

BENDIGO EEV HPV GRAND PRIX



EVENT HAND BOOK

**BENDIGO LIVESTOCK
EXCHANGE**

September 10, 2022

<http://bendigoeevhpv.wix.com/grandprix>

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WELCOME

Dear Team Manager,

Thank you for joining us and adding support to our committee efforts to increase the profile of EEV/HPV racing in Bendigo and surrounding areas.

This booklet, along with regular email updates, will provide you with the information you need to compete in the Bendigo EEV/HPV Grand Prix.

Whilst this event is not a part of the Victorian HPV series as yet, team results will be made available via a Multisport timing system and trophies awarded to category winners.

Your team entrance fee will go towards covering the costs of safety barriers, diesel portable lighting towers & fuel, First Aid, Multisport timing systems, venue hire, additional amenities hire (if required), event insurance and other associated costs.

We look forward to seeing you on September 10, 2022!

EVENT PHILOSOPHY

The Bendigo EEV/HPV Grand Prix Committee aim to further increase the profile of EEV/HPV racing within Bendigo and Regional areas via this Community event.

As the majority of teams are preparing for the Maryborough RACV event, we have tried (within reason) to reinforce the RACV requirements and expectations in the organisation of this event with regard to track rules, vehicle construction and safety.

The event committee aims to:

- Provide a safe and supportive race environment for Primary students, Secondary students.
- Provide an additional racing event for EEV's as fewer EEV training and race events exist
- Provide teams with the opportunity to test riders and vehicle designs in a safe environment
- Provide an opportunity to further riding skills and experience
- Increase awareness of the popularity of HPV/EEV racing in Bendigo and surrounding areas
- Provide schools and teams with a positive networking opportunity
- Celebrate the sport of EEV/HPV racing
- Provide Community support to local charities by way of donating any residual funds

HPV racing- each team aims to complete the greatest number of laps within the race timeframe.

EEV trial- each team aims to complete the greatest number of laps on the smallest amount of fuel and or battery power. This requires teams to operate vehicles conservatively as opposed to racing for speed.

As this event is a Community event, any residual funds once costs have been covered will be donated to local charities.

The Site

The Bendigo Livestock Exchange (BLE) is located approximately 11kms North of Bendigo along the Midland Highway, just West of Huntly. Sealed-road access to the site is available via Leans Rd and Wallenjoe Road. Leans Road and the 'Livestock Exchange' are signposted from the Midland Highway.

BLE operates as an industrial site for livestock sales several days per week. As such, truck access is available 24 hours per day to the livestock yards and truck wash. During the event trucks will be permitted to access the washing bay but will not interfere with the running of the Senior HPV and EEV track. A marshal will be placed in this area for the duration of the race and adequate barriers will be in place to separate trucks and the Senior HPV/EEV circuit.

Whilst the BLE provides the road infrastructure for a race track for each circuit, pit areas and sections of the track will be marked with barriers and other forms of bunting.

Whilst the majority of the track within each circuit is several metres wide and will allow for easy, clear riding, there are some sections of each circuit that are narrower. Riders and team managers will be briefed on these areas prior to the race and will be expected to show relevant caution in these areas. Marshals will be stationed at these areas and adequate safety barriers provided.

Persons are prohibited from entering the saleyards and office buildings at any time. Mobile phone coverage is available throughout the site.

EVENT CLASSES AND CATEGORIES

HPV	EEV
Primary (Years 5-7)	Hybrid 1
Middle Secondary (7-10)	Hybrid 2
Senior Secondary (11-12)	Single Power Source
Training	Training

TEAM REQUIREMENTS

EEV and HPV teams may have up to 10 riders with a minimum of 6. At least half the members of the HPV School class entries must be female. EEV teams are free of gender restrictions.

Training teams are exempt from rider age and gender restrictions and can rotate through as many riders as desired.

All team members must be familiar with the operation of their vehicle entry and must participate during the event.

All team members must have read and signed indemnity forms. Team lists must be submitted upon registration and these teams may not be changed once the race has begun. Any substitutions prior to the start of the race must be registered with the registrations desk.



PARKING

Roads within the site are one way and will be closed for general traffic at the commencement of the race. Parking for vehicles and trailers is to the West of the track and towards the site entrance as indicated. All traffic needing to enter/exit the site once the race has begun will need to park clear of the track site along Wallenjoe Rd or towards the site entrance.

SCRUTINEERING

Final details to be confirmed but teams are hoped to have the opportunity and are encouraged to be scrutineered on Friday evening prior to the race in the Girton School Gymnasium from 6.30 to 8.00pm. Friday night scrutineering will alleviate congestion in the Saturday morning scrutineering session. **These details will be confirmed at a later date.**

Alternatively, scrutineering will occur prior to the event. Please indicate your preference in the space provided on the registration form.

Two weeks prior to the event teams will be emailed scrutineering times.

A scrutineering checklist can be found at the end of this document to assist you in your preparation. Scrutineering checks reflect some of those relevant to the RACV event.

TRANSPONDERS

Race Timing will be provided by MultiSports Australia.

Transponders will be available for collection from the registration desk once a scrutineering pass has been obtained. Transponders are to be mounted on the inside of the vehicle (within 200mm of the road surface and not above carbon fibre or metal).

Transponders are to be returned to the registration desk at the end of the event. Transponders that are not returned will incur a replacement fee of \$120 (plus GST) payable to Multisport Australia.

GENERAL TRACK RULES (EEV & HPV)

Our aim is to provide a safe and enjoyable race for all participants. To this end, the following rules will be enforced during the event in accordance with the RACV guidelines. It is the Team Manager's responsibility to inform riders of the rules before the event,

- Vehicles must keep to the left of the track unless overtaking another vehicle or entering pit lane.
- Vehicles must endeavour to overtake on the outside 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. Reckless and dangerous driving, along with poor sportsmanship and inappropriate behaviour will not be tolerated.
- When a caution (yellow) flag is displayed on the track, **all vehicles must slow and not overtake. Vehicles observed overtaking whilst under the caution flag will be penalised.**
- If a vehicle becomes disabled 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 serious collision or rollover will have a "return to pits" sticker attached. These vehicles must immediately return to their pit and not leave again until cleared by the relevant scrutineer
- Riders must enter Pit Lane at a speed no greater than **10kmh** (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 accord when stopping in pits
- Portable music / electronic devices (e.g. i-pods, mp3 players, i-phones etc) are not permitted to be used while riding (and may not be mounted in vehicles). Riders not adhering to this safety rule will be stopped immediately.
- All riders are required to wear appropriate clothing (including safety gear) and covered shoes at all times whilst riding. EEV riders are required to wear overalls or coveralls.

Team managers must ensure that riders are wearing a helmet (that meets Australian standard), gloves, and safety glasses before entering the vehicle.

Marshals along pit lane will be checking these items vigorously throughout the event.

TRACK PENALTIES AND PROTEST PROCEDURE

Breaches of the track rules, or riding in a manner that is in breach of the spirit of the event, may result in disciplinary action. Track marshals reserve the right to make such decisions and to penalise teams where appropriate.

Track penalties include:

1st warning- 5 minute time penalty

2nd warning – 15 minute time penalty

3rd warning- disqualification

Protests regarding MASHALING decisions are to be directed to the Chief Marshal during the race.

PIT AREAS

Each school / group entering will be allocated at least one (minimum 3m x 3m) pit area upon registration on the day. Schools/organisations with multiple teams will be allocated a 6m x 3m pit area.

It must be noted that there is no existing shelter or power in the pit areas. Teams are encouraged to bring a small tent/marquee for rider and pit crew protection throughout the race.

Please ensure that all power boards and electrical leads/appliances are have be 'tested and tagged' and have date compliance tag. A fire extinguisher must be in close proximity to the generator at all times.

Teams running petrol fuelled EEV's are required to have a functioning fire extinguisher available in their pit area, and will be checked prior to the commencement of practice.

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

No vehicles/trailers will be permitted within the pit areas once the race setup has concluded.

At the end of the event all pit areas are to be left as they were found; all rubbish and equipment removed.

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.
- The pit lane must remain obstruction free at all times.

FIRST AID

Qualified medical staff and First Aid staff will be in attendance at the event for minor injuries and incidents. School Team Managers are required to have up to date medical record forms for each participant and parental contact details for use in the event of an emergency.

Should an ambulance be required, the injured person (or parents of) is responsible for ambulance payment, not the event organisers.

Current School Excursion Insurance is required, Team Manager are asked to check this prior to race day.

CAMPING/ACCOMMODATION

Camping is **not** available for teams that wish to stay overnight. Two toilet/ amenities blocks (including a disabled toilet and a shower) are available on site. A Coliban Water truck will also be in attendance for adequate supply of fresh water.

Accommodation information can be found on the Bendigo Tourism website.

www.bendigotourism.com

MASHALING

Each team is required to provide the names and contact details of two marshals to assist the event management committee with MASHALING duties on the day of the race should their assistance be required. Marshals should be familiar with the track rules and procedures.

A marshal briefing will be conducted prior to the start of the race.

A marshal roster will be emailed to relevant parties two weeks prior to the event.

OTHER IMPORTANT INFORMATION

MEDIA AND COMMUNICATION

The event committee will provide regular emails to registered teams before the event to keep them informed in the lead up to the series. The event will be promoted through local print media, news media and via the event website. Should you not wish to be photographed or filmed, please be sure to notify the media personnel in attendance.

INSURANCE

All participants on the day will be covered by third party theft and incidental damage insurance. School teams should still use school excursion forms and excursion cover as added protection.

CATERING

Teams are welcome to provide their own catering. BBQ's are permitted for catering purposes only (no fundraising). Each BBQ must have a current fire extinguisher nearby and an appropriately maintained gas bottle.

It is hoped that LIONS will provide a BBQ fundraiser. Mother Bean Coffee Van will be in attendance for the duration of the event.

EXTREME WEATHER

Extreme weather (rain) prior to the start of the event or during may result in a delayed start or enforced break.

In the event of lightning all racing will cease immediately.

In the event that extreme weather results in the event being cancelled, all costs will be covered and teams reimbursed with any remaining funds (this may or may not total the entry fee).

Decisions regarding the impact of weather on the race will be made by the event committee. Your full co-operation and understanding is requested during these times.

VEHICLE SPECIFICATIONS

Should be in accordance with the RACV Energy Breakthrough guidelines. These can be accessed via the event handbooks. <https://www.eb.org.au/>

FORMS

There are a number of forms that will need to be submitted to the registration desk when the team registers on the day.

- 1/ Rider indemnity form (one per rider)
- 2/ Team List (all riders will be provided with wrist bands)
- 3/ Team managers' declaration

These forms can be downloaded via <http://bendigoeevhvp.wix.com/grandprix>

BENDIGO EEV/HPV GRAND PRIX
Scrutineering checklist for teams.

As all teams are working towards satisfying the RACV Energy Breakthrough requirements, vehicles must comply to the following standards (in accordance with the RACV guidelines):

Vehicle specifications can be downloaded via <https://www.eb.org.au/school-zone/key-documents/schools-handbook/>

GENERAL SCRUTINEERING checklist (**HPV & EEV**):

- Roll bars and side intrusion bars as per RACV guidelines for school teams (50mm clearance above rider etc)
- Centre steer trikes – clearance of no less than 300 mm from the rider’s face to the steering wheel
- Safety must not be impaired by poor ventilation or vision
- Four point harness seatbelt (working buckle, no fraying)
- One mirror either side of the vehicle (unobstructed view required)
- Working horn and front/rear lights
- Two independent brake systems
- Working speedo
- Team numbers/ID panels must be displayed each side of the vehicle (tail end)
- Wheel guards must cover the inside of wheels
- Hair guard
- Chain guard
- Appropriate riding attire
- Transponders must be mounted on the inside of the vehicle (within 200mm of the road surface and not above carbon fibre or metal)

EEV SPECIFIC CHECKS:

The following checks will be key requirements that apply to EEV's (in accordance with the RACV guidelines) <https://www.eb.org.au/school-zone/key-documents/schools-handbook/>

FUEL ALLOCATIONS and BATTERY SPECIFICATIONS:

As per Energy Breakthrough guidelines.

Need to refer back to the vehicle rules and regulations? <https://www.eb.org.au/>