



**AVION**

*Newsletter Number*

*Two*

## *Avion sets new record!*

A border-to-border fuel efficiency run by Avion on October 11, 2008 resulted in a fuel efficiency of 113.1 mpg, which bested the previous record by 10 mpg. Mr. Craig Henderson, co-creator of the Avion, drove the vehicle from his facility near the Canadian border to the Fort Vancouver National Historic Site by the Columbia River at the Oregon border, a distance of 263.1 miles. Mr. Bill Green, designer of the Avion, accompanied the fuel efficiency run by riding in an escort vehicle driven by Mr. Alex Marr, a retired professional engineer, who also recorded the performance data. A film crew filmed the run in a separate vehicle. The fuel used was 2.326 gallons of commercial grade diesel. The record-making run started at 7:00 AM on a cold but clear morning. The route followed freeway Interstate 5 all the way except for short distances to access and exit the freeway when surface streets were used.

During the transit unforeseen heavy traffic was encountered at two locations. The first was an accident scene near Exit 176 and the second was lane closures near Exit 142 due to maintenance of road surface. In both cases the traffic was stop-and-go. The team eventually arrived at Fort Vancouver where an enthusiastic crowd of bystanders met them. After all data was recorded, Mr. Henderson and Mr. Green were interviewed on camera by a local television station.

Of course it is entirely possible the fuel efficiency could be even better had the team not met with traffic jams. Mr. Henderson says, "For now we are happy with the result and we have the vehicle and know-how to win the X-Prize Competition" and Mr. Green says, "We have a new design on the drawing board and we shall continue to create high fuel efficiency cars."



The team measuring fuel consumption