Detroit Auto Scene

"FIRST IN THE HEART OF DETROIT"

VOL. 86 NO. 39

OCTOBER 8, 2018

GM in the Pink in Fighting Breast Cancer

event sponsorships.

employees continue contributions toward the battle against breast cancer by supporting the American Cancer Society Making Strides Against Breast Cancer for the eighth consecutive year.

Chevrolet supports those affected by breast cancer, as well

Chevrolet and General Motors as their families, during National nate \$5 (up to \$400,000) for Breast Cancer Awareness Month through Making Strides Against Breast Cancer activities

This year, Chevy pledges to do-

support for those affected by breast cancer using the hashtag Some of those activities in-#IDriveFor during October, said clude employee walk participa-GM spokeswoman Afaf Farah. tion, customer engagement and

contributions resulting All

every social media post showing

CONTINUED ON PAGE 3



Much like this fight-breast-cancer walk last year, a similar walk will take place Oct. 13 outside GM's RenCen.



Collins explains to students how FCA's manufacturing process works.

FCA Manufacturing Day Tour Set for Warren Truck

a taste of what a manufacturing job entails at a special Manufacturing Day event held at FCA's Warren Truck facility.

Manufacturing Day is an annual event sponsored by manufacturing companies and is designed to encourage young people to look at careers in manufacturing jobs, said FCA spokeswoman Jodi Tinson.

Approximately 60 students from Stevenson High School in Utica and the Warren Career Prep Center on Oct. 5 were given

Macomb County students got a tour of FCA's Warren Truck site and were given lessons in manufacturing skills at the facility's Work Hardening Center.

Precious McCoy, a trainer at the Work Hardening Center, said the training the students received was a sample of exactly the kind of training new hires are given before they are put on the production line.

"Back when I started 19 years ago, we were hired and put on the line immediately," McCoy

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Novi Supplier Hosts Events to Inspire Students

To celebrate and foster the next generation manufacturing workforce, 16 Cooper Standard facilities hosted events to celebrate Manufacturing Day.

As a national sponsor and event host, Cooper Standard opened its doors to its local communities to showcase the wonders of modern manufacturing and inspire attendees to pursue manufacturing-related careers, said Coooper-Standard spokeswoman Sharon Wenzl.

The events at Cooper Standard's North American facilities included career discussions, interactive presentations and tours of manufacturing facilities.

In addition, employees from Cooper Standard's southeast Michigan facilities partnered with Dow Chemical and the National Association of Manufacturers to host an event at the SAY Detroit Play Center in Detroit to raise awareness and excite vouth about real and attainable roles in manufacturing and the education pathways to achieve them, Wenzl said. "In the 21st century, manufacturing careers can be high-tech, interesting and rewarding, and are a crucial contributor to our national economy," said Jeffrey Edwards, chairman and CEO, Cooper Standard. 'As a global automotive supplier, Cooper Standard has committed itself to engaging and fostering this next-generation workforce. Manufacturing Day is a great way to help that cause, as it introduces students to the tremendous potential that



2018 Lincoln Navigator



2018 Chevrolet Suburban



FCA Defies Auto Industry Trend by Showing Sales Increase

are slowing down despite a run on big SUVs.

Major automakers said Oct. 2 that U.S. sales fell 7 percent in September and 4 percent for the June-through-September quarter, compared with the same periods last year.

FCA outsold Ford Motor Co. in

DETROIT (AP) – Vehicle sales 2018's sales figures up 15 percent over the same time last year.

Weaker industry numbers for September and the third quarter wiped out a 1.8 percent gain during the first half of the year, and left auto sales on pace with 2017. Some analysts had cautioned that the first-half gains were driven by incentives and low-margin

Ford sales analyst Erich Merkle suggested that the September numbers were hurt by Hurricane Florence, which flooded parts of the Carolinas. That made it tougher to compete with September 2017, when sales were boosted by owners replacing cars after Hurricane Harvey hit Houston, he said.

"The trickle-down effect of elevated interest rates really started hitting car shoppers in September," he said.

General Motors Co.'s chief economist, Elaine Buckberg, predicted 2018 will be the fourthstraight year with industry sales above 17 million vehicles. She said a new trade agreement Edmunds analyst Jeremy among the U.S., Mexico and

September – the first time Detroit's No. 3 automaker has done so since January 2007. The company reported its best September

sales to fleet buyers like rental car companies.

Industry officials blamed the recent weakness partly on hurrisales numbers in 18 years, with canes – in both 2017 and 2018.

Acevedo also noted that while Canada will ease uncertainty for prices and interest rates for auto the auto industry, and consumer buyers are rising, favorable credit deals are getting harder to find.

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The Ford light bar uses three light signals to indicate vehicle status.

Ford's New Tech Shows What **Self-Driving Cars Are Doing**

deploy self-driving vehicles, there's a tendency to focus most on the customers who will be riding in these vehicles.

"At Ford, we're working to earn the trust of everyone involved, including all road users and entire communities where self-driving vehicles will be operating. For this technology to be successful, it's critical it be integrated into society in a way that makes everyone confident in

In the journey to develop and how it works to serve people and business," said John Shutko, Ford Human Factors technical specialist for Self-Driving Vehicles.

> The idea that pedestrians, cyclists and scooter users should change their behavior to accommodate self-driving cars couldn't be further from Ford's vision of how this technology should be integrated. It's why those at the

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AAA Michigan Says Gas Prices Up in State

DEARBORN, Mich. (AP) - AAA Michigan says average gas prices statewide are up about 10 cents in the last week of September to a price of about \$2.98 per gallon.

The Dearborn-based auto club says early Oct. 1 that the average price for self-serve regular unleaded gasoline has seen a price increase of about 48 cents more than at the same point last year.

Michigan's lowest average price was about \$2.96 per gallon in the Flint area.

The highest was in the Marquette area for the second consecutive week at about \$3.05 a gallon.

The Detroit-area's average was about \$2.97 per gallon, up about 4 cents from the same time a week earlier, AAA Michigan experts said.

In order to determine average gasoline prices in the state, AAA Michigan surveys daily fuel prices at 2,800 gas stations across the state.

Mike Manley has made his first moves as newly-appointed CEO of FCA.

Manley was named to his new position by the FCA board of directors following the unexpected death of the company's previous CEO Sergio Marchionne in July.

On Oct. 1, Manley issued an email to FCA employees worldwide delinating what the company's new leadership team would be.

"In the last 60 days, I have travelled between our APAC(Asian-Pacific), EMEA (Europe, Middle East, Africa) and NAFTA regions and I'm looking forward to my trip to LATAM in the next few weeks," Manley wrote. "I've been able to meet with many of you and to discuss our roadmap to delivering the commitments in the Five-Year Business Plan we laid out on June 1st. Having been deeply involved in the development of the plan, I can tell you that it was created with the sure knowledge that we have the depth and breadth of talent and skills we need to meet our objective of becoming one of the world's most profitable automakers.

"I'm not saying we'll not have challenges to overcome. The next five years will continue to be extremely challenging for our industry, with tougher regulations, intense competition and probably slower industry growth around the world. Nevertheless, with a laser focus on execution and a continued flexibility that allows us to adjust as circumstances change - something that has become one of our most unique characteristics and strengths - we have a clear line of sight to achieving our five-year ambitions.'

Manley stated that one key element in the plan is to ensure that the company's leadership team



FCA Reveals Changes in Company's Leadership Structure

FCA CEO Mike Manley

is best aligned to its objectives going forward.

He went on to write that FA has an outstanding team with extensive experience and an exceptional record of success.

To that end, Pietro Gorlier was named Chief Operating Officer (COO) of the EMEA region. Pietro has a proven track record of commercial and industrial expertise with FCA.

Manley said he is an experienced operator globally, and as a second generation employee whose father worked for Fiat in Italy, and brings a deep respect and knowledge of our operations in Europe. He will retain the role as head of Mopar Globally. Steve Beahm will assume responsibilities for Mopar in the North America region, while continuing in his role as Head of the Chrysler, Dodge and Fiat Brands in North America.

Ermanno Ferrari was named CEO of Magneti Marelli, Manley stated. Ermanno most recently served as the Head of Magneti Marelli's lighting division, its largest business unit, and previously worked throughout Marelli's various business lines, including senior level roles in the Shock Absorber and Suspension businesses. In his new role, Ermanno will join the Group Executive Council (GEC).

Harald Wester was named Chief Operating Officer of Maserati. Harald will maintain his role as Chief Technology Officer. Manley wrote that he has a deep understanding of the premium brand market place, and this appointment will also enable him to apply the most advanced of our technologies to our premium brand, Maserati.

Tim Kuniskis was named head of Jeep Brand North America. Tim will maintain his responsibilities as Global Head of Alfa Romeo and will apply his proven skills in product and marketing to two of the industry's most cherished brands, both of which have significant growth ambitions in the company's five-year plan.

Reid Bigland was named head of Ram Brand. Reid previously led the Ram Brand in 2013 – 2014 which, under his leadership, experienced sales growth of nearly 50 percent. With the new Ram Light Duty Truck nearing full production and the new Ram Heavy Duty planned to come to market in mid-2019, Bigland has the right products and the skills to take Ram to the next level, Manley wrote. He will maintain his roles leading our Canadian operations and U.S. sales.

Scott Garberding was named Global Chief Manufacturing Officer. Manley noted that he has nearly 30 years of industrial experience at FCA, including leading North American manufacturing, the company's global Purchasing organization when he was based in Italy, and most recently global Quality.

Garberding has an in-depth knowledge and understanding of our world-wide manufacturing system and of the people that work in FCA's plants.

"Scott succeeds Stefan Ketter who at the beginning of this year notified us of his plans to step down from his role at FCA," Manley wrote. "On behalf of all the many colleagues with whom he has worked so closely, I want to express our warm thanks to Stefan for his valued contribution over the years.'

Richard Schwarzwald was named Global Head of Quality. He succeeds Garberding in the role and brings more than 25 years of automotive quality and supplier quality experience, Manley wrote.

Richard has most recently led our Quality organization in Latin America, and previously held senior leadership positions at several automotive OEMs and suppliers," Manley wrote. would like to congratulate Richard and his team in Latin America for making significant quality improvements, particularly for Jeep, including achieving 1st Quartile for Jeep Renegade in a most recent independent rating survey. In his new role, Richard will join the Group Executive Council (GEC). In related changes, Mark Champine assumes responsibility for Quality in North America, and Geraldo Barra assumes responsibility for Ouality in Latin America.'

Manley concluded his email by writing that the "announcements further align our leadership structure to the achievement of the targets set out in our fiveyear plan. These appointments ensure that we will maintain our focus on the highest degree of execution and excellence in each of our regions and across our functional groups. They also provide the appropriate support to our broad-based brand portfolio and reinforce our disciplined approach to capital allocation.

"My congratulations to those leaders taking up new roles. And my thanks to you all for your continued dedication to the everyday task of ensuring that FCA continues to meet and then exceed the needs and expectations of our customers worldwide."



State Cracks Down on Intoxicated Driving

Driving while intoxicated is a big problem in the state of Michigan. And the state's police have been working hard to reduce the number of incidents and save lives.

Officers from police departments, sheriff's offices and Michigan State Police posts across Michigan arrested 274 drunk drivers, issued 56 open intoxicant citations and 992 seat belt and child restraint citations during the recent Drive Sober or Get

"Motorists were asked to make responsible decisions as they celebrated the end of summer and Labor Day activities. Unfortunately, some motorists made bad choices.'

Preliminary reports also indicate officers made 95 drug arrests and 56 felony arrests during the nearly three-week effort. Of the 183 arrests for drunk driving, 35 people had a blood alcohol concentration (BAC) of .17 percent or higher.

County found the driver in possession of open intoxicants and upon his arrest discovered it was his third offense for operating while intoxicated.

According to preliminary reports, there were 11 traffic fatalities in 11 separate traffic crashes during the 2018 Labor Day holiday period, Arend said.

Two of those deaths involved alcohol.

In Michigan, it is illegal to drive with a BAC of .08 or higher, although motorists can be arrested at any BAC level if an officer believes they are impaired, Arend said.

Pulled Over crackdown

The stepped up drunk driving enforcement began Aug. 17 and ran through the Labor Day holiday weekend, said Michigan State Police spokeswoman Kari Arend.

"To enhance safety and reduce traffic fatalities, Michigan law enforcement officers have zero tolerance for motorists impaired by drugs or alcohol," said Michael L. Prince, Office of Highway Safety Planning (OHSP) director.

Law enforcement officers from Bay County arrested several suspects for driving with a suspended license or with no insurance and arrested one suspect for having a BAC above .17.

A driver from St. Clair County crashed his vehicle, then fled on foot eventually jumping into the St. Clair River, Arend said.

After officers removed him from the water. he was arrested for operating under the influence of drugs. A traffic stop in Monroe

enhanced Motorists face penalties even if arrested for a first-time drunk driving offense with a .17 BAC or higher, Arend said.

The Drive Sober or Get Pulled Over campaign was supported with federal traffic safety funds coordinated by the OHSP, Arend said.



Detroit Auto Scene

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"FIRST IN THE HEART OF DETROIT SINCE 1933"

PAGE 3



Honda will invest \$2 billion in Cruise over the next dozen years.

GM in the Pink in Efforts To Fight Breast Cancer

CONTINUED FROM PAGE 1

from Chevrolet's #IDriveFor campaign and other Making Strides Against Breast Cancer initiatives help the American Cancer Society fund efforts to end breast cancer, including research, education for health care professionals, screening guidelines and promotion for early detection.

Chevrolet's continued support for breast cancer awareness is one of the major initiatives that underpins the brand's new community-focused marketing platform, Chevy Cares.

Chevy Cares will also encompass the brand's efforts that support military members and their families, youth sports and relief assistance in areas where Chevrolet and its dealers work and live

"We know that when we engage at the local level and support causes that our employees, dealers and consumers are passionate about, it helps bring communities together," said Paul Edwards, U.S. vice president, Chevrolet Marketing.

We are proud to roll out Chevy Cares as a unifying effort that will allow us and our dealers to do even more in the communities where we live and work, including building on the success of our partnership with the American Cancer Society to raise even more awareness and financial support for breast cancer research.

Chevrolet will participate in national, regional and local events and activities throughout the month of October and encourages all to get involved

200

with a Making Strides Against Breast Cancer local walk to support those affected by breast cancer.

Chevrolet also will donate \$350 (up to \$50,000) for each caution lap taken by this year's Team Chevy-commissioned pink Chevrolet Camaro SS Pace Car.

The donations will occur at two Monster Energy NASCAR Cup Series races at Talladega Superspeedway on Oct. 14 and Martinsville Speedway on Oct. 28

Employees across the country are participating in local Making Strides Against Breast Cancer walks by gathering co-workers, family and friends to show their support.

A number of employees will participate in the Detroit walk at Hart Plaza near the GM Renaissance Center on Saturday, Oct. 13, Farah said.

To learn more about that walk, visit the American Cancer Society's Make Strides Against Breast Cancer - Detroit page.

The American Cancer Society is the largest voluntary health organization consisting of two million volunteers.



GM, Honda Team Up to Develop AV Tech

Cruise and General Motors Co. they have joined forces with Honda to pursue the shared goal of transforming mobility through the large-scale deployment of autonomous vehicle technology.

Honda will work jointly with Cruise and General Motors to fund and develop a purpose-built autonomous vehicle for Cruise that can serve a wide variety of use cases and be manufactured at high volume for global deployment.

In addition, Cruise, General Motors and Honda will explore global opportunities for commercial deployment of the Cruise network said GM spokesman Tom Henderson.

Honda will contribute approximately \$2 billion over 12 years to these initiatives, which, together with a \$750 million equity investment in Cruise, brings its total commitment to the project to \$2.75 billion.

In addition to the recently announced SoftBank investments, this transaction brings the postmoney valuation of Cruise to approximately \$14.6 billion, Henderson said.

"This is the logical next step in Motors, SoftBank and now Hon-General Motors and Honda's relationship, given our joint work on electric vehicles, and our close integration with Cruise," said General Motors Chairman and CEO Mary Barra.

"Together, we can provide Cruise with the world's best design, engineering and manufacturing expertise, and global reach to establish them as the leader in autonomous vehicle technology - while they move to deploy self-driving vehicles at scale."

"Honda chose to collaborate with Cruise and General Motors based on their leadership in autonomous and electric vehicle technology and our shared vision of a zero-emissions and zero-collision world," said Honda Executive Vice President and Representative Director Chief Operating Officer Seiji Kuraishi.

'We will complement their strengths through our expertise in space efficiency and design to develop the most desirable and effective shared autonomous vehicle.'

"With the backing of General

da, Cruise is deeply resourced to accomplish our mission to safely deploy autonomous technology across the globe," said Cruise CEO Kyle Vogt.

"The Honda partnership paves the way for massive scale by bringing a beautiful, efficient, and purpose-built vehicle to our network of shared autonomous vehicles.'

University of Michigan Raises \$5B

ANN ARBOR, Mich. (AP) - The University of Michigan has raised \$5 billion so far during its multi-year fundraising campaign that's scheduled to wrap up at the end of 2018.

University President Mark Schlissel announced Thursday the "Victors for Michigan" campaign reached that mark with support from more than 382,000 donors. He says in a statement it's evidence of the power of the University of Michigan family.

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TUESDAY, OCT. 16, 2018

Meeting 1: 7:00 - 7:50 a.m. (breakfast included) Meeting 2: 11:30 a.m. - 12:20 p.m. (lunch included)

Location: Courtyard by Marriott Detroit Warren (30190 Van Dyke Ave., Warren, MI 48093)

TUESDAY, OCT. 23, 2018

Meeting 1: 7:00 - 7:50 a.m. (breakfast included) Meeting 2: 11:30 a.m. - 12:20 p.m. (lunch included)

Location: Detroit Marriott at the Renaissance Center (400 Renaissance Dr., Detroit, MI 48243)

ALL ATTENDEES WILL BE OFFERED A COMPLIMENTARY RETIREMENT STRESS TEST!



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Hinrichs kicked United Way's fundraising drive for 2018.

United Way Fund Drive For 2018 is Now Underway

vice president and president, Global Operations has launched the 2018-19 United Way Community Giving Campaign.

on Sept. 28 announced a goal of \$46 million and 25,000 volunteer hours. The kick-off event was at United Way's headquarters in Downtown Detroit's Campus Martius.

United Way for Southeastern Michigan President and CEO Dr. Darienne Driver joined Hinirchs, along with Ford and nonprofit volunteers, who assembled thousands of job interview, literacy and hygiene kits to benefit children and adults.

"I look forward to working with my campaign cabinet to improve the lives of those in need across southeast Michigan," says Hinrichs, who this year began a twoyear commitment as campaign chair. "In addition to our core fundraising work, it is exciting to focus on the role volunteers play in making a difference. Not only

Ford's Joe Hinrichs, executive do volunteers expand our ability to help, they reap the rewards of a personally enriching experience.'

Since 1949, Ford Motor Compa-As Campaign Chair, Hinrichs ny Fund, the philanthropic arm of Ford Motor Company, has been a proud supporter of United Way for Southeastern Michigan and its predecessor United Foundation of Detroit, Hinrichs said.

Beaumont Site Earns Praise

ROYAL OAK, Mich. (AP) -Beaumont Hospital in Royal Oak has earned its fourth consecutive nursing designation by the American Nurses Credentialing Center's Magnet recognition program.

The program was created in 1994 and recognizes health care organizations for quality patient care, nursing excellence and innovations in professional nursing practice.

Ford Study Looking at Future of Driving

CONTINUED FROM PAGE 1

company have been hard at work developing an interface Ford believes will help self-driving vehicles seamlessly integrate with other road users, Shutko said.

"Today, we're calling on all selfdriving vehicle developers, automakers and technology companies who are committed to deploying SAE level-4 vehicles and believe these vehicles should communicate intent - to join us and share ideas to create an industry standard for communicating driving intent, whether it be driving, yielding or accelerating from a stop," Shutko said.

"The work we've already done is now open to others through a memorandum of understanding that is intended to make it easy for us all to work together."

Why is this the best approach? Automakers want everyone to trust self-driving vehicles - no matter if they are riders in these vehicles themselves or pedestrians, cyclists, scooter users or other drivers sharing the road, Shutko said.

Having one, universal communication interface people across geographies and age groups can understand is critical for the successful deployment of self-driving technology, he said.

"Last year, we worked with Virginia Tech Transportation Institute (VTTI) to conduct a realworld study of what we call a self-driving intent interface, a light bar mounted to the top of a windshield of a Ford Transit Connect van," Shutko said.

"We took this step after initial design and testing in virtual reality scenarios confirmed the learnability of the signal patterns we had developed."

The VTTI team designed a seat suit that concealed an actual human driver to simulate the van

operating on its own to determine if the signal patterns communicating its intent were successful.

Ford tested three different lighting scenarios, as well as a baseline condition where the lights were off, to observe how pedestrians and other road users responded to the vehicle signaling its intent:

- Yielding: Two white lights moving side to side to indicate vehicle is about to come to a full stop.
- Active driving mode: Solid white light to indicate vehicle intends to proceed on its current course (although can respond appropriately to objects and other road users in the course of its travel).
- Start-to-go: Rapidly blinking white light to indicate vehicle is beginning to accelerate from a stop.

"We outfitted the Transit Connect with multiple cameras that allowed us to observe hours of road user response to various signaling of the vehicle's actions over the course of more than 2,000 miles," Shutko said.

"The VTTI team cataloged all the footage and found that the light signal interface did not encourage any unsafe behavior by other road users. The results prove there is a baseline for us to build from in terms of the potential to improve acceptance of self-driving vehicles and trust in the technology."

Ford then conducted another study in the virtual reality space to test the trust and acceptance hypothesis where Ford employees had arrived. In the digital world, they placed study participants on a street corner to observe and gauge reaction to a complex mix of vehicles driving through an intersection, some

equipped with the intent interface light signals and some without.

With no prior explanation of what the different signals meant, we found it took about two exposures for participants to learn what a single signal meant and between five and 10 exposures to understand the meaning of all three lighting patterns.

'What's most encouraging is that the signals had a positive effect on people's trust in self-driving vehicles, with participants reporting the light signals increased their understanding of what a self-driving vehicle will do," Shutko said.

"Now, we're ready to take our learnings from the virtual world back into the real world. We're installing the self-driving intent interface on a small fleet of our Fusion Hybrid self-driving development vehicles to be used by Argo AI in Miami-Dade County.

Ongoing testing will continue to expose pedestrians and other road users to the light bar so we can observe their reactions."

Ford is also conducting research in Europe to understand how the same signals are received there to ensure they are universally understood across regions and cultures.

In addition to the proposal to accelerate the industry coming together to work toward standardization, Ford continues to work in parallel with the International Organization of Standardization (ISO) and the Society of Automotive Engineers (SAE) to create a unified communication interface for self-driving vehicles.

The goal is to reach an agreement in three core areas - placement of the signals on a vehicle, design of the signals and the color of the light signals themselves, Shutko said. Ford is open to sharing the scenarios developed for the virtual reality study.



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FCA Hosts Local Students at Warren Truck

CONTINUED FROM PAGE 1

said. "Someone would show you what to do and you better have been able to do it."

Now hires are sent to the Work Hardening Center and trained in three different modules, McCoy said. Each module training session lasts a day and the new hires are shown exactly what to do – and they have time to improve their coordination and actually have time to learn their jobs under the tutelage of an FCA trainer.

One of the tasks students were able to perform was the placing of pegs into holes. The activity teaches coordination and how to use both hands while working. Each peg had one end that was yellow and one end that was red. Students were given patterns to reproduce, with each pattern having some spots red and some spots yellow.

McCoy said she likes to create a sense of competition so students work hard to correctly reproduce the pattern they are shown in the fastest time.

"This teaches them to use both hands," McCoy said. "There are no one-handed jobs on the line."

Wendi Gentry, head of Supply Chain Management for FCA, spoke to the students during the tour portion of the day. She said it was important for students to know what a career in manufacturing really means.

"The young people I talk to tell me they are looking for the one perfect job," Gentry said.

"I tell them that there is no one perfect job and that during my career at FCA I've had many jobs. With a career in manufacturing, these young people can learn many different skills and do many different things without ever leaving a company.

"It's important to promote manufacturing jobs because it's a tight labor market. We are competing with other manufacturers and new companies like Amazon. There are great jobs out there and we need to promote them."

Trainer Dedrick Collins showed students how to install airbag components in a truck. He said that it's important for line workers to know how to do their jobs.

"Everything you do is important," Collins said. "When you install a system, your name is attached to the work. If there is an accident and the airbag doesn't deploy, you will want to know that you did the job right so that they can look at someone else when there is a lawsuit. That's why we train so hard."

Michigan State

House Passes Bill Looking at Taxex

LANSING, Mich. (AP) – Michigan lawmakers want the state to periodically hire outside contractors to evaluate the effectiveness of the state's economic development incentives.

A bill requiring the independent assessments won approval on a 104-3 vote in the state House on Oct. 3.

The sponsor, Republican Rep. Thomas Albert of Lowell, says taxpayers deserve to know if they are getting appropriate value from the programs. He says the reviews would promote government accountability and efficiency.

The evaluations would be posted on a state website and would also consider incentives' economic impact and effects on other businesses, along with the impact on the state budget.

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European Carmakers Push EV Technology

PARIS (AP) – European carmakers are rolling out electric vehicles like the ones on view last week at the Paris Motor Show to burnish their reputations as technology leaders and to compete with Tesla. But also because EU regulations don't leave them much choice.

New emission standards mean Europe will soon see an upsurge in electric offerings, outpacing the United States, where the regulatory push has eased under the Trump administration, but still likely lagging China, where the government is mandating more e-cars.

The new rules could increase sales of electrics in Europe from a minuscule 0.6 percent of the 14.5-million vehicle annual market to the high single digits over the next five or six years. From about 10 available models there would be several dozen to choose from.

Many questions remain open, not least the availability of public, fast-charging stations to match Tesla's proprietary network. And customers, especially those aiming to get the most for their money, may think electrics are virtuous enough in theory – but in practice don't buy them because they cost more, and because reliable places to charge up away from home remain scarce.

At the Paris show, Daimler's Mercedes-Benz is showing off the EQC, while Volkswagen's Audi has the e-tron, both battery-powered. They should be on the streets in the next few months, the e-tron this year and the EQC in 2019. PSA Group's luxury brand, DS, is showing off the DS 3 Crossback, a compact SUV that will offer an all-electric version from the second half of 2019. Volkswagen will follow in 2020 with its ID electric four-door compact.

BMW already makes the i3 compact and plans an electric version of its X3 SUV in 2020.

Automakers are obviously trying to grab some of the buzz Tesla earned with its Model X SUV and Model S high-performance sedan.

But the European Union's collective effort to cut the output of greenhouse gases also weighs heavily in the automakers' plans. They must cut average emissions of CO2 for new cars sold in Europe from the 2015 goal of 130 grams (4.6 ounces) of CO2 per driven kilometer to 95 grams per kilometer in 2021, or pay heavy fines.

Last year, average emissions actually crept up, to 118.5 grams per kilometer from 118.1 grams.

One of the reasons is plunging sales of diesels, hit by Volkswagen's scandal over cheating on emissions tests. Diesels can emit more nitrogen oxide, which is bad for people's health, but less CO2.

The automakers are moving ahead even though current sales are tiny, saying that if the vehicles are attractive enough, demand will come.

"You just have to walk through the show to see that the offers are increasingly arriving at the dealers," said Daimler CEO Dieter Zetsche at the Paris event.

Carlos Tavares, the CEO of France's PSA Group, said it was impossible to predict the future mix of sales between gasoline, diesel, electric and plug-in hybrid cars, which start out electric but have gasoline motors to charge the battery if needed.

FCA Sales Numbers Defy Recent Trends

CONTINUED FROM PAGE 1

confidence remains high because of the strong job market.

Confidence might explain why more consumers are gravitating toward SUVs and trucks despite having to spend more for gasoline to keep them running.

Ford said September sales of Lincoln Navigators – a tiny fraction of the company's sales – soared 77 percent, and they stayed on dealer lots for an average of just 12 days. At General Motors, a 12 percent gain in combined sales of the Chevrolet Tahoe and Suburban and GMC Yukon large SUVs helped push the company's average transaction price up by \$700.

Meanwhile, Ford reported that sales of cars plunged 25.7 percent in September, compared with a 9.9 percent drop for pickups and a 2.7 percent dip for SUVs.

FCA reported Jeep brand sales rose 14 percent to 83,764 vehicles. It was the ninth consecutive time Jeep has set a monthly record for total sales. It was the sixth time this year Jeep brand sales have surpassed 80,000 vehicles. The Cherokee and Compass led the way with sales rising 87 percent and 46 percent, respectively.

Jack Hollis, general manager of the Toyota division in North America, said on a call with reporters that the industrywide ratio of truck and SUV sales to car sales is nearing 70-30, adding that he is "not so sure that it's stopping quite yet."

While industry officials expressed optimism in the economy, automakers have other concerns.

New U.S. tariffs on imported steel and aluminum could increase their costs. A new trade deal also could make vehicles more expensive by raising the amount of content required from North America to avoid duties, and requiring that at least 40 percent of a car's content be built where workers earn \$16 an hour.

Here is how major automakers fared at U.S. sales in the third quarter, according to Edmunds, which provides content, including automotive tips and reviews, for distribution by The Associated Press:

- General Motors, down 11 percent to 694,638.
- Toyota, down 6 percent to 634,923.
- Ford, down 4 percent to 606,939.
- Fiat Chrysler, up 10 percent to 564,507.
- Honda, down 5 percent to 419,173.
- Nissan, down 9 percent to 343,987.
- Subaru, up 4 percent to 180,558.
- Hyundai, up 1 percent to 166,653.
 Kia, down 2 percent to
- 158,479.Volkswagen, up 2 percent to
- 93,330. • BMW, down 1 percent to
- 83,236.Mercedes-Benz, down 14 percent to 77,965.
- Mazda, down 10 percent to 71,198.

Manufacturing Day Held

CONTINUED FROM PAGE 1

Cooper Standard established its STEM Affinity Group to inspire

Previous Courtesy Vehicle with Approx. 2,500 miles NO SECURITY DEPOSIT REQUIRED

Equiped with Power Locks, Power Windows, Power Mirrors, Keyless Entry, Back-Up Camera & More...



2019 CHEVY EQUINOX LT



NO SECURITY DEPOSIT REQUIRED Equiped with 1.5L Turbo Engine, 7" touch screen radio, Onstar, Bluetooth, Keyless Entry Back Up Camera, Alum. Wheels, Deep Tinted Glass & More...



*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 on all leases. All the leases assume that you qualify for GM Lease Loyalty. To qualify for GM Lease Loyalty you must have a GM Lease in the household. All lease payments are based on 10,000 miles per year. 1st payment, tax, title and plate fee due at signing on all leases otherwise noted. All deals expire 10/31/2018. manufacturing jobs have to of-fer."

Manufacturing Day - held on the first Friday in October and throughout the month - is an annual celebration of modern manufacturing during which manufacturers invite community members to their facilities in a collective effort to educate students and their families about career opportunities, while improving public perceptions of the industry, Wenzl said. Produced by the National Association of Manufacturers, the Manufacturing Extension Partnership and The Manufacturing Institute, Manufacturing Day has grown in size and scope since it was created in 2012.

In addition to Manufacturing Day, Cooper Standard participates in a number of initiatives that support and promote the future manufacturing workforce, including:

• STEM (Science, Technology, Engineering and Math) Education:

student achievement and interest in STEM careers through employee-led volunteer programs;

• Bring Your Child to Work Day: To promote the positive image of manufacturing to employees and families, Cooper Standard organizes a "Bring Your Child to Work Day." The event has hosted 100 students each year since 2016 at Cooper Standard's southeast Michigan facilities; and

• Manufacturing and Industry Acceleration Committee: Dedicated to supporting and encouraging manufacturing jobs internally and externally, this group helps educate others on legislation impacting the industry and exposes young people to manufacturing careers. This team also partnered with Junior Achievement (JA) of Southeast Michigan to bring a STEM program called STEMworks! to JA to promote the diverse careers opportunities available in STEM and manufacturing careers.





NO APPOINTMENTS NECESSARY FOR OIL CHANGES CHEVROLET facebook 26125 Van Dyke, Center Line (Just South of 696 on Van Dyke) and payments include GM rebates. Pictures may not represent actual vehicle. Pricing subject to change per GM in-rices and payments are inclusive of active GM employee discount (unless otherwise stated). Must have GM Em-count and lease logality. All leases are 10.000 miles per year with approved S Tier credit. All Vehicles shown are S399 as otherwise stated. Disposition Fee may be required at vehicle turn in. Must have lease logality or lease conquest household on certain models. Prices and payments are plus tax, title, plate, doc fee, refundable security deposit re-ertain vehicles – to be determined by lender. 2019 model year vehicles are priced and discounted at supplier dis-ing includes Ed Rinke bonus cash, while supplies last.**35,300 trade in is valid on 2003 or newer vehicles w/ under in dirvable condition, no branded titles, reconditioning determined by appraiser. Certain restrictions may apply, see complete details. Volt is a former courtesy vehicle** Exp date: 10/31/2018. MON & THUR 8:30am-9pm; TUE, WED & FRI 8:30am-6pm; SAT & SUN Closed www.EdRinke.com