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**Lattner, Jennifer**

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**From:** Masser, Michelle  
**Sent:** Wednesday, December 23, 2015 11:20 AM  
**To:** Harris, Laura  
**Cc:** Lattner, Jennifer; Gouveia, Susan  
**Subject:** FW: Go Smart! December 2015

CORRESPONDENCE

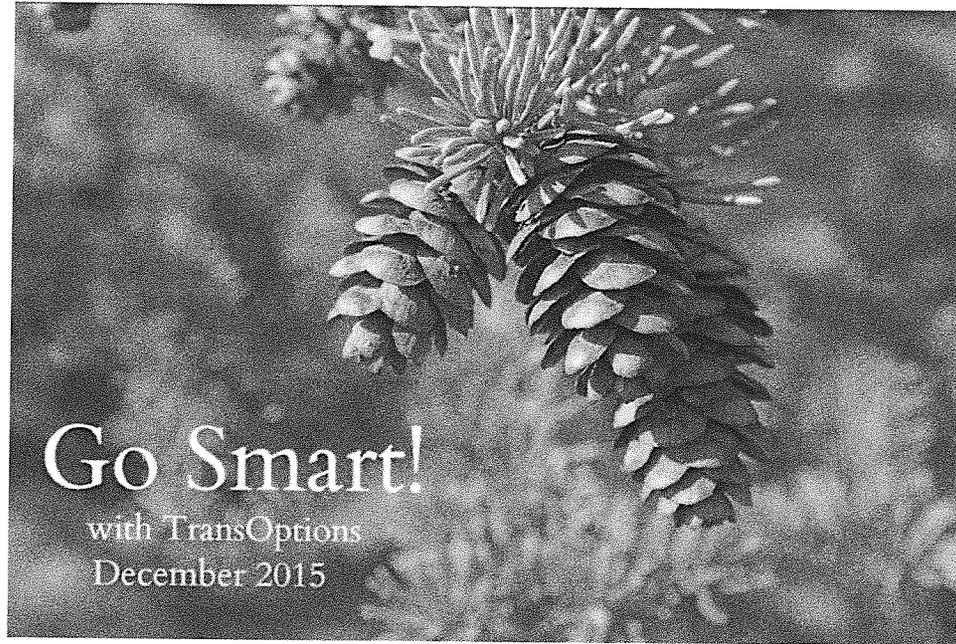
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**From:** TransOptions [mailto:Info=TransOptions.org@mail232.suw12.mcsv.net] **On Behalf Of** TransOptions  
**Sent:** Wednesday, December 23, 2015 11:12 AM  
**To:** Masser, Michelle <[clerkmichelle@mtolivetwp.org](mailto:clerkmichelle@mtolivetwp.org)>  
**Subject:** Go Smart! December 2015

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### **TransOptions Fueled Students' Creativity at STEM Challenge**

The 9th annual TransOptions Hydrogen Fuel Cell (H<sub>2</sub>) Model Car Challenge, which took place at New Providence High School on December 9th, brought science to life for students from 14 area schools. In total, 264 students took part in the process of designing and building cars that harness hydrogen power as a central part of STEM (Science, Technology, Engineering and Math) learning. The purpose of the H<sub>2</sub> Challenge is to promote technology in education and foster student interest in STEM learning.

“STEM education is critical for the success of our youth in today's competitive

technological age," said John F. Ciaffone, TransOptions President. "Hosting the Challenge is an integral part of our ongoing commitment to support environmental education and inspire high school students to explore careers in engineering and science."

As race day began, each of the 39 teams stopped at the judges' table where a panel scored their model car on craftsmanship and engineering. Each team also presented their Progress Journal that documented the concepts, designs and development of their model car.

Prior to their race, teams huddled at the starting line to power their model car's fuel stack by producing hydrogen through a process known as electrolysis. Students then competed against each other, racing their cars down a 33-foot-long track.

Awards were presented to the winners at the conclusion of the races in the categories of speed, progress journal, craftsmanship and engineering.

The winners were:

### **Speed**

1st Place – "Speed Racer" - Morris Knolls High School - Larry Dwyre and Jack Bondi

2nd Place – "Fast as Lightning" - High Point Regional High School - Daniel Banas, Nick Shrope and Jake Sharp

3rd Place – "Rocket" - Morris Knolls High School - Luke Drugac and Austin Erickson

### **Progress Journal**

1st Place – "Sparkly Sparkly Rainbows" - Union County Magnet School - Josh

Martin, Ethan Cheung, Alice Gao and Yousuf Elkhoga

2nd Place – "Fast Catz" - High Point Regional High School - Julia Esposito, Justin Flores, Justin Liebl and Zack King

3rd Place – "JAG" - Morris County Vo-Tech School - Jaime Allen, Alexandra Levoyer, Gemma Parente and Jennifer Jorgenson

### **Craftsmanship**

1st Place – "HyDrive" - Union County Magnet School - Adel Setoodehnia, Daniel Pattahil, Ben Liang and Eric Matrone

2nd Place – "The Bum Battalion" - Mountain Lakes High School - Owen Plante, TJ Costello, Nathan Henry and John Pentaleri

3rd Place – "The Honey Wagon" - High Point Regional High School - Ryan Gold, Shane Crothers and Paul Ell

### **Engineering**

1st Place – "Fast as Lightning" - High Point Regional High School - Daniel Banas, Nick Shrope and Jake Sharp

2nd Place – "Hydro 5" - Stardust Home School Academy - Hunter Gallo

3rd Place – "New Providence 2" - New Providence High School - Johnny Shapazian, Saad Khan, Colin Forbes and Jeffrey Blitt

Visit [TransOptions.org](http://TransOptions.org) to learn more about our free Environmental Education programs. To participate in next year's Challenge, contact Cindy Reuther at (973) 267-7600 or [creuther@TransOptions.org](mailto:creuther@TransOptions.org).

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### **How Companies Can Go That Extra “First” and “Last” Mile**

Companies can go that “extra mile” by providing their employees with shuttle services as a way to help them get to and from train stations to their work site. Shuttles typically run several times in the morning and again in the evening, providing employees with a connection to transit, often called a “first and last” mile shuttle. Providing this service, enables employees to leave their cars at home and get to work relaxed and ready to start their day.

A shuttle program allows companies to provide a valuable resource to help recruit

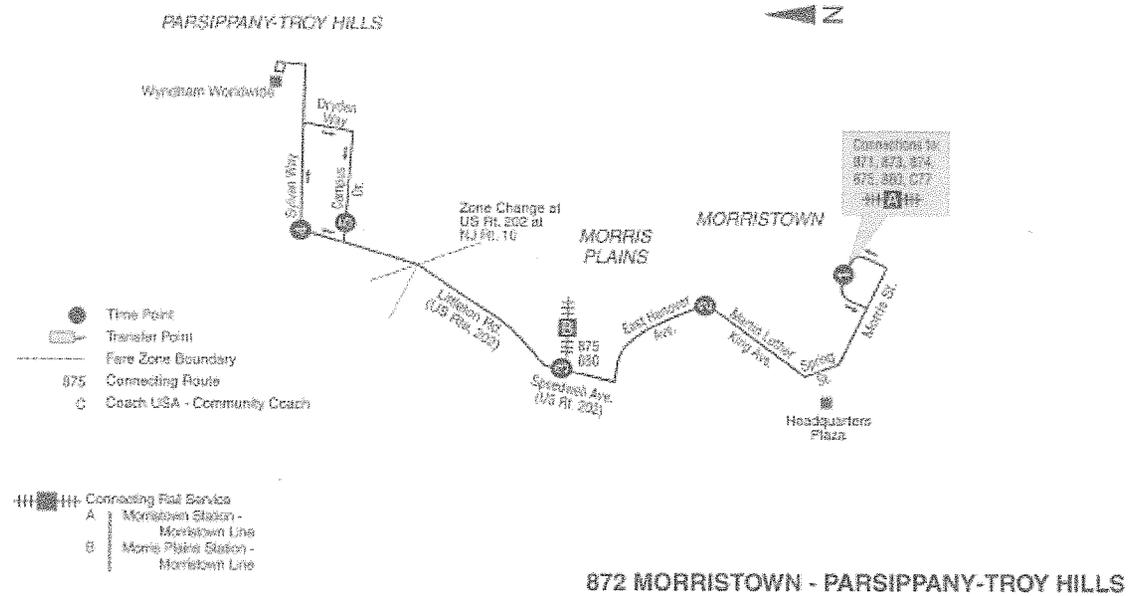
new employees and show current employees that their company has taken a vested and pro-active interest in them as well as the community and environment. Shuttles provide opportunities to maximize employee productivity during their commute and we find that employees are quite productive during that time. They create a networking community, in essence, a “think tank” on their way in to work where they share ideas and eliminate silos that may exist between departments. Many others spend their time getting an early start on the work day.

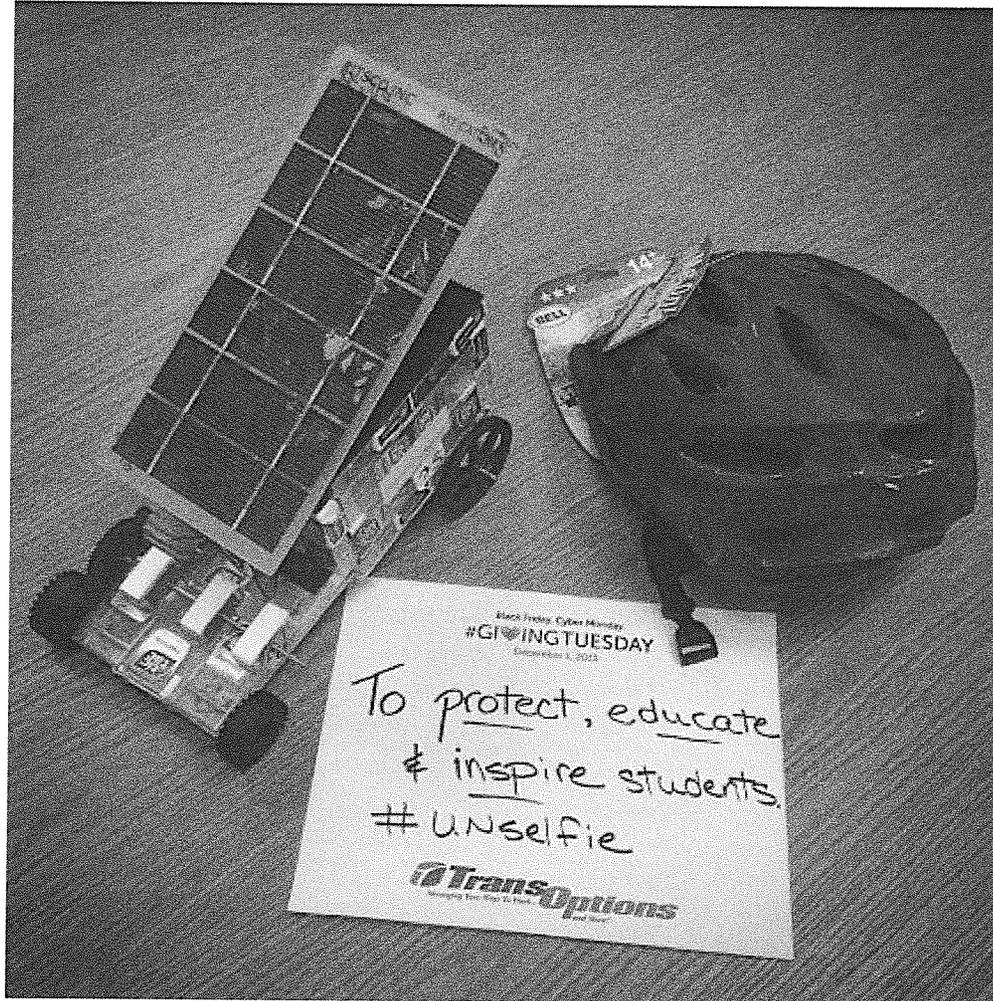
Other benefits to companies that promote a shuttle program or ridesharing of any kind, whether it is the use of public transit or providing preferred parking to those who carpool, includes highlighting a company’s environmental integrity within the business community. These become opportunities for businesses to market themselves as an environmentally conscious and a pro-active community leader. These efforts also make an impact on a global level by decreasing emission pollution and on a local level by actively addressing road congestion.

If your company doesn’t currently have a shuttle program, please let us know and we would be happy to provide you with more information and assist you in setting one up. For details on shuttles or to learn more about the other beneficial and free programs we have to offer, call Anne Vivino at 973-267-7600 or email her at [avivino@transoptions.org](mailto:avivino@transoptions.org).

**Helpful Transit Info:** *For anyone going to Sylvan Way or Campus Drive, consider*

taking advantage of the NJ Transit 872 bus. This bus travels from Morristown Station to the Mack-Cali campus in Parsippany - Troy Hills. For more information, go onto [njtransit.com](http://www.njtransit.com) or <http://www.transoptions.org/transit-schedules>.





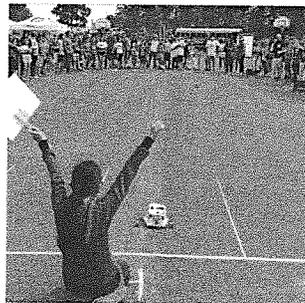
### **TransOptions Raised More Than \$700 as Part of #GivingTuesday**

In November, there was a day for shopping deals and a day for giving thanks, but December 1st became #GivingTuesday, a global day for philanthropy. TransOptions joined in the giving celebration, and through the generosity of

donors like you, raised more than \$700 to provide area children with free bike helmets and educational kits to be used during TransOptions' popular springtime STEM program, Junior Solar Sprints.

Although the global day of giving may have passed, it is still the season of giving and you can donate today!

A donation of \$10 will provide a bike helmet for a child in need to protect them in the event of a fall or crash.



\$15 will purchase an educational kit for a team of 4 Middle School students that will use science, technology, engineering, math, team building, imagination and creativity to build solar-powered model cars and participate in the Junior Solar Sprints challenge. A \$30 donation will help offset transportation costs for participating students to get to the challenge.

[Click here and donate today!](#) Then tell everyone you can about how you are giving this holiday season by using #GivingTuesday and @TransOptions.

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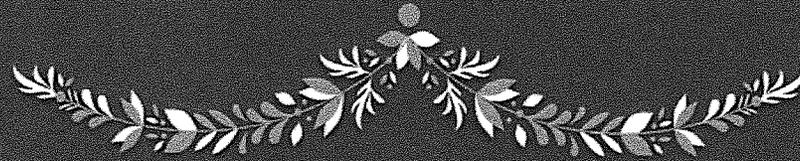


### **Still Making a List for This Holiday Season? Check This One Twice**

According to AAA, a record number of more than 100 million travelers are expected to hit the road as 2015 comes to a close. In New Jersey, approximately 90% of those travelers will be on the move by automobile. Extra congestion on the roads may equal traffic tangle-ups along the way during peak travel times. Whenever

possible, consider taking mass transit to avoid wrestling with traffic and parking issues. If not, consider the following list an important one to check off when you're behind the wheel to ensure you, and others on the road, make it to holiday parties safely:

- Never text while driving
  - Stop and stay stopped for pedestrians in crosswalks
  - Remain in the right-most lane except when passing another vehicle or preparing for a left turn
  - Observe speed limits
  - Move over one lane for emergency vehicles on multi-lane roads
  - Don't idle your vehicle for more than three minutes
  - Remember to always use headlights when windshield wipers are on
  - Always wear your seat belt, no matter how short the trip
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**MERRY CHRISTMAS**

**& A HAPPY NEW YEAR!**

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**FROM**

***TransOptions***



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