



2017 Victorian HPV Series Handbook

Proudly brought to you by

Casey – Cardinia HPV & Cycling Club Inc.,

The Wonthaggi Human Powered Grand Prix and

Bendigo EEV / HPV Grand Prix &

BridgeBuilders (Knox) Grand Prix



Welcome to the 2017 Victorian HPV 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 RACV Energy Breakthrough and as such any questions or concerns regarding this event should be directed towards the RACV Energy Breakthrough based in Maryborough.

Each of the five events in the 2017 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 club secretary at: secretary@cchpvcc.org.au for more information.

Please note: Throughout the 2017 racing season the Victorian HPV Series will be transitioning our Vehicle Specifications to a set of National Vehicle Specifications. This change will enable more stability throughout all events and greater flexibility for teams to attend, enter all events and simplify the scrutineering process. We understand and appreciate that many of you may have not have sufficient time to modify or make changes to your vehicles before our first race in February 2017. Therefore, for the 2017 racing season the Victorian HPV Series will be scrutineering your vehicle under the National Vehicle Specifications first. If there is a non-compliant item we will then consult to our 2016 Victorian HPV Series Vehicle Specifications. If your vehicle complies with one or both rules you will be eligible to race your vehicle. We will continue to follow this process for the duration of the 2017 season and will implement the National Vehicle Specifications from the beginning of 2018.

This year the series titles will be decided by points accumulated over four of the five rounds. To be eligible to win the overall title and category positions a team must compete in at least 4 rounds of the series in the same class. The final Casey event (Round 5) is a **compulsory event** for series points. Your teams lowest score from rounds 1-4 will be deducted prior to the commencement of Round 5.

The series will consist of

- Round 1: A six hour event at Casey on Saturday 25th February,
- Round 2: Wonthaggi 24 Hour Grand Prix, at Wonthaggi, on 17-19th March
- Round 3: A six hour event at Knox on 29th and 30th April
- Round 4: A nine hour event at Bendigo on Saturday 19th August (TBC)
- Round 5: An six-hour event at Casey on Saturday 14th October.

Please take the time to read through this booklet thoroughly, and we look forward to seeing you all at Round 1 on 25th February 2017.

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. Wonthaggi, Bendigo, RACV Energy Breakthrough, AIPP and BridgeBuilders

3 ~ Summary of Events

1 - HPV

Round 1: is a six hour event commencing at 10 am on Saturday 25th February. 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: is a 24 hour event on 17th – 19th March, commencing 12 noon on Korumburra Road, Wonthaggi

Round 3: a six hour event commencing at 10 am on Sunday 30th April. The race will be conducted at State Basketball Centre – Knox

Round 4: is a event in Bendigo on Saturday 19th August (TBC)

Round 5: is a six hour event commencing at 10 am on Saturday 14th 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

2 – EEV See the Bendigo website / handbook for details

4 ~ HPV Categories

The 2017 Victorian HPV Series has the following Categories:

- Junior Class (Yr 5-7) (including all girls teams)
- Junior Secondary Open (Yr 5-7) (including all girls teams)
- Middle Secondary (Yr 8-10) (including all girls teams)
- Senior Secondary (Yr 10-12) (including all girls teams)
- Open Secondary (Yr 7-12) (including all girls teams)
- Community Open (including all women's teams)
- Community Mixed (minimum 2 female riders)
- Veterans (age 35 and over)
- EEVs (Bendigo only)

5 ~ HPV Teams

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 the 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. All other teams in the event will consist of 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 except Community Mixed which must have at least 2 female riders

Veteran's teams consist of riders with a minimum age of 35 years at the time of the event. All team members must be familiar with the operation of their vehicle entry and must participate during the event.

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 5 rounds. The final Casey event (Round 5) is a **compulsory event** for series points. Your teams lowest score from rounds 1-4 will be deducted prior to the commencement of Round 5. All entrants to the Series will be required to compete for the duration of each event to qualify for points to be awarded. Vehicles failing to finish the event 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 in that class. The leading all female team in each class will also be recognised.

7 ~ Vehicle Specifications

Please note: Throughout the 2017 racing season the Victorian HPV Series will be transitioning our Vehicle Specifications to a set of National Vehicle Specifications. This change will enable more stability throughout all events and greater flexibility for teams to attend, enter all events and simplify the scrutineering process. We understand and appreciate that many of you may have not have sufficient time to modify or make changes to your vehicles before our first race in February 2017. Therefore, for the 2017 racing season the Victorian HPV Series will be scrutineering your vehicle under the National Vehicle Specifications first. If there is a non-compliant item we will then consult to our 2016 Victorian HPV Series Vehicle Specifications. If your vehicle complies with one or both rules you will be eligible to race your vehicle. We will continue to follow this process for the duration of the 2017 season and will implement the National Vehicle Specifications from the beginning of 2018.

8 ~ 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.

9 ~ 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.

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 2017 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.

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.

10 ~ 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

11 ~ 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: **2017 Victorian HPV Series** and trending hashtags for 2017 will be: #victorianhpvseries2017

➤ 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.

I-Pods (or similar) cannot be used.

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

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

Lights: Please refer to separate event handbooks for lighting requirements

➤ Insurance

All participants on the day will be covered by insurance. However, school teams should still use school excursion forms.

➤ 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.

11 ~ Other HPV Events:

Casey 6 hour

February 25th, 2017
(Round 1 of 2017 Victorian HPV Series)

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

Wonthaggi Human Powered Grand Prix:

March 17-19th
(Round 2 of 2017 Vic HPV Series)

Further details can be found at their website:
http://www.wonthaggisc.vic.edu.au/wsc_site/pages/display/1/35c5a9e52961b31ec881185083a29805/1/display

BridgeBuilders - Knox Grand Prix

29th & 30th April 2017
(Round 3 of 2017 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

19th August 2017
(Round 4 of 2017 Victorian HPV Series)

www.bendigoeevhpv.wix.com/grandprix

Casey 6 Hour Grand Prix:

14th October, 2017
(Round 5 of 2017 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

23rd-26th – November 2017

Details of the RACV Energy Breakthrough can be found on their website; www.racvenergybreakthrough.net