Tech Center News®

WARREN, MICHIGAN

VOL. 42 NO. 34

Covers the Tech Center and the Immediate Area

MAY 7, 2018

Local Companies Praise Fraser High School For Starting Industrial Training Program

by Jim Stickford

The industrial revolution isn't over, it's just entering a new phase that requires a new kind of education

That was the message at the April 30 inauguration of an SME PRIME program at Fraser High School. Among the people at the event was Michael Simcoe, vice president of Global Design at General Motors.

Brian Glowiak, vice president of the SME Education Foundation, said SME used to stand for Society of Manufacturing Engineers, but the group has evolved beyond just manufacturing engineers. The group's PRIME program stands for Partnership Response In Manufacturing Education, and they work with private companies to create education programs that will teach the next generation of American workers.

SME's PRIME program is currently being taught in 45 schools in 22 states, Glowiak said. In Michigan they are also working with the Michigan Manufacturers Association (MMA) to help create a PRIME curriculum suited to students in the state.

And the PRIME program also works with local companies to make sure that the students are

demand, Glowiak said. The Michigan companies currently involved are Dominion Technologies Group, I.F. Metalworks, Fori Automation, General Motors, Oakley Industries and Superior Heat Treat LLC.

"We want to expand and improve STEM education and workforce development outcomes," said Simcoe. "We're delighted to work with local businesses, government and Fraser Public Schools to provide opportunity for these students to learn

learning skills that are actually in hands-on skills through the PRIME curriculum and to explore meaningful careers in Macomb County.'

> Dr. Dave Richard, superintendent of the Fraser School System, said that it was an honor to celebrate PRIME because it helped so many of Fraser students.

> "We have 150 students going through the welding program, for example," Richard said. "At Fraser we believe the ability to learn is important. Our mission statement

> > **CONTINUED ON PAGE 3**



Simcoe talking about the need for industrial training in Michigan.



Trimble lost an arm and now has a Smart Home thanks in part to GMC.

GMC Helping U.S. Veterans

Memorial Day 2018 is just identity is a perfect fit for these around the corner and GM has not forgotten America's veter-

On April 28, General Motors and the Stephen Siller Tunnel to Towers Foundation hosted the sixth annual "Honoring our Heroes Gala" to benefit the foundation's Smart Home Program and the Fallen and Wounded Soldiers Fund of Michigan.

For the past several years, GMC has taken the lead for GM on the Smart Home Program in partnership with the Siller Foundation, said GM spokeswoman Amanda Reuss.

"GMC's Professional Grade

organizations because it is the same philosophy these veterans live by day in and day out," said GMC Marketing Director Rich Latek. "This mindset drives us to strengthen our efforts and help provide our veterans the stateof-the-art Smart Homes they need to achieve independent

General Motors has a strong history of supporting the military, and focuses on assisting veterans in three ways, Reuss said - with jobs, vehicles and homes.

CONTINUED ON PAGE 3



The 2018 Jeep Compass is a hot seller for manufacturer FCA.

Buick Global Sales Are Up 9 Percent in 1Q

While GM no longer issues vehicle sales numbers on a monthly basis, that doesn't mean that the company didn't have sales news to report at the beginning of April.

GM declared that coming off a strong 2017, the Buick brand's momentum continued into 2018's first quarter with global sales up 9 percent year over year.

This growth comes as new products such as the LaCrosse Avenir and updated Envision have begun arriving to customers globally, and amid the launch of a new family of Regals, said Buick spokesman Stuart



The 2018 Regal Sportback has been a sales success for the Buick brand.

Jeep Drives FCA Sales Rise

FCA reported sales of 184,149 cles compared with the previous vehicles in April, a 5 percent in- year. However, the brand reportcrease compared with sales in ed its best April of retail sales April 2017 of 176,176 vehicles, ever with 36,560 vehicles sold, said FCA spokesman Jeff Bennett.

Overall sales were pushed by the Jeep brand which reported record sales for April, Bennett said. Retail sales came in at 143,995 vehicles, down only 1 percent despite April having two fewer selling days and one less weekend compared with April 2017. Fleet accounted for 22 percent of total sales.

The Jeep brand total sales rose in April to 82,641 vehicles, eclipsing the record of 82,537 vehicles in April 2017. The Jeep Wrangler once again led the portfolio as the nameplate posted a new monthly sales record of 29.776 vehicles. Bennett said that April was also the second consecutive month of record sales for the Wrangler. Jeep Compass sales more than tripled to 11,521 vehi-

Ram Truck brand sales declined 9 percent to 43,074 vehioutpacing the last record of 35,558 set in April 2017, Bennett

Chrysler brand total sales fell 18 percent in April to 14,189 vehicles compared with the same month a year ago. The Chrysler Pacifica minivan posted a 5 percent retail sales increase to 7,864

Dodge brand total sales rose 4 percent to 40.994 with the Dodge Journey setting a new April record as sales climbed 39 percent to 11,638 vehicles, Bennett said. Sales of Fiat vehicles declined 45 percent to 1,404 vehicles. Alfa Romeo brand sales of 1,847 vehicles were up significantly compared with the same month a year ago. Giulia led the brand with 1,123 vehicle sales followed by the Stelvio, which sold 702 vehicles in April.

CONTINUED ON PAGE 5

Ford Sees Mixed Sales Results in April

the month of April was mixed.

Ford Motor Company U.S. sales for April totaled 204,651 vehicles - a 4.7 percent decline, said Ford spokesman Erich Merkle. Fleet performance is down 8.6 percent due to order timing, with sales of 67,602 vehi-

Ford's overall transaction prices, on the other hand, are almost \$4,000 higher than the industry average, at \$36,300 per vehicle, while retail sales declined 2.6 percent, Merkle said. Ford F-Series now marks 12 straight months of year-overyear gains, posting its best April performance since 2000 on total sales of 73,104 trucks.

Retail sales of the new Ford Expedition jumped 25.8 percent last month, as dealer inventories continue to expand, Merkls said. Expedition is spending just 17 days on dealer lots on average.

best monthly sales to date; sales totaled 5,277 SUVs for April.

Some of the company's strongest sales regions for EcoSport last month were New

The sales news from Ford for New Ford EcoSport sales had it's York, Boston, and Philadelphia, Merkle said. Retail sales of Lincoln Navigator soared in April, with the new SUV up 135 percent;

CONTINUED ON PAGE 4



The 2018 Expedition has been a real success for Ford this year.

Tech Center News®

31201 Chicago Road South Warren, Michigan 48093

586-939-6800

Contact us: Info@TechCenterNews.com

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

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

Tech Center News is a registered trademark of Springer Publishing Co.

www.TechCenterNews.com

Macomb County Senior Fun Fest Coming in June

The Macomb Community Action Office of Senior Services will host its 29th annual Senior Fun Festival on Tuesday, June 12 from 9 a.m. to noon, said county spokeswoman Roneeka Pleasant-Brown. The festival will be held at Jimmy John's Field in Utica and is open to the public. It will feature a variety of resources focused on seniors and caregivers. including free health screenings and wellness information provided by the Macomb County Health Department, raffles, prizes and much more.

In addition to almost 100 vendors offering information and services on site, activities and highlights will include Bingo, Zumba by the National Kidney Foundation of Michigan, Cooking demonstration by MSUE, and Dancing demonstration by the Arthur Murray Dance Studio Sterling Heights.

New to this year's event is a baseball game scheduled for 1 p.m. Game tickets will be given to attendees as they arrive.

GMC Betting Big on SUV Popularity Growing

At a time when SUV sales are higher than ever, GM's GMC brand is poised to take advantage of that reality.

The GMC brand is increasing SUV production following the strongest first quarter sales ever for the midsize Acadia and compact Terrain SUVs, said GM spokeswoman Jennie Ecclestone. GMC finished the first quarter with global SUV sales up 9.4 percent and Terrain sales alone up 38 percent.

To meet increased demand, company recently the nounced the addition of a third shift at its Springhill Assembly facility in Springhill, Tenn., home of the GMC Acadia, Ecclestone said.

"Our redesigned Terrain and Acadia have found their stride in the market and our full-size Yukon and Yukon XL continue to lead the luxury full-size segment with premium appointments and features," said Duncan Aldred, vice president, Global Buick and GMC. "This sales momentum will continue to be built on a strong product portfolio for our global markets.

In the United States, the Terrain is attracting one of every two buyers who are new to the GMC brand, Aldred said. In an industry where midsize and compact SUVs account for more than one-third of all industry sales, GMC's premium SUV lineup is well-positioned for future growth.

According to JATO Dynamics. a British-based global supplier of automotive business intelligence, 2017 marked another record year for global car sales and SUVs.

As the global economy stabilized, the car industry benefited from positive growth in most re-

JATO analysts further noted

that the global popularity of SU-Vs enabled the segment to increase its market share by almost three points in 2016-2017. and 11.5 points since 2014, when 16.66 million units were sold. While traditional segments like sedans and hatchbacks faced a tough year in 2017, SUVs recorded double-digit growth in China, Europe, Asia-Pacific, South Korea and Latin America. In North America, where the SUV's success started, sales grew by 6.2 percent.

The JATO report stated that overall, in 2017, SUV sales accounted for 8.1 million vehicle sales in the North American market – 7.03 million sold in the U.S., 820,000 sold in Canada and 321,000 sold in Mexico. U.S. vehicle sales were just under 17 million vehicles in 2017, making SU-Vs about 40 percent of total vehicles sold that year.

The GMC SUV family is complemented by the industry's only



2018 Terrain SLT

premium lineup competing in all three truck segments: midsize, full-size and heavy-duty, Ecclestone said.

The Canyon, Sierra and Sierra HD Denalis all experienced sales growth in 2017, helping the brand achieve one of the highest average transaction prices in the industry.

The recently unveiled nextgeneration Sierra Denali and the off-road-capable Sierra AT4 will launch later this year, further strengthening the brand's premium truck lineup, Ecclestone said.

The Sierra AT4 launches the new AT4 brand, which will be seen on every vehicle in the GMC lineup in the next two years.

accelerating the brand's vision

for a future with zero emissions,

zero congestion and zero crashes, with an electrification strate-

gy now unfolding in the Chinese

market where demand is high,

Fowle said. Current electrified

Buick vehicles in China include

the Regal, LaCrosse, Velite 5 and

Velite 6 - a recently announced

plug-in hybrid arriving later this

Buick Sales are Strong in First Quarter

CONTINUED FROM PAGE 1

Fowle. Demand for the Regal has grown rapidly in China since the new model launched last summer, with sales up 35 percent year over year, while Regal Sportback, GS and TourX (U.S. only) availability continues to ramp up in North America.

Buick's family of three SUVs fueled the brand's first-quarter growth, with Encore sales surging in the U.S. and Canada and strong Enclave sales in Mexico, Fowle said. Encore had its best retail sales quarter ever in the U.S., and Encore retail sales were up 32 percent in Canada.

The 2018 Enclave launch momentum continues to build,

bringing in a growing number of new Buick customers and more affluent customers in the first quarter, with U.S. average transaction prices (ATPs) up more than \$5,000 year over year, said Fowle. Enclave sales in North America were up 8 percent year over year in the first quarter.

Enclave's shift upward in the market demonstrates the early popularity of Avenir, Buick's new luxury sub-brand, Fowle said. More than 22 percent of Enclave North American retails sales have been Avenir models.

An Avenir variant of the GL8 is also showing early success in China, while the LaCrosse Avenir iust entered the market globally. Buick's growing popularity is

year. The reveal of the Enspire Concept reinforces the brand's commitment to EVs. "There's never been a time like this at Buick," said Duncan Aldred, vice president, Global Buick and GMC. "This year marks the first full production year for many of our new models and the

acceleration of our EV strategy.'





2018 BUICK ENVISION FWD ESSENCE

THE PRICE YOU SEE IS THE PRICE YOU PAY WE ARE PROFESSIONAL GRADE

2018 GMC YUKON XL SLT 2018 GMC SIERRA



\$498 PER MOINT \$455 WITH \$498 TOTAL DUE AT SIGNING WITH \$1955 TOTAL DUE AT SIGNING

COURTESY \$365_{PER}

FOR GM EMPLOYEES WITH A CURRENT CHEVY, BUICK OR GMC LEASE

2018 GMC ACADIA SLT

2018 GMC YUKON



WITH \$791 TOTAL DUE AT SIGNING WITH \$2246 TOTAL DUE AT SIGNING

WITH \$365 TOTAL DUE AT SIGNING WITH \$1822 TOTAL DUE AT SIGNING URDAY $\mathbf{5}\mathbf{\Delta}\mathbf{T}$



ext. 5749

Matt Christy ext. 5730



ext. 5709



ext. 5720



ext. 5724



ext. 5773





ext. 5786

SUBURBAN CARE



ext. 5751

MUST QUALIFY FOR GMS (GM EMPLOYEE OR ELIGIBLE FAMILY LEASE. 10,000 MILES PER YEAR. ALL TAXES AND FEES INCLUDED MILES ON COURTESY VEHICLES COUNT AGAINST THE TOTAL AL-LOWED MILEAGE. WITH A1 CREDIT APPROVAL THROUGH GM FINAN-CIAL. NO SECURITY DEPOSIT REQUIRED. EXPIRES 5/31/18

248-547-6100

LOAN

*Of \$40 or more

Tire price match Guarantee "We will beat or match any price from anywhere"

On any OEM tire bought at Suburban Buick GMC. We even look at the competitors prices for you!!!!

HOURS: Mon. 7am-8pm • Tues. 7am-6pm • Wed. 7am-6pm • Thurs. 7am-8pm • Fri. 7am-8pm • Sat. 8am-3pm **OPEN SATURDAY 8AM-3PM • 248-547-6100**

SAVE 24% from everyday low price

USED CAR OF THE MONTH!!!! 2007 Chevrolet Corvette Z06 Red w/Black Interior • 7.0L. V-8 SFI • 6 speed auto



₩ Was \$35,000

Subject to prior sale. Please call Jerry Kelly Used Car Manager @ 248-582-5782 or e-mail him at jkelly2@suburbancollection.com with any questions. *Plus \$210 DOC fee, tax, plate and title fees.



Oakley praised Fraser Schools for their education goals.

GMC Helping U.S. Veterans

CONTINUED FROM PAGE 1

Jobs: The unemployment rate for vets is 3.7 percent nationally, and, thanks to companies like GM, it is under 3.5 percent in Michigan. GM currently employs 5,000 vets and will hire another 500 this year.

Vehicles: GM has enhanced its military discount program to include First Responders taking effect June 1.

Homes: GM supports two organizations - the Stephen Siller Tunnel to Towers Foundation and the Fallen and Wounded Soldiers Fund of Michigan – to help place vets in Smart Homes so they can live the lives they deserve.

Through its Smart Home Program, the Stephen Siller Tunnel to Towers Foundation builds custom-designed. mortgage-free homes that meet the needs of our nation's most catastrophically injured service members. committed to build a minimum of 200 smart homes for these veterans.

The Fallen and Wounded Soldiers Fund of Michigan, an allvolunteer group of private citizens, provides essential financial assistance to Michigan's post-Sept. 11 wounded Iraq and Afghanistan veterans and their

Among the veterans who have been helped by GMC is Kevin Trimble, Reuss said, In 2011, an IED exploded just a few yards from where Kevin Trimble was standing.

One of his fellow Army Specialists was killed in the blast, but Kevin was able to wrap a tourniquet around his arm to stop the bleeding and save himself. Today, Kevin is a student at SMU working on a degree in Nanotechnology, and will soon have a Smart Home of his own in Texas thanks to the T2T Smart Home Program.

Over the years, GM has raised Reuss said. The foundation has more than \$8 million toward supporting America's veterans.

GM Designer Praises Fraser H.S. Program

CONTINUED FROM PAGE 1

is 'innovate, learn, lead.' I hope Fraser will become a lighthouse to the county and to the state with this PRIME program."

Simcoe added that programs like PRIME matter because the auto industry will be facing, within the next few years, a wave of retirements by skilled workers.

"We have a real need for schooled young people," Simcoe said. "With retirements coming, we know that schools aren't training enough kids. Right now there is so much emphasis on sending kids to college and less emphasis on hands-on skills and craftsmanship. We need kids to be trained with design and manufacturing skills. There's lots of talk about the shortage of engineers for the auto industry, but less talked about is the shortage of skilled workers."

While automation and computer-assisted design (CAD) have become prevalent in the past several years, there is still a great demand for skilled workers who can use their hands to build prototypes, Simcoe said.

That's why GM supports PRIME in general and the Fraser program in particular, Simcoe said.

Mike Johnston, speaking on behalf of the MMA, said programs like Fraser's are important to the state because Michigan is leading the way in terms of new manufacturing in the U.S.

"This is a solution driven by

ers," Johnston said. "I believe this is a solution that will drive Michigan forward."

Mike Oakley of Oakley Industries in Macomb County said that his father started the company back in 1980.

"We make prototype stampings for manufacturers," Oakley said. "While there have been many changes in the auto industry, there is still a need for skilled workers."

And Oakley has seen how programs work. His father took vocational education back in England where he gained the skills that founded Oakley Industries. The first employees, who joined the

private money from manufactur- company back in 1980, are nearing retirement, Oakley said. It's time for the next generation to step up, and having programs like PRIME will help make that happen.

The jobs are out there, Johnston said. And the pay is good. Glowiak said that SME is working with more schools in the state and they will be making more announcements once everything is finalized.

"High school students with the right hands-on skills will find meaningful jobs in Michigan," Simcoe said. "We look forward to more schools adopting the PRIME curriculum and we see increased opportunities for the Fraser community and its students."

Warren Library's "Brew & Banter'

The Warren Public Library's Books, Brew & Banter book club will be meeting on Tuesday, May 15, at 7:30 p.m. at the Falling Down Beer Company, 2270 East 10 Mile Road in Warren.

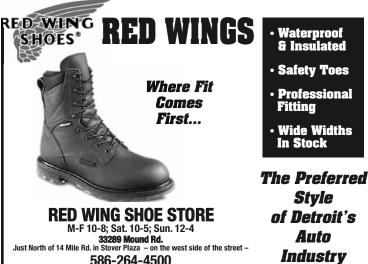
"Anyone looking to meet new friends and enjoy good books, food, drink, and conversation together in a laid back atmosphere is welcome to join," said Warren librarian Amy Nelson, of the Arthur Miller branch. "Don't forget, even if you hate the book, or don't finish it, come anyway."

The book being discussed is "Hillbilly Elegy" by author J.D. Vance, Nelson said. Copies of the book and potential discussion questions can be picked up at the Miller branch's circulation desk. Registration is required.

Those interested in attending the event should call the library at 586-751-5377 to save a spot or have questions answered.



"Experience the Elegance with Royalty" (586) 264-8400







A Unique Aromatic **Escape for Mom**

Give Mom the ultimate aromatic escape with our new AromaRitual™, and choose from aromatherapy essences that refresh, energize, or calm

> 248.828.0088 6846 Rochester Rd

elementsmassage.com/troy

2018 Elements Therapeutic Massage, LLC, All Rights Reserved. Massage session includes time for consultation and dressing, Each Elements

CAD Outfit Helps GM with Lightweighting

Using ones and zeroes in the virtual world is helping GM manufacture lighter parts in the real world

General Motors is using new, advanced software design technology to introduce the next generation of vehicle lightweighting, said GM spokesman Dave Darovitz. The technology is key to developing efficient and lighter alternative propulsion and zero emission vehicles.

GM is the first automaker in North America to use new generative design software technology from Bay Area-based software company Autodesk, Darovitz said.

It uses cloud computing and Al-based algorithms to rapidly explore multiple permutations of a part design, generating hundreds of high-performance, often organic-looking geometric design options based on goals and parameters set by the user, such as weight, strength, material choice, fabrication method, and more. The user then determines the best part design option.

"This disruptive technology

provides tremendous advancements in how we can design and develop components for our future vehicles to make them lighter and more efficient, said GM Vice President Ken Kelzer, Global Vehicle Components and Subsystems.

"When we pair the design technology with manufacturing advancements such as 3D printing, our approach to vehicle development is completely transformed and is fundamentally different to co-create with the computer in ways we simply couldn't have imagined before."

GM is leading the industry into the next phase of vehicle lightweighting.

The new design technology provides significantly more vehicle mass reduction and parts consolidation opportunities that cannot be achieved through traditional design optimization methods, Kelzer said.

GM is utilizing the innovative technology on future product designs. GM and Autodesk engineers have applied this new technology to produce a proof-ofconcept part – a seat bracket – that is 40 percent lighter and 20 percent stronger than the original part.

It also consolidates eight different components into one 3Dprinted part, Kelzer said.

As part of a multi-year alliance focused on innovation, GM and Autodesk will collaborate on projects involving generative design, additive manufacturing, and materials science.

Executives and engineers from the two companies will participate in a series of onsite engagements to exchange ideas, learnings, and expertise on manufacturing automobile parts that are lighter in weight yet maintain needed strength.

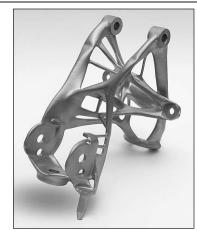
GM also has on-demand access to Autodesk's full portfolio of software and technical specialists

"Generative design is the future of manufacturing, and GM is a pioneer in using it to lightweight their future vehicles," said Scott Reese, Autodesk senior vice president for Manufacturing and Construction Products.

"Generative technologies fundamentally change how engineering work is done because the manufacturing process is built into design options from the start. GM engineers will be able to explore hundreds of ready-to-bemanufactured, high-performance design options faster than they were able to validate a single design the old way."

GM has been a leading enduser and innovator in additive manufacturing, Kelzer said. For more than three decades, General Motors has used 3D printing to create three-dimensional parts directly from digital data through successive addition of layers of material.

GM possessed the first and has



CAD-designed seat bracket

some of the auto industry's most comprehensive 3D printing capabilities in the world with more than 50 rapid prototype machines that have produced more than 250,000 prototype parts over the last decade.

Since 2016, GM has launched 14 new vehicle models with a total mass reduction of more than 5,000 lbs., or more than 350 pounds per vehicle, Darovitz said.

Most of the weight reduction are a result of material and technology advancements. Of those models, more than half of the vehicles shed 300-pounds or more including the newly redesigned 2019 Chevrolet Silverado, which reduced mass by up to 450-pounds.

Eliminating mass in parts where material is not required for performance combined with parts consolidation yields benefits for vehicle owners with the potential for more interior space and vehicle content, increased range, and enhanced vehicle performance, Darovitz said. All of this increases utility and improves mileage.

It also paves the way for new features for customers and provides vehicle designers a canvas on which to explore designs and shapes not seen today.

April Sales Show Mixed Result For Ford Motor Co.

CONTINUED FROM PAGE 1

customer orders continue to exceed supply, with overall average transaction prices up \$26,300 over year-ago level.

"The industry continues to operate at historically strong levels. We are seeing this with our F-Series trucks, which have now posted 12 consecutive months of year-over-year gains. The market continues to strongly favor well-equipped SUVs and trucks and our F-Series and new Expedition and Lincoln Navigator are capitalizing on this generational shift," said Mark LaNeve, Ford vice president, U.S. Marketing, Sales and Service, Merkle said.

F-Series is now reporting 12 consecutive months of year-over-year increases, with top trim level Lariat, King Ranch, Platinum and Limited Super Duty pickups representing 49 percent of sales, Merkle said. Overall F-Series average transaction pricing gained \$900 last month.

"Expedition is spending an average of just 17 days on dealer lots, as retail sales show a gain of 25.8 percent last month. Our West region is reporting the highest growth, with retail sales up 59 percent. Average transaction prices are up \$12,100 over year-ago levels," Merkle said.

"EcoSport volumes continue to grow, with April marking the highest volumes yet – 5,277 SU-Vs sold. We continue to see a strong mix of 1.0-liter EcoBoost-powered vehicles, at more than 40 percent."

Lincoln Navigator sales are up 135 percent at retail and 122 percent overall. Average time on dealer lots remains a quick 13 days overall, just 10 days for Black Label.





Aptive Automates a Fleet in Vegas

the launch of a fleet of 30 autonomous vehicles in Las Vegas on the Lyft network.

Formerly known as Delphi Automotive, Aptiv emerged from the completion of Delphi's spinoff of its Powertrain segment, said Aptive spokeswoman Miranda Hlaing.

Aptiv works on solving the complex challenges associated with safer, greener and more connected transportation, Hlaing said. At the core of this capability is the software and vehicle architecture expertise that enables the advanced safety, automated driving, user experience, and connected services that are making the future of mobility work.

A product of Aptiv's Mobility and Services group, these vehicles will operate on Aptiv's fullyintegrated autonomous driving platform and be made available to the public in partnership with Lyft, Hlaing said. On an opt-in ba-

Aptiv PLC, a global technology sis, passengers will have the abilleader in mobility, announced ity to hail a self-driving vehicle equipped with Aptiv technology to and from high-demand loca-

> This partnership is a multiyear agreement between the two companies and a clear step toward generating revenue for Aptiv's autonomous driving business. Both companies will leverage Aptiv's connected services capabilities and Lyft's ride-hailing experience to provide valuable insights on self-driving fleet operations and management.

> "With Aptiv's autonomous driving technology deployed throughout Las Vegas and broadly accessible through the Lyft app, a wide range of consumers will be able to share the experience of autonomous vehicles in a complex urban environment," said Kevin Clark, Aptiv president and chief executive officer. "More importantly, the resulting knowledge and data will allow us to further refine our autonomous driv

our portfolio of industry-leading active safety solutions.'

The combination of Aptiv's autonomous driving technology and Lyft's ride-hailing app is the expansion of a successful partnership that launched in Las Vegas during CES 2018, Clark said. That initial pilot provided more than 400 self-driving rides to the public and earned an average customer rating of 4.99 out of five stars. Like the CES program, vehicles will be operated by highly-trained safety drivers.

Aptiv, built on decades of experience in automotive performance, has a strong foundation in delivering safe technologies, Clark said. The company prioritizes and meets high-level functional safety requirements in both its software and hardware validation.

Aptiv autonomous vehicles on the Lyft network became available to the general public in Las Vegas starting May 3.

Jeep's Success Drives FCA's April Sales

CONTINUED FROM PAGE 1

Bennett said that FCA US's reported vehicle sales represent unit sales of vehicles to retail customers, deliveries of vehicles to fleet customers and to others such as FCA US's employees and retirees as well as vehicles used for marketing.

Most of these reported sales reflect retail sales made by dealers out of their own inventory of vehicles previously purchased by them from FCA US.

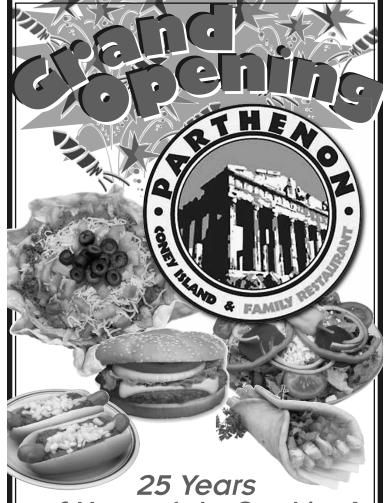
Reported vehicle units sales do not correspond to FCA US's reported revenues, which are based on FCA US's sale and delivery of vehicles, and typically rec-

dealer or end customer, Bennett said. As announced on July 26, 2016, FCA US has modified its methodology for monthly sales reporting as follows:

· Sales to retail customers by dealers in the U.S. are derived from the New Vehicle Delivery Report ("NVDR") system and are determined as the sum of all sales recorded by dealers during the month net of all unwound transactions recorded to the end of that month (whether the original sale was recorded in the current month or any prior month); plus all sales of vehicles during that month attributable to past unwinds

ognized upon shipment to the that had previously been reversed in determining monthly sales (in the current or prior months).

- Fleet sales are recorded upon the shipment of the vehicle by FCA US to the customer or end
- · Other retail sales are recorded either when the sale is recorded in the NVDR system (for sales by dealers in Puerto Rico and limited sales made through distributors that submit NVDRs in the same manner as for sales by U.S. dealers) or upon receipt of a similar delivery notification (for vehicles for which NVDRs are not entered such as vehicles for FCA employees).



of Homestyle Cooking!

Open for Breakfast, Lunch & Dinner

BANQUET ROOM

Seats 100 People for those off-site meetings! **Catering Available!!**

(586) 582-8400

5702 East 12 Mile Road (Just West of mound) Warren, MI 48092

Mon-Thur 6am-10pm • Fri & Sat 6am-11pm • Sun 7am-9pm WWW.PARTHENONCONEYISLAND.COM



Insurance Shoppers Agency

Phone: 810.388.9200 | Fax: 810.400.6100 Email: knewsome@marysvilleisa.com



Kristin Newsome, Agent.

INSURANCE MADE EASY!

Now offering:



Receive a DRIDD

... Just For Letting Us Quote Your Home & Auto Insurance

We have Discounts for: **Engineering, Accounting, Medical/Dental Employees**

How To Maximize Your Retirement Readiness



Learn How To Get The Most From Your Retirement Savings

COMPLIMENTARY RETIREMENT READINESS KIT RETIRE SMARTER

Visit KaydanWealthPresents.com to download your Retirement Kit today!



329 W. Silver Lake Road, Fenton MI 48430 | 810-593-1624 | KaydanWealthManagement.com Kaydan Wealth Management, Inc. is not a registered broker/dealer, and is independent of Raymond James Financial Services. Securities are offered through Raymond James Financial Services, Inc. Member FINRA/ SIPC. Investment Advisory Services are offered through Raymond James Financial Services Advisors, Inc. and Kaydan Wealth Management, Inc.



Chevy, Shell are rolling out an embedded, in-dash fuel payment service.

Chevy Installing Shell App

It just makes senses, a major commerce platform for on-deautomotive brand teaming up with a major consumer gasoline provider. And Chevrolet and Shell are doing just that, said GM spokesman Stefan Cross.

The two brands are rolling out the automotive industry's first embedded, in-dash fuel payment and savings experience, Cross said. This new feature will allow drivers of eligible Chevrolet vehicles to pay and save directly through the touchscreen in their vehicle when they fuel up at participating Shell-branded stations, without swiping a credit card or using a mobile device.

To use this feature, users will press the Shell icon within Marketplace and select their preferred station location. After a few taps on the in-vehicle touchscreen, a code will be generated that allows the user to activate a desired pump and start fueling. Payment is then automatically charged to the payment method on file, with Fuel Rewards savings applied, Cross said.

Embedded in-dash fueling at Shell is powered by Marketplace, the automotive industry's first mand reservations and purchases of goods and services, Cross said. Marketplace allows its users to order food, make dinner reservations, find parking or hotels and locate and pay for fuel at participating Shell stations.

"We introduced Marketplace to deliver value, productivity and convenience to our customers," said Rick Ruskin, senior manager, Online Commerce, Chevrolet. "Bringing the Shell Pay & Save functionality right on the touchscreen of our vehicles is the latest advancement of this platform, allowing drivers to simply access Fuel Rewards and pay for gas while inside their car.'

Through Marketplace, Shell already provides customers ease of navigation to their nearest Shell station, including information about station amenities and the ability to sign up for the Fuel Rewards program, Ruskin said. With the rollout of in-dash fuel payment to the nation's largest branded fueling network, Chevy customers will be able to pay from the comfort of their vehicle at participating Shell stations.

Thank You for Making Buff Whelan **#1 in the Country for 2017**

OVER 1,000 lew Chevrolets in Stock!



JEFF CAUL 586-274-0396



2018 CHEVY SILVERADO 4X4

ALL-STAR PKG • DBL CAB - TAX with \$ 🦳 DOWN

WITH GM LEASE LOYALTY • NO SECURITY DEPOSIT REQUIRED

2018 MALIBU LT

88+ TAX WITH \$ DOWN







2018 CHEVY EQUINOX LT

+ TAX with \$

WITH GM LEASE LOYALTY • NO SECURITY DEPOSIT REQUIRED Equiped with 1.5L Turbo Engine, 7" touch screen radio, Onstar, Bluetoo Back Up Camera, Alum. Wheels, Deep Tinted Glass & More...

Free shuttle service to home, office or shopping.

buff whelan chevrolet WHERE THE DEALS MAKE THE DIFFERENCE, EVERY DAY SINCE 1970!

Van Dyke • South of 18 Mile • Sterling Heights

Jeff Caul 586-274-0396



CHEVY PEP QUOTES BY PHONE OR EMAIL: JEFF CAUL AT JCAUL@BUFFWHELAN.COM CONVENIENT HOURS: MON. & THURS. 8:30AM-9PM / TUES., WED. & FRI. 8:30AM-6:30PM / FIND NEW ROADS

*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 unless otherwise noted. All deals expire 05/31/2018.



Please call with the vehicle you desire and you will be delighted with the payment. CELL # 1-586-405-5175



BRUCE LITVIN - 24/7 & 365 -OVER 40 YEARS OF QUALITY SERVI

blitvin@lunghamer.com

1-888-665-5438







475 SUMMIT DRIVE • 248-292-2502 • 5825 HIGHLAND RD. (M59) • WATERFORD





WE ARE PROFESSIONAL GRADE 2017 DEALER OF THE YEAR AWARDED BY GENERAL MOTORS CORPORATION

2018 GMC SIERRA 1500 DBL. CAB \$28,129*

2018 GMC CANYON DENALI \$**38,659**

2018 GMC ACADIA SLE1 \$**24,659**

\$199* 36,

\$45,969°

2018 GMC SIERRA 1500 DENALI 2018 GMC TERRAIN SLE \$22.995

BUICK 2016 BUICK DEALER OF THE YEAR • 2016 BUICK DEALER OF THE YEAR • 2016 BUICK DEALER OF THE YEAR



\$25,279 \$109*ER 24 MONITHS \$999

2018 BUICK ENVISION \$179*PER NONTH 36 NONTHS \$999 DOWN 2018 BUICK CASCADA \$28,*7*49

2018 BUICK ENCLAVE \$36,159* \$289 PER MONTH 24 MONTHS \$1499 DOWN

2018 BUICK REGAL \$23,729 \$249 PER 36 MONTHS \$999 DOWN

SHOWROOM HOURS: MON. & THURS. 8:30AM-9PM TUES., WED. & FRI. 8:30AM-6PM

VISIT OUR WEBSITE: edrinke.com

We'll give you a \$3,500 minimum for your 2003 or newer trade in. See us for your GM Employee purchases.

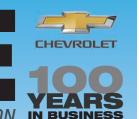
26125 VAN DYKE AT 10 1/2 MILE ROAD

Now looking for experienced salespeople to join our team!

pmaxowsneedmixe.com akugin@edrinke.com akugin@edrin



2017 DEALER OF THE YEAR AWARDED BY GENERAL MOTORS CORPORATION



GIVE YOU A \$3,500 MINIMUM FOR YOUR 2003 OR NEWER TRADE IN



1500 LT DBL CAB **PURCHASE FOR** \$99* PER MONTH OR \$29,719* 24_{MONTHS} \$999_{DO}



2018 CHEVY CAMARO LT \$319* PURCHASE FUR \$25,129* \$999





\$149* OR \$17,119*







GM CARD TOP OFF UP TO \$3,000 • NO APPOINTMENTS NECESSARY FOR OIL CHANGES



Certified Service

GM SERVICE CENTER

MICHIGAN'S LARGEST • SERVICE DEPT. • PARTS • BODY SHOP

866-452-1547

26125 Van Dyke @ 101/2 Mile • Center Line, MI 48015 SERVICE HOURS: Monday & Thursday 6:30am-9:00pm; Tuesday, Wednesday & Friday 6:30am-6:00pm • Shuttle at 6:30am - Pick-up Both Ways • All Day starting at 6:30am.

Certified Service

ONTHS \$999DOWN

Fluid Level, Brake & Alignment Check Included.

We use Genuine GM Oil & Filter No additional or hidden charges. Out the door pricing. Open Mondays & Thursdays until 8:30pm

Most GM cars & trucks. One coupon per customer.

Must present coupon with order. Plus tax. Expires 5-31-18.





See us for your GM Employee purchases. Now looking for experienced salespeople to join our team!

26125 VAN DYKE AT 10 1/2 MILE ROAD



/ FIND NEW ROADS







All prices and payments include GM rebates. Pictures may not represent actual vehicle. Pricing subject to change per GM incentives. Prices and payments are inclusive of active GM employee discount (unless otherwise stated). 2018 Models are price and discr at supplier unless otherwise stated. All leases are 10,000 miles per year with approved S Tier credit. All Vehicles shown are \$999 down unless otherwise stated. Disposition Fee may be required at vehicle to must be vehicle in houseable. Prices and payments are plus tax, title, plate, refundable security deposit required on consuctant weblieds – to be determined by lender. Purchase pricing is gm employee discount plus title, taxes and fees. Pricing is subject to bonus cash- with supplies last. **\$3,500 trade in is valid on 2003 or newer vehicles w/ under 115k miles in drivable condition, no branded titles, reconditioning determined by appraiser. Certain restrictions may apply, see dealer for complete details. Volt is a former courtes

SHOWROOM HOURS: MON. & THURS. 8:30AM-9PM / TUES., WED. & FRI. 8:30AM-6PM







SPRVNG Sales Event!

LEASE LOYALTY for Current Chevrolet, Buick, GMC and Cadillac Lessees!*

2018 TRAX "LS"



- Color Touch Screen Radio!
- Remote Keyless Entry!
- Rear Vision Camera!Steering Wheel Audio/Phone
- Controls!

 LED Daytime Running Lights!
- Bluetooth for Phone!

Stock# J43175

NO Employee Discount REQUIRED!

Was \$21,995 Sale Price: \$15,599*

24 MONTH LEASE

\$129°



\$999 DownNO Security Deposit required. Tax, title and plate fees extra.

2018 EQUINOX "LS"

- Color Touch Screen Radio!
- Push Button Start!
- Rear Vision Camera!
- Remote Keyless Entry!
- Aluminum Wheels!
- Bluetooth for Phone! Stock# J44582

NO Employee Discount REQUIRED!

Was \$26,660 Sale Price: \$21,899*

24 MONTH LEASE

\$138



\$999 DownNO Security Deposit required. Tax, title and plate fees extra.

2018 SILVERADO "LT" 4WD DOUBLE CAB



- ALL STAR EDITION!
- GM Bed Liner INCLUDED!
- Power Driver's Seat!
- Color Touch Screen Radio!
- Trailering Package!Remote Start and Entry!
- Aluminum Wheels! Stock# J44479

Was \$43,835 Sale Price: \$29,999*

24 MONTH LEASE

\$138

The Best Price...
PERIOD!

\$999 Down
NO Security Deposit required. Tax, title and plate fees extra.

2018 CRUZE "LT"

- Color Touch Screen Radio!Remote Keyless Entry!Rear Vision Camera!
- USB Charging Port!
 Aluminum Wheels!
- Aluminum Wheels!Bluetooth for Phone!
- Stock#J41404

Was \$22,325 Sale Price: \$15,999*

24 MONTH LEASE

\$159

The Best Price...
PERIOD!

\$999 Down
NO Security Deposit required. Tax, title and plate fees extra.

2018 COLORADO "LT" 4WD CREW CAB



- 3.6L V6 DOHC Engine!
- Color Touch Screen Radio!GM Bed Liner INCLUDED!
- Trailering Package!
- Remote Start and Entry!
- Aluminum Wheels!

Was \$36,390 Sale Price: \$29,999*

24 MONTH LEASE

\$199



\$999 DownNO Security Deposit required. Tax, title and plate fees extra.

2018 TAHOE 4WD "LS"



- ALL SEASON PACKAGE!
- 20" Aluminum Wheels!
- Color Touch Screen Radio!
- Max Trailering Package!Remote Start and Entry!
- Rear Vision Camera!
 Power Driver's Seat!
- Stock# J44591

Was \$54,435 Sale Price: \$44,799*

24 MONTH LEASE

\$379

The Best Price...
PERIOD!

\$999 DownNO Security Deposit required. Tax, title and plate fees extra.

We'll Give You a Minimum of \$2500 for YOUR Trade-In... GUARANTEED!*





SHOWROOM HOURS:

Monday Tuesday Wednesday Thursday Friday 8:00 AM - 9:00 PM 8:00 AM - 6:00 PM 8:00 AM - 6:00 PM 8:00 AM - 9:00 PM 8:00 AM - 6:00 PM

586) 791-1010

35500 S. Gratiot Avenue... North of 15 Mile / Clinton Township / FIND NEW ROADS

*Pictures may not represent actual sale vehicle. All applicable incentives including bonus cash, bonus tags, competitive brand, lease conquest and/or lease loyalty offers have been deducted from Sale Prices/Payments and are subject to change by the manufacturer without notice and are plus title, tax, plate and CVR fees and were valid at time of printing. GM Employee discount require except where noted. Leases are 10,000 miles per year. Disposition fee may be required at lease turn in. \$2500 trade in guarantee in on 2006 or newer vehicles in drivable condition. No salvage or branded titles. Certain restrictions apply, see dealer for complete details on all incentives/offers. Sale ends 5/11/2018 @ 6:00PM.

