

Cornell AXP Mule: PHEV Geo Metro

Short Description: 4-seat lead-acid PHEV Geo Metro

Availability & Cost: mule exists now



Background and Details

- Cornell University is the only university team yet to enter the Automotive X Prize; their students and faculty have experience with Formula SAE and other vehicle contests
- This page features their mule (test car), a retrofitted 1991 Geo Metro, with 570 lbs of lead-acid batteries
- The rendering on the right is for the final race vehicle - about which little information exists yet
- I was not able to find any information about the size/power/type of motor(s) added to make the mule a PHEV
- Cornell AXP has been successful finding sponsors for their vehicle (see logos on mule above) - including Popular Mechanics, which regularly reports on their progress
- Students can take a lab class for academic credit to work on the team, about half the team members do so
- The Cornell AXP team was started in winter of 2006 by Phillip Bell, MBA '07, who approached a Professor about starting a team after he read an article about the AXP
- They are planning a mainstream-class vehicle for the AXP, and they will make the design public ("give it away")
- References: [Cornell AXP Wikipedia](#) [Popular Mechanics XPC Interview](#) [CornellSun 1](#) [2](#) [Geo Metro](#)



Mule Vehicle Stats

MPGe	44 MPG during 2008 Green Grand Prix
Weight	2370 lbs
L x W x H (ft)	12.4 x 5.1 x 4.4
HP	?
Range	?
Battery Info	? kWh lead-acid 570 lbs
Charge Time	?h (?V * ?A)
Motor	?
Engine	1L Suzuki turbo I3
Cd x Frontal Area	<0.37 x 25 ft^2