8 ~ Scrutineering

Round 1 Casey

Saturday 24th February

Tom Flood Velodrome, *Bendigo* 10am-12pm

Sunday 25th February

Casey Fields, Cranbourne 1pm-4pm

Knox Round 2

Saturday 28th April

State Basketball Centre, Knox

Times TBC

Round 3 Bendigo

Friday 17th August

Girton Grammar School, Bendigo

Times TBC

Round 4 Casey

Saturday 6th October

Tom Flood Velodrome, *Bendigo* 10am - 1pm

Sunday 7th October

Casey Fields, Cranbourne 1pm - 4pm

Post Race scrutineering will also take place at the conclusion of each race. This will be for the top 3 vehicles in each class and for randomly selected vehicles.

9 ~ Event Schedules

These will be released by each group closer to the events. Keep an eye on our Facebook and website for more details. An email will also be sent out a week prior to the event with all necessary race day information.

10 ~ HPV Track Rules

To ensure a high level of rider behaviour and track safety the following rules will be enforced during the event. It is the Team Manager's responsibility to inform riders of the rules before the event.

- Vehicles must stay to the left of the track unless overtaking another vehicle (or entering pit lane at Casey / Knox)
- Vehicles must endeavour to overtake on the outside (right hand side) of the track.
- When overtaking, a rider must ensure that they:
 - Check their mirrors to ensure it is safe for them to overtake.
 - Sound their horn until they have passed the vehicle they are overtaking.
 - Ensure there is a safe distance (approx 3m) before moving back across the track.
- Blocking, weaving or forcing a way past a vehicle is not permitted and examples of such driving / riding will be penalised. Experienced riders should set an example for younger riders
- When a caution (yellow) flag / light is displayed on the track, **all vehicles must slow and not continue at race pace.**
- If aggressive behaviour and abusive language is observed, the teams in question will be penalised. These types of actions will not be tolerated.
- If a vehicle becomes disabled (i.e. chain falls off) on the track, riders are to pull over to the side of the track. If the rider cannot rectify the problem alone, help from an official should be sought.
- Vehicles involved in a collision or rollover should return to pits immediately and not re enter the competition again until cleared by the relevant scrutineer
- Upon entering Pit Lane, riders must ensure that they are travelling at no more than **10kmh** (a **slow** walking pace). This speed must be maintained through the entire distance of the Pit Lane.
- Vehicles must come to a stop under their own power when stopping in pits (ie no "catching" a vehicle to bring it to a halt)
- A vehicle must leave the pit area under its own power (ie no one is permitted to give the vehicle a push start)

- Portable music / electronic devices (e.g. i-pods, mp3 players, i-phones etc) are not permitted to be used while riding. Any rider found to have ear phones in constitutes a safety hazard and will be stopped immediately.
- All riders are required to wear appropriate clothing and covered shoes at all times whilst riding. Upper body clothing is to cover the rider's shoulders and upper arms. Singlets and tank tops are not allowed. Gloves are required and should be of a strong fabric. Safety Glasses are to be worn at all times in open top vehicles and with vehicles where windscreens have been removed or large holes created.

Breaches of the above rules or riding in a manner that, in the opinion of the event management, is in breach of the spirit of the 2018 Victorian HPV Series may result in disciplinary action. This could be in the form of warnings, time penalties or loss of laps at the conclusion of the event for subsequent breaches. A full list of penalties will be published before Round of the Series.

Pit Rules:

- In the pit bay, a maximum of two students / riders and one supervising adult may assist the ingoing and outgoing rider with a pit stop. Should more people be required, the vehicle must be moved back off Pit Lane into the teams pit tent area.
- One team member is permitted to stand and signal to vehicles from the pit lane barriers, but must move back immediately after signalling their vehicle.

11 ~ Pit Area

Each school / group entering will be allocated at least one pit area upon registration on the day. It is suggested that a tent / marquee be used in the back areas of your pit bay to provide protection for riders and their riding gear whilst not riding. If a team uses carpet for their pits it must be removed at the end of the day by that team.

There is no power to the pits. However, if you plan on supplying your own generator please ensure that all power boards and power leads have in date compliance tags and are clearly labelled. An "in date" fire extinguisher must be in close proximity to the generator at all times.

There is to be no welding or angle grinders (or any equipment that create sparks) to be used in the pit area.

Attention must be paid to all fire restrictions in force on that day

Drones: there shall be no drones used at any events unless prior written consent and all required documents are provided. Any person using a drone will be asked to have this removed. For more information please visit www.casa.gov.au/modelaircraft

12 ~ Other Important Information

➤ Sponsorship

All entries are encouraged to display signage of their sponsors on their vehicle, providing that signage is not offensive and does not promote inappropriate material / activities (i.e. tobacco, liquor, gambling etc.). Should you require any clarification regarding your sponsorship, please contact the Event Management Committee at info@cchpvcc.org.au

➤ Publicity

The event organisers plan to provide regular emails to registered teams before events to keep them informed with all activities and issues in the lead up to the series. We will be promoting the Series through local print media and via our website, www.vichpvseries.org.au and Facebook (www.facebook.com/VictorianHpvSeries)

To ensure consistent advertising, if you are planning to promote your team's involvement in the event, please ensure you refer to the event as the: **2018 Victorian HPV Series** and trending hashtags for 2018 will be: #victorianhpvseries2018

➤ **Safety**

Please ensure that all relevant paperwork is completed and submitted to each event before the due date. While the event management committee ensures we take every precaution to make the series as safe as possible, we can not take responsibility for individual teams.

First Aid facilities will be available on the day at all events to provide medical attention if the need arises. It is also suggested that each organisation have a First Aid kit in their pit area.

Helmets: Team Managers must ensure that helmets meet the latest Australian Standards requirements (with tag still attached), Helmets that are "scalped out" do not meet Australian Standards and are not to be used

Gloves: Shall be worn at all times when riding.

Safety glasses: Worn at all times in open top vehicles and with vehicles where windscreens have been removed or large holes created

I-Pods (or similar) cannot be used.

Riders with earphones will be stopped until removed and will face penalties

Marshals along pit lanes will be checking these items vigorously on race days

➤ **Catering**

A number of vendors will be at each venue to provide participants with food and drinks at competitive prices throughout events.

➤ **Extreme Weather**

In the event of a fire threat that has been declared, "code red" for the area, events may be cancelled.

If the temperature exceeds **33 degrees**, organisers reserve the right to implement a range of staged strategies to reduce the likelihood of heat stress. This includes compulsory breaks through to suspension of the trial for a period of time. The decision is the responsibility of the Clerk of Course and organisers.

Other adverse weather e.g. rain, wind, will be dealt with accordingly

Your full co-operation is requested during these times.

13 ~ Other HPV Events:

Casey Grand Prix

March 3rd, 2018

(Round 1 of 2018 Victorian HPV Series)

Details can be found at their website: www.vichpvseries.org.au

Bridge Builders - Knox Grand Prix

28th & 29th April 2018

(Round 2 of 2018 Vic HPV Series)

Details of the Bridge Builders Grand Prix can be found on their website;

www.bridgebuilders.com.au

Bendigo EEV / HPV Grand Prix

18th August 2018

(Round 3 of 2018 Victorian HPV Series)

www.bendigoeevhpv.wix.com/grandprix

Casey Grand Prix:

13th October, 2018

(Round 4 of 2018 Victorian HPV Series)

Australian International Pedal Prix

Competitors may also be interested in the **Australian HPV Super Series** that is conducted in South Australia. Further details can be found on their website: www.pedalprix.com.au

RACV Energy Breakthrough

22nd - 25th – November 2018

Details of the RACV Energy Breakthrough can be found on their website;

www.racvenergybreakthrough.net

Wonthaggi Human Powered Grand Prix:

March 16th -18th

Further details can be found at their website:

http://www.wonthaggisc.vic.edu.au/wsc_site/pages/display/1/35c5a9e52961b31ec881185083a29805/1/display