# Tech Center News®

WARREN, MICHIGAN

**VOL. 41 NO. 16** 

**Covers the Tech Center and the Immediate Area** 

**DECEMBER 26, 2019** 

# **Buick's Smart Technology Can Lead to Better Drivers**

Smart technology can help a that can help save owners money smart driver learn how to be a safer driver while saving money at the same time.

"With OnStar Smart Driver, vour Buick can now work with you to develop better driving skills," said GM spokesman Phil Collev.

"This recently launched opt-in service is available for most 2015-17 model-year Buick vehicles as part of the OnStar Basic Plan1 at no additional cost."

OnStar Smart Driver is designed to help Buick owners maximize their vehicle's overall performance, reduce wear and tear. monitor fuel efficiency and become better drivers - all factors

as well, Colley said.

Once enrolled, customers have online access via OnStar.com to information about their driving behavior, including:

- OnStar Smart Driver score calculated with driving data that can be sorted by day, week, month, year and lifetime.
- Historical OnStar Smart Driver scores.
- Total number of hard braking events and where they took
- Total number of hard acceleration events and where they took place.



CONTINUED ON PAGE 2 Buick allows owners to check their driving habits with their devices.

James Sawyer IV

## Sawyer Named MCC President Designate

selected to become Macomb Community College president designate.

The appointment is pending negotiation and approval of an employment contract by the board of trustees, said Jeanne Nicol, spokeswoman for the college.

"Even with a competitive and qualified candidate pool, Dr. Sawyer was clearly the best choice," said James F. Kelly, chair of the Presidential Search Advi-

James O. Sawyer IV has been sory Committee and chair of the reer Programs and dean of Engicollege's board of trustees, which made the selection.

> "His long-standing experience with the college and community, as well as his solid background in business, will ensure a smooth transition with a knowledgeable leader ready to fully leverage Macomb's strengths while effectively guiding the institution into the future."

> Sawyer has 14 years of experience at Macomb, previously serving as vice provost for Ca

neering and Advanced Technolo-

In addition, he has 17 years of business experience in leadership positions in engineering, quality and operations prior to joining the college.

Sawyer earned a bachelor of science in mechanical engineering from Lawrence Technological University, and a master's in administration and doctorate in

**CONTINUED ON PAGE 2** 

# GMs' Environmental Efforts Add Up to \$1B in Savings

People may be dreaming about ble way," said Alicia Boler-Davis, a white Christmas, but GM is proud of its green year.

General Motors achieved a record number of landfill-free facilities in 2016, exceeding its commitment four years early, said GM spokeswoman Becky Price.

The Detroit automaker now operates 152 global facilities that recycle, reuse or convert to energy all waste from daily operations.

These 52 non-manufacturing sites and 100 manufacturing sites contribute to GM's top and bottom lines by driving efficiencies, generating revenue and saving money, Price said.

We are committed to manufacturing cars and trucks for our customers in a safe and responsiGM executive vice president, Global Manufacturing.

While we continue to increase the reuse of byproducts, our vision is to eliminate waste by applying the most advanced manufacturing processes and technologies in our plants globally.'

Whether it's recycling Flint water bottles into engine cover insulation or turning trashed tires from the Mississippi River into air-deflecting baffles, the company is working together with its suppliers to advance a more circular economy where materials are kept in use, Boler-Davis said.

General Motors champions matchmaking efforts, Price said, such as the Materials Marketplace, where one company's trash can be another's raw mate-

Altogether, General Motors recycles or reuses 2 million metric tons of byproducts over the course of a year.

If someone were to place that material into the beds of Chevrolet Silverado extended-cab pickup trucks and park them end to end, they would stretch around

General Motors has generated up to \$1 billion in savings from recycling in recent years, Price

The company reinvests that money into the business, including the development of fuel-efficient vehicles and new technologies shaping the future of personal mobility. Landfill-free facilities



Alicia Boler-Davis

result in greater operational efficiency and eliminate waste-hauling fees.

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# Technology, Greening Grabbed the Headlines in 2016

The year was a busy one.

In 2016, automobile products that had been talked about for years finally became a reality.

GM's Chevrolet Bolt EV. Fiat Chrysler's hybrid minivan Pacifica and Ford's technology-loaded Escape made the headlines.

Other major newsmakers were autonomous vehicles, the Volkswagen diesel emission scandal and the Takata airbag debacle.

Dan Nicholson, vice president of Global Propulsion Systems at General Motors, talked about the Chevy Bolt making it to market.

The Bolt is the first mass-produced EV with the ability to travel distances so it eliminates the problem of driver range anxiety,' Nicholson said.

And, Nicholson said, the Bolt hit the marketplace two years before Tesla's Model 3. That California automaker began taking or-

ders for the vehicle in April, despite the fact that it told potential buyers the vehicle won't be ready to be sold until late 2017 at the earliest.

The Bolt was first unveiled as a concept car at the 2015 North American International Auto Show. GM began testing 50 Bolt prototypes at GM's Milford Proving Ground the following June.

GM CEO Mary Barra announced in January of 2016 at the Consumers Electronics Show (CES) that GM was putting the Bolt into production.

"The message from consumers about the Bolt EV concept was clear and unequivocal: Build it," said Alan Batey, president of GM North America, at the Chicago Auto Show in March.

GM delivered the first Bolts to customers on the West Coast just a couple of weeks ago, meaning the car went from concept to reality in less than two years. But GM wasn't the only compa-

ny making strides in green technology in 2016. Fiat Chrysler introduced the world's first hybrid minivan to the marketplace.

The 2017 Hybrid Pacifica began production at Windsor Assembly in early December.

The vehicle made its debut at the 2016 NAIAS. Patrick Keitz, product manager for the 2017 Pacifica, said the announcement was made in Detroit because that's where the minivan was cre-

"What's great about the Hybrid Pacifica is that we didn't have to sacrifice interior space to make the vehicle possible," Keitz said at the time of its introduction.

'We put the batteries in the stow-and-go space below the seats so people don't lose cargo

space. Thus, the Pacifica still has best-in-class interior

The pivotal technology behind the new Chrysler Pacifica Hybrid is its innovative electrically variable transmission (EVT), Keitz said. Patented by Fiat Chrysler, the device features two electric motors, which are both capable of driving the vehicle's wheels.

Green innovations weren't the only technologies reaching fruition in 2016.

Alisa Priddle, editor of the Detroit bureau of *Motor Trend* magazine, said that 2016 was the year that driver assistance, sometimes referred to as autonomous technology, became a reality.

"This tech really took off in 2016," Priddle said. "Companies

**CONTINUED ON PAGE 3** 

## Marinello Leaves GM Board, Named Hertz Global CEO

Kathryn Marinello has resigned from GM's Board of Direc-

Her retirement comes following Marinello's appointment as president and chief executive officer of Hertz Global Holdings, effective Jan. 3, 2017. Marinello joined GM's board in July 2009.

'On behalf of the board and the entire GM family, I'd like to personally thank Kathy for her many contributions to our company over the last seven years," said GM CEO Mary Barra.

"She brought us valuable insight and counsel in many areas, from automotive financing and IT to the voice of the customer. Kathy will definitely be missed, and we wish her all the best with her exciting new opportunity.'

Marinello has served as senior advisor of Ares Management, a global asset manager, since rejoining that company in March 2014, said GM spokesman Dave Barnas. Before that, she served as chairman and chief executive officer of Stream Global Services. Inc., a global business process outsource service provider specializing in customer relationship management.

Marinello served as senior advisor and consultant at Providence Equity Partners, a private equity firm, from June to August

She served as chairman and chief executive officer of Ceridian Corporation, a human resources outsourcing company, from December 2007 to January 2010 and president and chief executive officer from 2006 to 2007.

Prior to joining Ceridian, Marinello spent 10 years at General Electric Company, serving in a variety of senior roles, including president and chief executive officer of GM Fleet Services, a division of GE, from 2002 to 2006.

## Lipari Foods Inc. To Build Complex, **Create 337 Jobs**

Warren-based Lipari Foods, Inc. is investing \$39.4 million to build a state-of-the-art 252.000square-foot freezer, warehouse and truck terminal building in the city of Warren.

The project will create at least 337 new jobs over three years, said Macomb County official Jack Johns.

Lipari Foods is a wholesale food distributor that serves food-service establishments and retailers throughout the Midwest, Johns said. The site chosen for the redevelopment currently comprises two salvage yards on Bunert Road, south of East Eleven Mile Road.

"This project would never have happened without the help of several city, county and state departments," said Thom Lipari, CEO of Lipari Foods. "In particular, the Macomb County Department of Planning & Economic Development, in conjunction with Jack Johns, project coordinator, guided us through all the necessary paperwork to secure approximately \$5.9 million in tax abatements over 12 years."

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Deadline: Thursday 5:00 p.m. for the next edition of Monday

William Springer II, publisher Lisa A. Torretta, operations Jim Stickford, news

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## Buick Smart Tech Helps Make Roads Safer

**CONTINUED FROM PAGE 1** 

- High-speed driving percentage.
- Late-night driving percentage.
- Total miles driven.
- Average MPG and MPH.
- Comparisons to the aggregate total of all other enrolled drivers.
- Helpful tips on how to become a smarter driver.

And OnStar Driver can pay off in other ways as well, Colley said. For example, customers may also choose to enroll in the Insurance Discounts Eligibility2 portion of the service, which is a risk-free way to see if their driving behavior qualifies them for discounts, without revealing any personal details to insurance companies.

Participating insurance companies currently include Progressive, Liberty Mutual and Nationwide, and good driving behavior can lead to potential savings of up to 30 percent on car insurance.

The OnStar Basic Plan is available for five years from the delivery date of eligible 2015 model year and newer vehicles and is transferable.

Basic Plan does not include emergency, security or navigation services; these and other services require a paid plan. Onstar.com has details.

## Discuss a Book, Have a Brew

Books, Brew & Banter is the Warren Public Library's book club in a more casual setting – a brewery.

Each month, the library will offer the public the opportunity to enjoy good books, brews and conversation in a laid-back atmosphere.

The next meeting of Books, Brew & Banter will discuss *Portnoy's Complaint* by Philip Roth. The event will be held at Falling Down Beer Co. between Ryan and Dequindre in Warren on Tuesday, Jan. 17, at 7:30 pm.

A copy of the book and possible discussion questions can be picked up at the Miller Branch Library Circulation Desk (located in the Warren Community Center).

Registration is required for this event to ensure enough seating. For more information and to register online, visit www.warrenlibrary.net, or call 586-751-5377



# TACOM Analyst Honored for Aiding in Warfighters' Safety

TACOM's Adele Saba has been named to the *Crain's Detroit Business* '40 Under 40' class.

The annual selection honors 40 overachievers under 40 years of age

The award is based on factors such as financial impact and community leadership.

To be eligible, nominees must have been 39 or younger as of Oct. 3; Saba is 30.

Saba was nominated by Cheryl Kennelly, Chief of TACOM Life Cycle Management Command's Resource Management Business (G8) Office.

Saba, who is the daughter of Jordanian immigrants, began her work in G8 as a civilian program analyst in 2008. Since then, she has transferred to the Army's Tank Automotive Research, Development and Engineering Center (TARDEC).

In G8, Saba led the team charged with developing strategy and disbursement of \$500 million annually for overseas contingency operations – TACOM's largest budget element, said Higgins.

According to Saba, some of the funds were used for "resetting" Army equipment to optimal condition after it returned from combat operations. Funds were also

used to buy weapons systems for warfighters, to build trained and ready forces, and to procure chemical and biological protective equipment for soldiers.

In addition, Saba also led the teams that conducted annual resource summits to plan for the next fiscal year and managed budget formulation requirements for five years into the future. "Her leadership role directly impacted Army readiness, and soldier support, safety and survivability," said TACOM spokeswoman Rae Higgins.

When Saba was named as one of Crain's '40 Under 40,' she said, "It was heartwarming. I had to reread the email notification a couple of times to make sure" of what it said.

Saba said her parents "were really proud of me and they felt happiness because they came here from another country to get a better opportunity."

At TARDEC, Saba is a program analyst for ground vehicle and power mobility.

"I ensure the warfighter is adequately equipped with all necessary items to ensure he or she is as safe as possible out in the field" by allocating money to those programs, Saba said.



Adele Saba

Kennelly said she immediately thought of Saba when she received Crain's nomination application. "She is truly special. Not only does she possess the technical knowledge to lead the financial sustainment mission for TACOM G8, she has the heart to lead people.

"Not only is she respected and admired by her peers, but by her subordinate team members and superiors as well.

"Adele is special and I am honored to know her," Kennelly added. "She is a great example that women can do it all – she is a fantastic mom, [and is] devot-

ed to her husband and family while supporting our troops."

The '40 Under 40' honor isn't the only recognition she has received. Saba received several honors for budget planning in 2014, including the Army Achievement Medal for Civilian Service, the G8's Award of Excellence, and a congratulatory note from TACOM's two-star commanding general, said Higgins.

"The medal singled out her exceptional service as the command lead for the development of the TACOM LCMC FY15 Operations and Maintenance, Army Resource Summit. The Award of Excellence recognized her for overseeing the closeout of the command's \$1.2 billion Supplemental Program.

"The commanding general's note was for going above and beyond the call of duty in helping the TACOM LCMC obligate more than 50 percent of our Operations and Maintenance, Army program funds in the first six months of the fiscal year," said Higgins.

TACOM, headquartered in Warren, is the only active-duty U.S. Army installation in the tristate area of Michigan, Ohio and Indiana.

# GM's Temporary Closings Will Idle 10,000 Employees

DETROIT (AP) – General Motors will temporarily close five factories next month as it tries to reduce a growing inventory of cars on dealer lots.

The factories will close anywhere from one to three weeks due to the ongoing U.S. market shift toward trucks and SUVs, spokeswoman Dayna Hart said Dec. 19. Just over 10,000 workers will be idled.

The company's Detroit-Hamtramck factory and Fairfax Assembly plant in Kansas City, Kan., each will be shut down for three weeks, while a plant in Lansing, will be down for two weeks. Factories in Lordstown, Ohio, and Bowling Green, Ky., each will be idled for one week.

The factories make most cars in the General Motors lineup including the Chevrolet Cruze, Camaro, Corvette, Malibu, Volt and Impala; the Cadillac CT6, CTS and ATS; and the Buick Lacrosse.

At the current sales pace, GM dealers have enough Malibus to last for 84 days and enough Camaros to last for 177 days, according to Ward's Automotive. Normally automakers like to have a 60-day supply on lots.

Last month, trucks and SUVs made up almost 62 percent of all vehicles sold in the U.S.

GM, like other automakers, was caught with too many cars on dealer lots as the shift continued, said Jeff Schuster, senior vice president of forecasting for the LMC Automotive consulting firm.

Automakers have started discounting cars, but they need to cut production as the shift continues, he said.

"There's nothing that suggests a move back to cars," Schuster

He predicted strong December sales but said it won't be enough "to overcome some of this bloating of inventory."

Buyers are snapping up SUVs largely because they like the high seating position and the ability to haul things. Gasoline prices around \$2 per gallon have helped the sales, but SUVs also have become more fuel efficient.

GM's inventory of vehicles on dealer lots at the end of November stood at 874,162, up 26.5 percent from the same time a year ago. Workers at the plants will get company supplemental pay and unemployment benefits that add up to most of their pay

## MCC Board Votes On New President

CONTINUED FROM PAGE 1

educational leadership from Central Michigan University.

The selection of Sawyer as the college's sixth president is the culmination of a national search that officially opened in September 2016 to identify a replacement for retiring Macomb Community College president James Jacobs.

An 18-member Presidential Search Advisory Committee, appointed by the college's board, reviewed applicants in the initial stage of the process, referring four finalists for the consideration of the full board of trustees.





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DECEMBER 26, 2016 COVERS THE TECH CENTER AND THE IMMEDIATE AREA PAGE 3

# Technology, Greening Grabbed Headlines in Year 2016



GM CEO Mary Barra introduces 2017 Chevrolet Bolt EV at Consumer Electronics Show Jan. 6 in Las Vegas.

CONTINUED FROM PAGE 1

really invested in ride safety and that technology has become standard in a lot of vehicles. Talk became reality."

Ford, for instance, in January announced that the 2017 Escape's available features would include:

- Adaptive Cruise Control with Collision Warning and Brake Support: Sensors detect when Escape is approaching a slow-moving vehicle and adjusts cruise control accordingly;
- Enhanced Active Park Assist: Provides automatic steering assistance to park the vehicle in a parallel or perpendicular parking spot, and pull out from tight parallel parking spots;
- Lane-Keeping System: The system includes lane-keeping assist, which alerts drivers when they drift unintentionally from

## Art Van Furniture, Red Cross Team For Blood Drive

With the goal of increasing blood donations in the critical winter months, Art Van Furniture has partnered with the American Red Cross to host a community blood drive on Thursday, Dec. 29 from 8 a.m. to 2 p.m. at Art Van Furniture's Warren location, 6500 E. 14 Mile Road.

"It is so important to give back," said Kim Yost, CEO of Art Van Furniture. "Knowing that you have helped save a life in the process is one of the most rewarding feelings.

"Art Van Furniture is honored to join with the American Red Cross for another year and help provide millions in need the chance of life.

"To some it may seem like a small and simple gesture, but to one person it can mean the world."

The American Red Cross is the largest single supplier of blood and blood products in the United States, collecting and processing approximately 40 percent of the blood supply for patients in approximately 2,700 hospitals nationwide, said Karen Gilbert, Special Event manager for Art Van Furniture.

A single donation can help save the lives of up to three people.

Eighty percent of the blood donations given to the American Red Cross are collected at mobile blood drives set up at community sites, while the remaining 20 percent are collected at American Red Cross donor centers, Gilbert said.

their lane, and lane-keep aid, which provides steering assistance to guide an unintentionally drifting vehicle back in its lane;

• Driver Alert System: Using data from the lane-keeping system, Driver Alert detects signs of fatigued driving and provides a warning on the instrument cluster.

In September, Ford accelerated its autonomous vehicle research at the new robotics lab at the University of Michigan. As a result of this, Ford became the first company to co-locate in an academic building as its engineers worked side-by-side with U-M researchers.

In early December, the state of

Michigan passed legislation that greatly increased the ability of companies to test autonomous vehicles on public roads.

The Associated Press wrote, "companies can now test self-driving cars on Michigan public roads without a driver or steering wheel under new laws that could push the state to the forefront of autonomous vehicle development.

"The package of bills signed into law Dec. 9 comes with few specific state regulations and leaves many decisions up to automakers and companies like Google and Uber.

"It also allows automakers and tech companies to run autonomous taxi services and permits test parades of self-driving tractor-trailers as long as humans are in each truck. And they allow the sale of self-driving vehicles to the public once they are tested and certified, according to the state."

Within days of that announcement, GM declared that the company would be testing autonomous vehicles on public roads.

And Fiat Chrysler announced that the company had completed building 100 Hybrid Pacificas meant to be outfitted with fully self-driving technology being developed by Waymo (formerly known as the Google Self-Driving Car Project). These vehicles will join Waymo's self-driving fleet in 2017.

Other issues rolled over into 2016 from 2015. The Volkswagen diesel emission scandal continued to make news. In September of 2015, the company admitted to making and installing "defeat" devices designed to fool emission tests.

In September, James Robert Liang, a VW engineer who worked in California, admitted as part of a plea deal with the Justice Department that the defeat device was purposely installed in VW diesels sold in the United States.

In October, a federal judge approved a final settlement that required VW to offer to buy back about 475,000 vehicles. The buyback values ranged from \$12,000 to \$44,000.

The company also agreed to pay \$2.7 billion in environmental mitigation fees and another \$2 billion for clean emissions infrastructure.

The Takata airbag scandal also continued in 2016. The company makes airbags for most OEMs and, beginning in 2013, companies began recalling vehicles with Takata airbags because, under certain circumstances, airbags could deploy with so much force that flying debris could injure or even kill drivers and passengers.

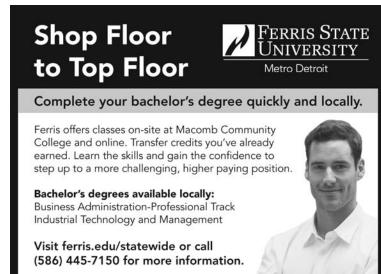
In May of 2016, the National Highway Traffic Safety Administration (NHTSA) initiated a recall campaign affecting about 35 to 40 million vehicles.

Despite these efforts, a truck transporting Takata airbag parts was involved in a crash in Quemado, Texas, in August. The crash caused the cargo to explode, destroying a house and killing a woman inside.



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# VW Reaches Deal with Feds

swagen reached a deal that will give at least some owners of the remaining 80,000 diesel vehicles caught in the company's emissions cheating scandal the option of a buyback and provide compensation to all of them on top of any repurchase or repairs, U.S. regulators and a federal judge said Dec. 20.

The \$1 billion settlement with the U.S. Environmental Protection Agency will give owners of 20,000 3-liter diesel cars the choice of a buyback. The figure does not include additional payments to owners.

Volkswagen believes it can bring the other 60,000 vehicles into compliance with pollution reached a nearly \$15 billion deal regulations and will not offer a buyback if that's the case, U.S. District Judge Charles Breyer said in San Francisco.

the German automaker will contribute to an environmental fund to offset the cars' excess pollution, Cynthia Giles of the EPA things right" for its customers.

SAN FRANCISCO (AP) - Volk- said in a conference call with reporters.

Additional compensation for car owners will be substantial, according to the judge, but he did not provide a figure and said the sides still had more work to

am optimistic the parties will resolve the remaining issues," Breyer said, without elaborating on what was left to be done.

The settlement was a major step toward rectifying lawsuits stemming from the global scandal that erupted last year, damaging Volkswagen's reputation and hurting its sales.

The company previously for 475,000 2-liter diesel cars also programmed to cheat on emissions tests.

Hinrich J. Woebcken, president The deal includes \$225 million and CEO of Volkswagen Group of America Inc., said the agreement announced Dec. 20 was part of Volkswagen's "efforts to make

# Mustang Power Attracts Women's Praise

The Ford Mustang has added yet another award to its trophy case - Women's Performance Car of the Year 2016.

Up against a field of 294 competitors, Mustang emerged as the top performance car in the Women's World Car of the Year awards, said Ford spokesman Dan Jones.

The awards are determined by 17 judges across 14 countries the only vehicle honors in the world granted by a panel made up entirely of women.

Mustang's closest contender was the critically acclaimed Ford Focus RS, with just one point separating the two, Jones said.

The 2016 Mustang was created, in part, Jones said, by a group of women.

included Thev Susan Lampinen, Ford Chief Color and Materials designer; Melanie Banker, Ford Mustang Marketing manager; Michele Lubin Henning, Ford Vehicle Integration supervisor, and Marcy Fisher, Ford Vehicle Line director.

The judges posted opinions about the Mustang on the



From left, Lampinen, Banker, Lubin Henning and Fisher

Women's World Car of the Year Facebook page.

"Ford Mustang is surprisingly loved by women who are after a sexy, sporty, masculine car that turns heads," said Juliet Potter, Women's World Car of the Year jury member from Australia.

"Combining the car's silverscreen celebrity status with realpracticality, Mustang

screams, 'I am in control!' and delivers the same behind the wheel with above-average grip and suspension. The Mustang is a true joy to drive."

Maggie Barry of Scotland and Motoring editor, Media Scotland (including Daily Record and Sunday Mail), also had kind things to say about the Mustang.

"I think we had a really good lineup of winning cars this year from the practical to the utterly desirable," Barry said. "I love the look and sound of the Mustang – it's just so gutsy ..."

Marta Garcia Fernandez of Spain, motoring editor for Quo magazine, said that the Mustang was an iconic car that takes its heritage as a classic muscle car seriously, but it also comes with advanced technology and has a very good relationship between power and price.

Odiel Menink is from Holland and is the founder and test editor for autoblog Femme Frontaal, which gives the female perspective on cars.

She wrote that the "new Ford Mustang is the most playful rear-

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## Feds to Investigate Fiat Chrysler Rollaways

by TOM KRISHER AP Auto Writer

DETROIT (AP) - The U.S. auto safety agency has opened an investigation into complaints that another 1 million Fiat Chrysler vehicles can roll away after the owners shift transmissions into park, a problem similar to the one being blamed in the death of Star Trek actor Anton Yelchin.

The investigation by the National Highway Traffic Safety Administration covers Chrysler's top-selling vehicle, the Ram 1500 pickup from the 2013 to 2016 model years, as well as the 2014 to 2016 Dodge Durango.

The rollaway complaints are similar to those that prompted the recall of 1.1 million Jeep Grand Cherokees and other vehicles earlier this year, although those vehicles have different shifters.

Yelchin, 27, known for playing Chekov in the film series, died in June after his 2015 Jeep Grand Cherokee pinned him against a mailbox pillar and security fence at his home in Los Angeles.

His Jeep was among the vehicles recalled in April because of complaints from drivers who had trouble telling if they put the console-mounted shift levers in "park" after stopping. Many reported that the vehicles rolled off after the driver exited. Los Angeles police are still investigating Yelchin's death.

In the new investigation, the government says Rams and Durangos have rotary knob shifters that are linked electronically to the transmission. The knobs are turned to the left or right and have detents that click into gear.

But the government said in documents posted Dec. 20 that it received 43 complaints alleging that the vehicles rolled away unexpectedly. Owners reported 25 crashes and nine injuries. Thirtyfour of the owners alleged that the vehicles moved while the shifters were in park, and most said the engines were running.

"Notably, none of the reports indicate that the parking bake was engaged at the time of the rollaway incident," NHTSA said in the documents. Fiat Chrysler says it's cooperating with the investigation, and it joined NHTSA in urging drivers to always use parking brakes when they stop vehicles.

Both Fiat Chrysler shifters are different from conventional levers on the steering column or console. Most cars have console shifters that slide forward or backward to indicate the car's gear. They used to be tied to a cable that physically changed gears. But the auto industry has

## Area Food Program Needs Volunteers

The Macomb Food Program, whose mission is to provide food for the hungry in Macomb County, is seeking volunteers.

The Macomb food Program provides immediate relief to those in need of emergency food through a network of more than 50 pantries and hunger relief organizations. The Macomb Food Program supplies food twice a month at no cost to ensure

pantry shelves are stocked. Food to supplement donated non-perishable is purchased with donations and grants.

Volunteers are needed at the Macomb Food Program's warehouse to sort and re-box donated food products that will be distributed to its network of pantry distribution sites. For more information, www.mca.macombgov.org or call 586-469-6004.

developed new transmissions with the gear selection controlled electronically.

TECH CENTER NEWS - WARREN

The Grand Cherokee shift levers like Yelchin's had to be pushed forward or backward to change gears, confusing many drivers. In the recall, Fiat Chrysler changed the software so the vehicles automatically shift into park if the driver's door is opened.

In the latest investigation, no recall has been issued, but one is possible. NHTSA says it's investigating the scope of the problem.

## **Capuchin Soup Kitchen Sets Fundraiser**

Detroit Capuchin ministries is holding its fifth annual Bocce with the Brothers fundraiser on Friday, Jan. 20, at 6 p.m. in Villa Penna, 43985 Hayes Road, Sterling Heights.

The event benefits the Detroit Capuchin ministries, said Capuchin spokeswoman Colleen Crane. Tickets are \$50 per person and include a buffet dinner, desserts, and unlimited Bocce ball. Also featured will be the Gary Greenfelder Orchestra, Piano by Noelle & Friends, and speed painter Dave Santia.

A silent auction will also take place, Crane said.

Tickets are only available in advance by calling the Capuchin Development Office, 313-579-2100 ext. 170.

'The Capuchin friars' presence has been part of the fabric of Detroit for nearly 135 years,' organizer Mike Schodowski said. "This is an excellent opportunity to get to know the friars in a relaxed setting, all while supporting the Capuchin ministries here in Detroit.'



Join us as we feed and give hope to those need it most this Holiday season. Please purchase your meal tickets today for \$2.05 each.

Donations to the Grace Centers of Hope Holiday Meal Ticket Campaign can be made online at www.GraceCentersofHope.org or by calling 1-855-Help-GCH.

Meal tickets can also be purchased at each of the Grace Centers of Hope Thrift Stores.

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2016 GMC Sierra DBL CAB SLE 4WD 1500 MSRP: \$43,715

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INCENTIVES INCLUDED: GM Employee Pricing, GM Lease Loyalty + Select Model

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2016 BUICK CASCADA \$26,959\*



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CHEVROLET



## **GMs' Environmental Efforts** Add Up to \$1B in Savings

CONTINUED FROM PAGE 1

Repurposing waste into vehicle components or plant supplies means the company doesn't have to buy virgin material.

We view sustainability as a business approach," said John Bradburn, GM global manager of Waste Reduction.

"We look at ways we can grow and strengthen our business for the long term, and that often means reducing our environmental footprint while maximizing social benefit."

About a third of GM's total landfill-free sites are technical centers, warehouses and offices, Price said.

While in the midst of a major renovation at three Michigan facilities, GM partnered with Herman Miller and Green Standards to repurpose surplus office assets into \$1 million of in-kind donations to about 100 Michigan-based community organizations.

Landfill-free sites added this year in Michigan are:

- Powertrain plant in Romu-
- Warehouse in Flint;
- Aftersales operation in Madison Heights;
- Storage facility in Grand Blanc.

GM also added landfill-free sites in Asia, Africa, North America and South America:

- Engine, parts distribution center and stamping operation in Talegaon, India;
- Distribution center in Charlotte, N.C.;
- Parts distribution center and assembly plant in Quito, Ecuador;
- Two assembly plants and distribution centers in

Port Elizabeth, South Africa;

- Assembly plant in Cairo, Egypt;
- GM Canada headquarters in Oshawa, Canada;
- Foundry in Toluca, Mexico;
- An assembly plant, stamping plant, technical center, engineering facility and support office in São Caetano do Sul, Brazil;
- Assembly plant in Bogota, Colombia.

With the Toluca, Mexico, foundry now on the list - a site that melts and molds metal to make auto components - none of GM's manufacturing operations in Mexico send waste to landfills. All GM European Opel/Vauxhall manufacturing plants have been landfill-free since 2015.

## MSU Getting New STEM Building

EAST LANSING, Mich. (AP) -Michigan State University is planning a new building that's designed to bolster the university's efforts to support growth in STEM-related fields with research.

school's Board The Trustees on Dec. 16 gave the university the go-ahead to proceed with construction of the Interdisciplinary Science and Technology Building. The project is expected to cost about \$100 million. Construction starts in August and is projected to be finished in August 2019.

The 170,000-square foot facility will play a key role in support of MSU's Global Impact Initiative and encourage research related to the Science, Technology, Engineering and Math fields, known as STEM.

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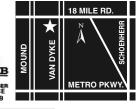
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See dealer for details. All Rebates/Incentives have been deducted from sale price/payment and are subject to change by manufacturer without notice. GM Employee discount required unless otherwise noted. The Cruze Hatchback lease includes GM Lease Loyalty or Lease Conquest. The Silverado, Traverse, and Equinox leases assumes that you qualify for Chevy Lease Loyalty or Lease Conquest. To qualify for Lease Conquest wou must have a NON-GM Lease in the household that terminates within 365 days. All lease payments are based on 10,000 miles per year. 1st payment, tax, title and plate fee due at signing on all leases unless otherwise noted. All deals expire 01/03/2017



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- Chevrolet Complete Care INCLUDED! Stock# H34660

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