

The US federal government, which touts its historic 54.5 miles-per-gallon fuel-efficient standard for 2025 model year autos, might want to rethink that mark. It's downright puny compared to what teams of students achieved at the seventh annual [Shell Eco-marathon Americas](#), a challenge for students to design, build and test fuel-efficient vehicles that travel the farthest distance using the least amount of energy.

The team from Université Laval in Quebec achieved an impressive best run of 3,587 miles per gallon in the Prototype category with their gasoline-powered vehicle. Mater Dei achieved the highest mileage in the UrbanConcept Gasoline category with a remarkable 849.2 mpg.

The first place winners in each category for Shell Eco-marathon Americas 2013 are:

Prototype

Gasoline Energy

- **First Place:** With a best run of 3,587 mpg, the team from Université Laval in Quebec, Canada won a US\$2,000 first place prize with their vehicle, CT 2.0. Prize sponsored by Shell Nitrogen Enriched Gasolines.

Battery Electric

- **First Place:** The Mater Dei High School Supermileage team achieved 600.1 mi/kWh and won a US\$2,000 first place prize with their vehicle, 8th Gen.

Alternative Gasoline Energy

- **First Place:** With a best run of 1,579.9 mpg, the team from Alden Conger High School won a US\$2,000 first place prize with their vehicle, The Yielder.

Diesel Energy

- **First Place:** With a best run of 1,453.5 mpg, the team from Sullivan High School in Sullivan, Ind., won a US\$2,000 first place prize with their vehicle, Black Diesel.

Alternative Diesel Energy

- **First Place:** With a best run of 1,017.8 mpg, the team from Alden-Conger High School in Alden, Minn., won a US\$2,000 first place prize with their vehicle, General Lee.

Hydrogen

- **First Place:** The University of Colorado Denver team achieved 54.1 mi/kWh and won a US\$2,000 first place prize with their vehicle, H2 Eco-Challenger.

UrbanConcept

Gasoline Energy

- **First Place:** With a best run of 849.2 mpg, the team from Mater Dei High School won a US\$2,000 first place prize with their vehicle, 10th Gen. Prize sponsored by Shell Nitrogen Enriched Gasolines.

Diesel Energy

- **First Place:** With a best run of 316 mpg, the team from Louisiana Tech University in Ruston, La., won a US\$2,000 first place prize with their vehicle, HotRod.

Battery Electric

- **First Place:** The Purdue Solar Racing team from West Lafayette, Ind., won a US\$2,000 first place prize with their battery electric vehicle, Navitas, which achieved 78.1 mi/kWh.

Alternative Diesel Energy

- **First Place:** The Warsaw Area Career Center team from Warsaw, Ind., won a US\$2,000 first place prize with their FAME powered vehicle, Bengal Beast, which achieved 119.9 mpg.

Hydrogen

- **First Place:** The Cicero-North Syracuse team from North Syracuse, N.Y., achieved 26.6 mi/kWh and won a US\$2,000 first place prize with their vehicle, McMileage.

Special Awards for Shell Eco-marathon Americas 2013

Achieving the best fuel economy in a category wasn't the only way to win at Shell Eco-marathon Americas 2013. Teams were also given the opportunity to compete for one or more Special Awards, including awards for safety, design and team spirit.

2013 Eco-Design Award

A special "Eco-Design Award" was presented to Westside High School for their Prototype Battery Electric vehicle. The team's use of bamboo and design contributed to the fuel efficiency of the vehicle and incorporated eco-friendly and recycled materials into the vehicle. The team won a US\$2,000 prize for their vehicle, The Boss.

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Safety Award

The “Safety Award” recognized two teams who made the most extensive efforts to comply with the safety regulations of Shell Eco-marathon Americas. This award went to Sullivan and Alden-Conger High Schools. These teams both demonstrated safety as a top priority in vehicle design, construction and onsite behavior at Shell Eco-marathon Americas. They were awarded a prize of US\$2,000.

Technical Innovation Award Sponsored by Southwest Research Institute

The winner of the “Technical Innovation Award” goes to Cicero-North Syracuse High School for their Prototype and UrbanConcept vehicles. The team won a US\$2,000 prize for their vehicles, McMileage and Clean Green Machine.

Design Award

Shell Eco-marathon Americas 2013 “Design Award” was presented to California Polytechnic State University for their Prototype vehicle entry, Lamina. The “Design Award” was also presented to University of Louisiana at Lafayette for their UrbanConcept entry Candi. For their designs, each team was awarded a US\$2,000 prize.

Communications Award

This award recognized the University of Louisiana at Lafayette team who made outstanding communications efforts supporting their participation at Shell Eco-marathon Americas. For their efforts, the team won a US\$2,000 prize with their UrbanConcept vehicle, Candi.

Best Team Spirit

The “Best Team Spirit Award” was presented to Kimberly High School from Kimberly, Wis., who fostered cooperation and collaboration throughout the competition activities as they gave up a team member to serve as the driver for Swarthmore College. The team’s spirit transcended their on-site team was awarded a prize of US\$2,000.

Perseverance in the Face of Adversity

The “Perseverance in the Face of Adversity Award” was presented to the University of del Valle de Guatemala, for overcoming the obstacles the team faced to make it to the event. For their perseverance, the team won a prize of US\$2,000.

Scholarship Winners from Southwest Research Institute

Congratulations to Victor Loya from the University of Texas at El Paso who won a US\$1,000 scholarship from Southwest Research Institute.

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Shell Student Energy Challenge

At Shell Eco-marathon Americas 2013, students were encouraged to be part of the future of energy conversation by participating in the Shell Student Energy Challenge. The new prize category asked student teams to consider the wider energy context that surrounds their fantastic achievements in the mileage challenge. To participate, each school submitted at least one infographic that answers one of three energy-related questions provided by Shell.

- **Fourth Place:** University of British Columbia; received \$1,000
- **Third Place:** Purdue University; received \$2,000
- **Second Place:** University of Toronto; received \$3,000
- **First Place:** University of Missouri; received \$5,000

Shell Eco-marathon Americas would like to thank our sponsors who support our drive toward fuel efficiency. Sponsors include: SKF, Shell Nitrogen Enriched Gasolines, Southwest Research Institute, and Pennzoil.

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