# READING THE **METER** A look inside a cleaner, safer, smarter auto industry.



ALLIANCE FOR AUTOMOTIVE INNOVATION

# Contents – November 26, 2024

Forecast Meter	2
Sales & Production Summary and Forecast (Updated 11/26) U.S. Light Vehicle Sales Outlook (Updated 11/26) North American Production & Inventory Outlook (Updated 11/26)	3
Market Meter	5
U.S. Light Vehicle Sales (Updated 11/6) Segments vs. Gas Prices (Updated 11/6) EV Powertrain Sales (Updated 11/6) Seasonally Adjusted Annual Rates (Updated 11/6) Average Transaction Price (Updated 11/26) Auto Loan Financing (Updated 11/6) Crude Oil and Gas Prices (Updated 11/6)	7 8 9 
Production Meter	13
U.S. Light Vehicle Inventory and Days' Supply (Updated 11/6). North American Production (Updated 11/26) U.S. Light Vehicle Production (Updated 11/26)	14
Global Meter	16
Global Light Vehicle Sales (Updated 11/6) Global Light Vehicle Production (Updated 11/26)	16 17
Recovery Meter	19
Roadway Travel (Updated 11/6) Consumer Confidence and Sales (Updated 11/6) Employment (Updated 10/24)	19
Sources	22



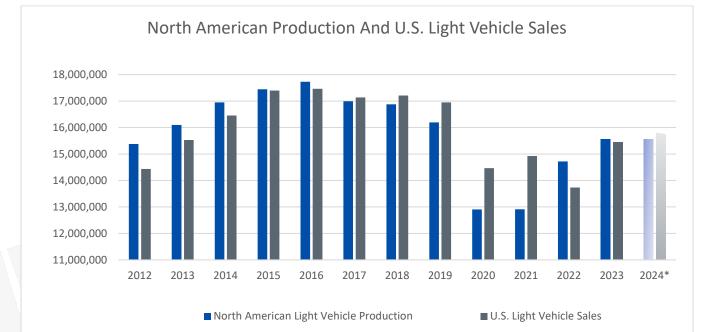
# Forecast Meter

# Sales & Production Summary and Forecast (Updated 11/26)

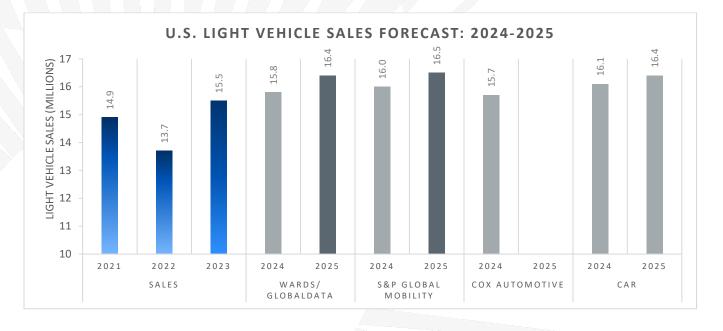
2023-2024 Sales, <sup>1</sup> Extended Sales Forecast <sup>2</sup> and Production Forecasts <sup>3</sup>					
	U.S. Sales & Forecasts	North American Production			
January '23	1,033,002 (+4.2% YoY)	1,195,548 (+12.9% YoY)			
February '23	1,136,332 (+8.7% YoY)	1,257,482 (+15% YoY)			
March '23	1,365,966 (+8.6% YoY)	1,442,991 (+6.7% YoY)			
April '23	1,347,159 (+13.1% YoY)	1,281,626 (+8.6% YoY)			
May '23	1,362,019 (+18.0% YoY)	1,462,273 (+25.5% YoY)			
June '23	1,370,976 (+19.9% YoY)	1,387,090 (+13.8% YoY)			
July '23	1,299,199 (+19.9% YoY)	1,173,342 (+15.6 YoY)			
August '23	1,328,526 (+12.8% YoY)	1,467,284 (+4.5% YoY)			
September '23	1,331,952 (+13.9% YoY)	1,353,072 (+7.6% YoY)			
October '23	1,200,286 (+5.7% YoY)	1,388,720 (+4.5% YoY)			
November '23	1,218,647 (+7.3% YoY)	1,372,253 (+8.1 YoY)			
December '23	1,433,266 (+17.3 YoY)	1,082,176 (-2.3% YoY)			
January '24	1,076,047 (-1.3% YoY)	1,327,765 (+7.8% YoY)			
February '24	1,247,516 (+5.2% YoY)	1,358,836 (+10% YoY)			
March '24	1,438,012 (+4.6% YoY)	1,414,502 (-5.7% YoY)			
April '24	1,313,512 (+0.6% YoY)	1,473,567 (+15.9% YoY)			
May '24	1,429,028 (+0.8% YoY)	1,485,373 (-1.7% YoY)			
June '24	1,321,932 (-3.4% YoY)	1,346,584 (-6.1% YoY)			
July '24	1,273,115 (-2.0% YoY)	1,117,833 (-4.4% YoY)			
August '24	1,419,245 (+3.8% YoY)	1,428,177 (+32.6% YoY)			
September '24	1,169,908 (-1.4% YoY)	1,399,608 (+0.8% YoY)			
October '24	1,325,263 (+2.4% YoY)	1,506,154 (+7% YoY)			
2023 Full Year	15,457,447 (+12.4% YoY)	16,144,461 (+9.3% YoY) (U.S. 10,611,580)			
2024 Estimate	15.9 M	15.77 (U.S. 10.8M)			

2





### U.S. Light Vehicle Sales Outlook (Updated 11/26)



**Wards Intelligence Outlook (11/26)**<sup>4</sup>: "After showing some extra energy in October, U.S. light-vehicle sales are expected to continue with even a stronger upswing in November.



"November's forecast seasonally adjusted annual rate of 16.2 million units is above October's 16.1 million, as well as like-2023's 15.5 million. It also would be the highest SAAR since May 2021's 17.0 million.

"Sales are forecast to total 1.334 million units, 8.0% above year-ago's 1.236 million. The month's daily selling rate over the 26 selling days equals 51,308 units, 3.8% above year-ago's 49,423 – 25 selling days.

"With a fifth weekend in the month, vs. the usual four, dealers will have more opportunities to push end-ofmonth volume. In fact, because the month ends on a weekend, sales through Dec. 2 will be included in November's results. Thus, the extended timeframe means there is more upside than downside to November's forecast.

"Looking ahead, December is projected to post a 16.3 million-unit SAAR, with volume of 1.44 million units. Fourth-quarter deliveries are pegged at 4.1 million units, 5.2% above like-2023. The year will finish at 15.8 million units."

#### North American Production & Inventory Outlook (Updated 11/26)

**Wards Intelligence Inventory Outlook (11/26)** <sup>5</sup>: "Inventory is forecast to rise slightly from October, less than 1%, which is lower than the historically typical month-to-month gain in November that averaged roughly 4% to 5%. November's inventory is expected to total 2.95 million units, up from the prior month's 2.94 million and 26.1% above like-2023.

"Days' supply is forecast at 57, down from 60 the prior month, but above year-ago's 47.

"Inventory growth is being slowed by production cuts in response to slow selling vehicles, especially North America-made vehicles, which account for roughly 80% of U.S. sales volume."

**Wards Intelligence Production Outlook (11/26)**<sup>6</sup>: "The outlook for North America production of light vehicles and medium-/heavy-duty trucks in Q4 outlook was shaved 92,000 units from month-ago's projection.

"The reduction includes an underbuild of 33,2000 units in October from what was expected a month ago, as well as a cut of 25,500 in November and 33,300 in December.

"In total, Q4 production is tracking to 3.837 million units, 1.0% below like-2023's 3.876 million. Excluding big trucks, light vehicles are tracking toward Q4 output of 3.713 million, 0.5% below year-ago's 3.733 million.

"The Q4 cuts leave entire-2024 tracking to a year-over-year decline to 16.117 million, 0.4% blow 2023's 16.176 million. Light-vehicles are forecast for an entire-year total of 15.547 million, 0.3% below 2023's 15.589 million."

**S&P Global Mobility Outlook (11/26)**<sup>7</sup>: "North America: The outlook for North America light vehicle production was largely unchanged for the 2024 to 2026 timeframe. The general near-term production outlook for North America continues to reflect the need for further inventory correction. Despite the lack of forecast movement at the macro level, production in 2025 for Ford was revised down by 45,000 units on the need to correct for increasingly excessive inventory which is expected to remain an issue heading into next year. Conversely, Stellantis is moving aggressively to correct inventory with production revised down an additional 48,000 units in 2024 on lower than expected production results in October in addition to downtime extensions centered around the Jeep Grand Cherokee, Gladiator and Wrangler. As a result of the aggressive action from Stellantis, upside potential exists in 2025 which was revised higher by a marginal 6,000 units. Production risk for Stellantis in 2025 moves from excessive production levels to the potential for launch related issues, including delays and/or slower than forecasted launch curves. We continue to evaluate the impacts of the recent US



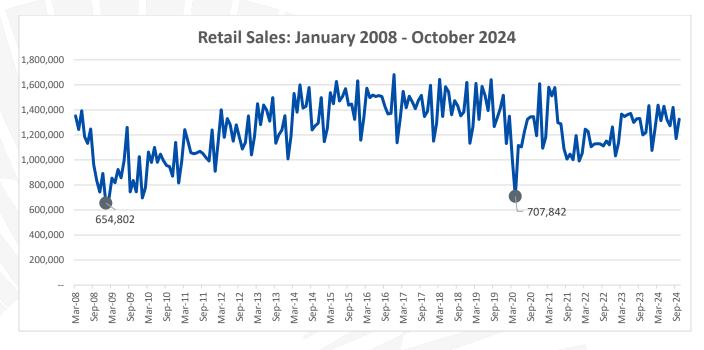
elections with nearly as many questions as answers remaining. Nevertheless, we do expect material reductions in BEV volumes/market share and revisions in electrification mix. These changes are expected to be reflected in future forecast updates.

#### Market Meter

#### U.S. Light Vehicle Sales (Updated 11/6)

#### Monthly Sales (Updated 11/6)

This chart helps to put into context the monthly retail sales due to the COVID pandemic and showing the relative drop in sales compared to the 2008 financial crisis.



#### October Sales (Updated 11/6)

**WardsIntelligence**<sup>8</sup>: "U.S. light-vehicle sales started the fourth quarter on a strong note, at least compared with the general weakness the market has been mired in since May.

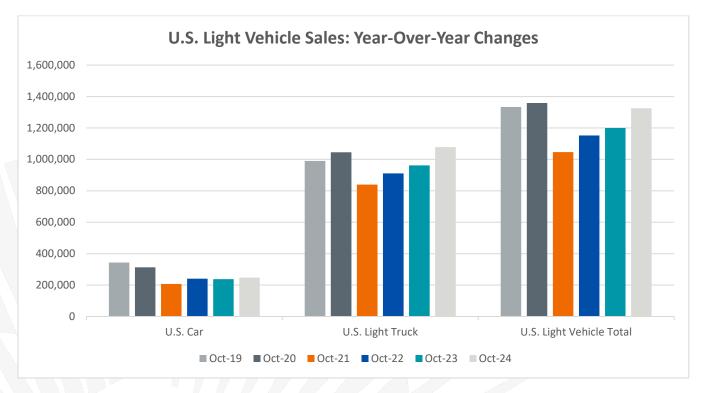
"October sales posted a seasonally adjusted annual rate of 16.0 million units, highest since 16.1 million in April and above like-2023's 15.7 million.

"Raw volume totaled 1.325 million units, 10.6% above October 2023's 1.198 million. Based on daily selling rates, the increase was a smaller 2.4%, diluted by 27 selling days in October, two more than the year-ago month. October's DSR totaled 49,084, compared with same-month 2023's 47,926.



"After four straight increases through May, October's year-over-year DSR gain was only the second in the past five months.

"Demand in the retail sector accelerated more than expected at the end of the month, putting October's final raw volume roughly 15,000 units above the forecast."



Calendar year-to-date sales through October totaled 13.02 million units, up 1.6% from like-2023's 12.81 million.



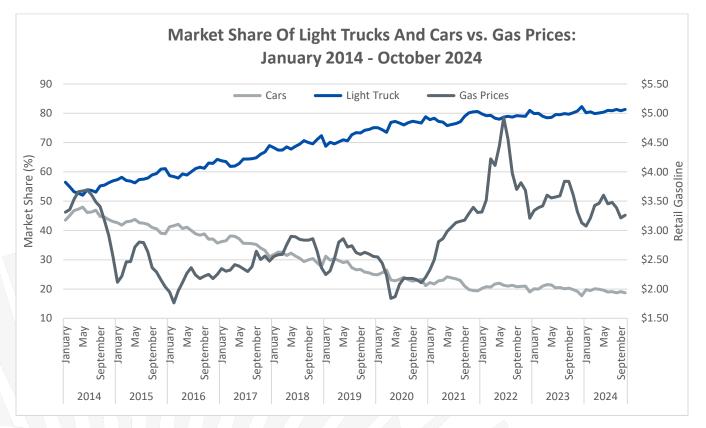


#### Segments vs. Gas Prices (Updated 11/6)

**Monthly Sales For October:** Light trucks accounted for 81 percent of sales in October, up slightly from the market share a year ago. Compared to the same period in 2023, sales of cars are down by 9,500 units, and down more than 95,000 from October 2019, when cars comprised 26% of the market as opposed to the 19 percent of the market passenger cars have now.

**Historic Perspective:** The upward trend in the popularity of light trucks over cars has been steady since 2013, when only 2% of annual market share separated the two segments\_<sup>9</sup> and gas was over \$3.00\_<sup>10</sup> a gallon. As fuel prices dropped below the \$3.00 mark in mid-September 2014, light truck sales began to take off. Gas prices since have averaged only \$2.92 a gallon (through July 2024) and when combined with increased fuel economy for light trucks, an increase of 4 mpg since 2013, the perfect conditions existed to continue fueling light truck market growth.<sup>11</sup>

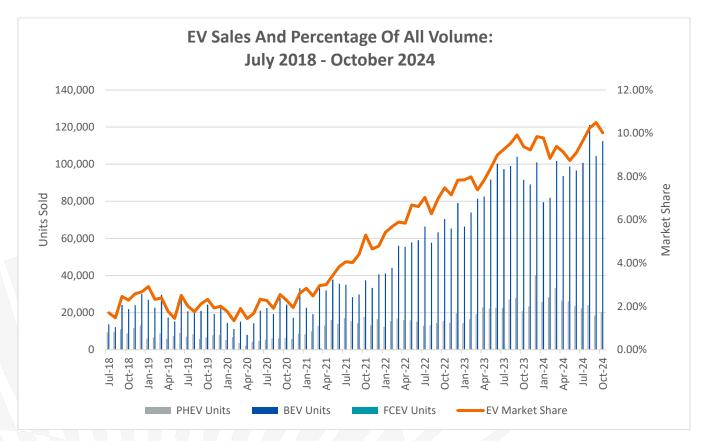




#### EV Powertrain Sales (Updated 11/6)

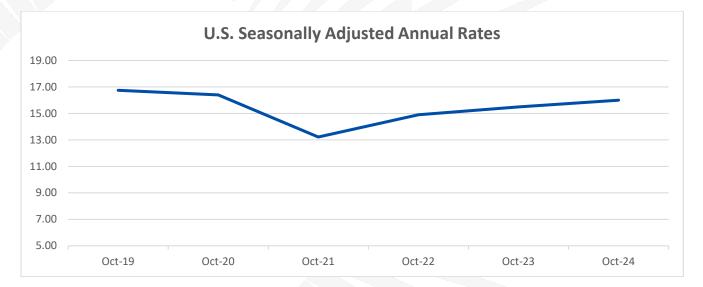
Sales of electric vehicles (BEV, PHEV, & Fuel Cell) accounted for 10.0 percent of total vehicle sales in October 2024 (132,836), per Wards estimates. Market share decreased 0.47 percentage points (pp) from September 2024. October's EV market share is up 0.6 pp from a year ago. Sales of battery electric vehicles led the way for EVs, accounting for 8.5 percent of total sales, up 0.86 pp from October 2023. Plug-in hybrids accounted for 1.5 percent, down 0.21 pp from the same time last year.<sup>12</sup>





#### Seasonally Adjusted Annual Rates (Updated 11/6)

**WardsIntelligence<sup>13</sup>:** "October sales posted a seasonally adjusted annual rate of 16.0 million units, highest since 16.1 million in April and above like-2023's 15.7 million."





#### Average Transaction Price (Updated 11/26)

**Kelley Blue Book (October)**<sup>14</sup>: "The average transaction price (ATP) paid for a new vehicle in the U.S. in October was \$48,623, according to new data from Kelley Blue Book. Transaction prices last month were higher than the revised September price (\$48,423) and higher by 1.7% from year-earlier levels (\$47,826). For more than a year now, new-vehicle prices in the U.S. have remained mostly unchanged and near \$48,500, as higher inventory levels continue to hold downward pressure on the market.

"New-vehicle sales incentives climbed higher in October, jumping from a revised 7.2% of the ATP in September to 7.7% in October, an increase of more than 6% month over month. Compared to one year ago, new-vehicle incentives have increased more than 60% as automakers compete for sales.

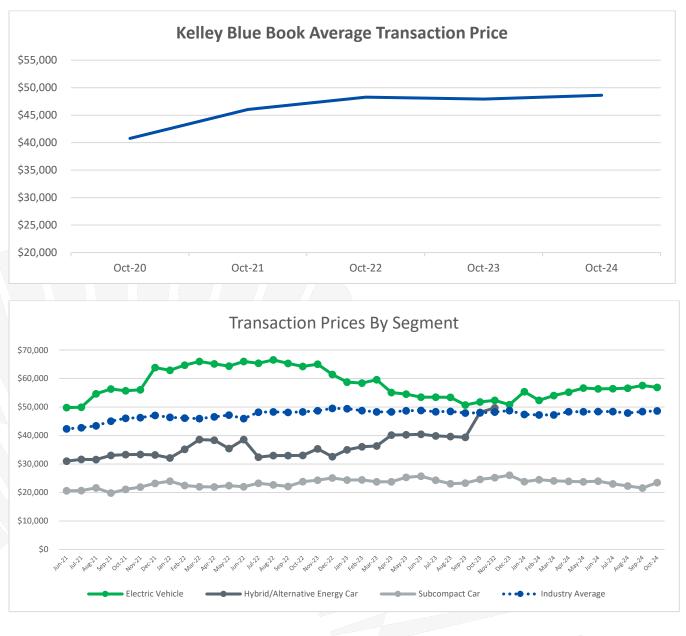
"Electric vehicle ATPs, at \$56,902 in October, were lower than the revised September estimate of \$57,580. Year over year, EV prices were higher by 0.9%, and compared to the industry average, electric vehicle ATPs in October were higher by just more than 14%, roughly in line with the premium paid one year ago.

EV incentives in October, however, were much higher than one year ago, helping make electric vehicles more affordable for consumers. The average incentive package offered on an EV, including estimates for government incentives when applicable, was 13.7% of ATP, up from a revised 11.6% in September and well more than double the level seen one year ago when incentives were 5.6% of ATP. EV incentives have been elevated throughout 2024, according to Kelley Blue Book data, averaging near 11% of ATP, well above industry average.

The average transaction price for a new Tesla – the industry's EV leader – declined in October from September to \$56,705, according to an initial estimate, but was higher year over year by more than 10%. Lower month-over-month Tesla prices in October were likely influenced by a drop in Cybertruck ATPs, which fell below \$100,000 for the first time since launch. In October, the Cybertruck ATP was \$98,495. Sales were also lower, dropping to 4,254, the lowest total since June."

**J.D. Power (Updated 11/6)**<sup>15</sup>: "The average new-vehicle retail transaction price has fallen from a year ago due to higher manufacturer incentives, larger retailer discounts and increased availability of lower-priced vehicles. Transaction prices are trending towards \$44,904—down \$739 or 1.6%—from October 2023."





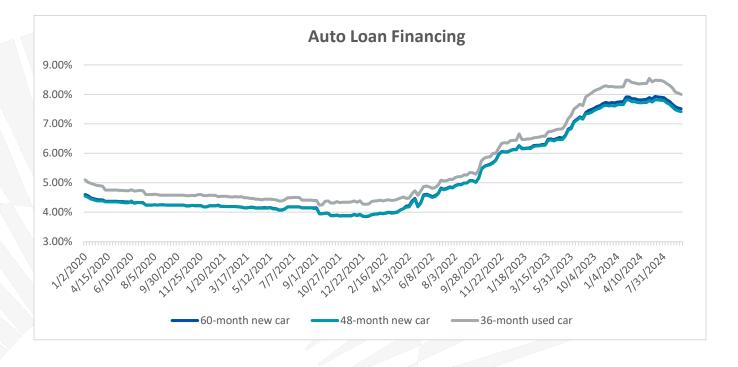
#### Auto Loan Financing (Updated 11/6)

**Interest Rates (updated 11/6):** Interest rates dipped slightly on the 60-month, 48-month and the 36-month used car loans over the past two weeks. Rates now stand at 7.51%, 7.41%, and 8.0%, respectively. Since the beginning of 2020, 60-month rates are up 2.91 pp, and are up 0.18 pp since the same time a year ago.<sup>16</sup>

**JD Power (11/6)**<sup>17</sup>: "Average monthly finance payments this month are on pace to be \$738, up \$14 from October 2023. The average interest rate for new-vehicle loans is expected to be 6.7%, down 68 basis points from a year ago. Monthly payments increasing is a result of a drop in trade-in equity, even though transaction prices and interest rates are falling."



Dates	60-month new car	48-month new car	36-month used car
1/2/2020	4.60%	4.55%	5.10%
11/1/2023	7.69%	7.60%	8.26%
10/16/2024	7.54%	7.44%	8.04%
10/30/2024	7.51%	7.41%	8.00%
Two Week Change	-0.03%	-0.03%	-0.04%
Change since 1/3/20	2.91%	2.86%	2.90%
One Year Change	-0.18%	-0.19%	-0.26%



#### Crude Oil and Gas Prices (Updated 11/6)

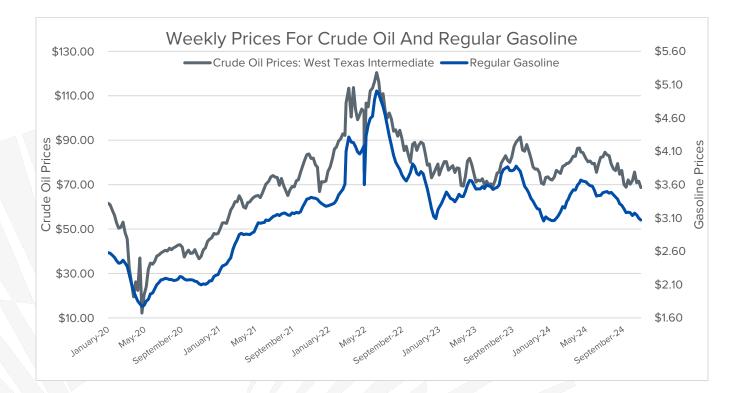
**Gas And Oil Remain Elevated (11/6):** Oil prices, as benchmarked at West Texas Intermediate were \$68.69, down \$2.90 from the prior week. Since election day 2020, oil prices are \$32 a barrel higher. Gas is down slightly from a week ago at \$3.07. Gas is 19% higher than the beginning of 2020 and has not been below \$3 a gallon since May 2021<sup>18</sup>

**EIA Outlook For Oil (11/6):**<sup>19</sup> "We reduced our 2025 forecast for U.S. Lower 48 states (L48) crude oil production in the October STEO from last month by 1% to 11.3 million b/d. This reduction reflects a downward revision to our West Texas Intermediate (WTI) crude oil price forecast. We now expect WTI will average \$72/b in 4Q24, about \$6/b lower than last month's forecast. Because there is about a six-month lag between price changes and producer activity, the recent price declines will begin reducing U.S. crude oil production in mid-



2025. By December 2025, U.S. L48 crude oil production will be 11.4 million b/d, 2% lower than our September STEO forecast."

**EIA Outlook For Gasoline (11/6)**<sup>20</sup>: "We now expect the U.S. retail gasoline price to average \$3.20 per gallon (gal) in 2025, down 10 cents/gal from the September forecast. We also expect the \$3.20/gal average next year to be down 10 cents/gal from the 2024 average retail gasoline price.



#### **Production Meter**

#### U.S. Light Vehicle Inventory and Days' Supply (Updated 11/6)

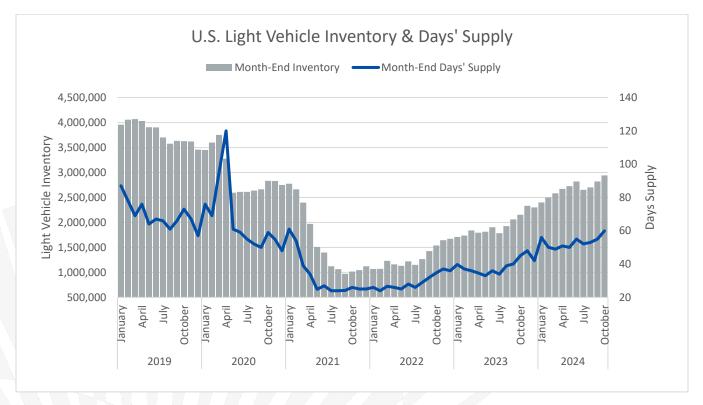
**WardsIntelligence Inventory Update (11/6)**<sup>21</sup>: "U.S. light-vehicle inventory rose 4.3% from the prior month to 2.941 million units, 36.2% above same-month 2023's 2.159 million and highest for the month since 3.622 million in 2019.

"Month-to-month percent changes in inventory have been roughly in line with typical pre-pandemic (2020) seasonal trends since July.

"However, with sales growth remaining stubbornly sluggish – though there was a possible spark to momentum in the final third of October – pockets of excess inventory have developed, and automakers appear to be pulling back on production to keep dealer lots from getting bloated.



"Oct. 31 days' supply totaled 60, well above like-2023's 45 and highest since 73 in 2019. Prior to the pandemic and supply-chain disruptions that started in 2020, typical October days' supply was 72 to 73."



## North American Production (Updated 11/26)

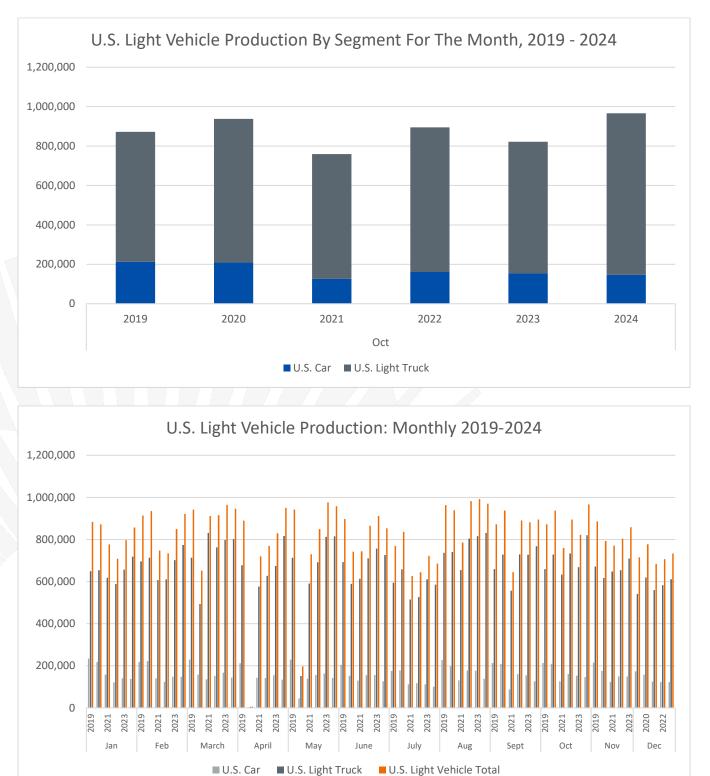
**Wards Intelligence**<sup>22</sup>: "Production of all vehicles in October totaled 1.506 million units, 7.0% above like-2023, which was hurt by labor-related strikes at Ford, General Motors, Mack and Stellantis. Production in November is tracking to a 5.4% year-over-year drop to 1.299 million and December is pegged to fall 5.8% to 1.031 million."

#### U.S. Light Vehicle Production (Updated 11/26)

#### U.S. Monthly Production (Upodated 11/26)

U.S. Light vehicle production for October was up 10 percent month-over-month, totaling 894,643 vehicles (146,015 cars, 820,154 light trucks), year-over-year, production is up 14.5 percent from 2023.<sup>23</sup>







## **Global Meter**

## Global Light Vehicle Sales (Updated 11/6)

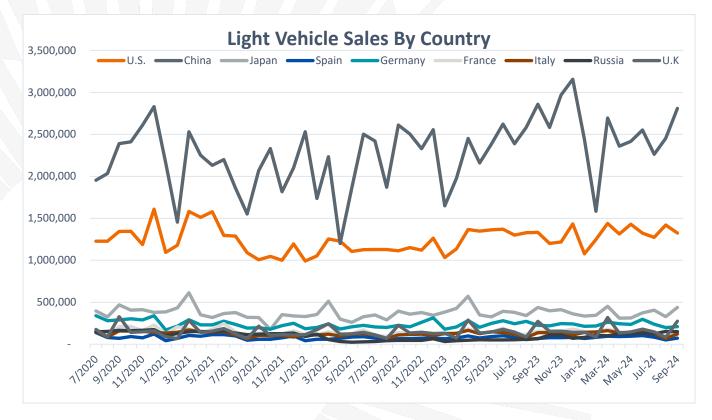
**Wards Intelligence<sup>24</sup>:** "Weakness continued in the global market in September, with year-over-year downturns in Asia-Pacific and North America regions more than offsetting gains in the other major markets.

"Including some estimates for the month, combined sales of light vehicles and medium-/heavy-duty trucks in September totaled 8.13 million units, 2.1% below same-month 2023's 8.30 million. The decline was the third straight and sixth in total so far this year.

"However, calendar year-to-date deliveries through September totaled 68.64 million units, 1.5% above like-2023's 67.63 million.

Excluding medium-/heavy-duty trucks, light-vehicle sales in September totaled 7.85 million units, 2.0% below "same-month year-ago's 7.17 million.

"However, GlobalData lowered its global outlook for entire-2024 500,000 units from September's revision to 88.0 million. Significant cuts were made to China, Western Europe and the U.S. Light-vehicle sales in 2025 are forecast to rise 3.5% year-over-year to 91.1 million, as headwinds weaken from elevated pricing and economic risks."





#### Global Light Vehicle Production (Updated 11/26)

**S&P Global Mobility Forecast (11/26)<sup>25</sup>:** "Light vehicle production remains somewhat challenged across a number of regions as inventory management efforts and mixed demand dynamics influence the near-to-intermediate term forecast. The production outlook reflects these ongoing challenges with this month's forecast update particularly focused on downgrades for Europe and South Asia while a noteworthy upward revision in the extreme near-term for Greater China on stronger output to support more recent improved sales driven by scrappage subsidies results in a modestly stronger overall global production outlook for 2024. We continue to evaluate the impacts of the recent US elections with nearly as many questions as answers remaining. Nevertheless, we do expect material reductions in BEV volumes/market share and revisions in electrification mix. These changes are expected to be reflected in future forecast updates. The November forecast update reflects a mix of upgrades and downgrades of varying magnitudes in the near-to-intermediate term, with adjustments spread across a few regions. China receives a material upgrade for the balance of 2024 to support recent sales strength fueled by government-supported scrappage subsidies. Downward revisions are primarily focused on Europe as well as South Asia, as both markets navigate dynamic demand fundamentals and inventory management, among other factors. The more noteworthy regional adjustments with the latest forecast update are detailed below:

**"Europe:** The outlook for Europe light vehicle production was reduced by 92,000 units and by 170,000 units for 2024 and 2025, respectively (and reduced by 25,000 units for 2026). European regional output was cut again this month. The outlook for 2024 in Western and Central Europe, including Turkey, was revised downward by 104,000 units. This reduction was primarily due to downgrades for Stellantis and Volvo, which were reduced by 33,000 and 38,000 units, respectively. The Stellantis Q4-2024 outlook was particularly impacted, while Volvo reported worse-than-expected Q3-2024 results, with a drop of 29,000 units. Additionally, the production disruption from flooding in Valencia, Spain, led to a general 18,000-unit downgrade for November output in the country. However, a recovery is anticipated in the short-term, with minimal impact on total country volume for 2024. Finally, concerns over potential strikes at Mercedes-Benz and Volkswagen plants in Germany prompted a further reduction of 25,000 units in December output there. Of note, the outlook for the CIS market for 2024 was upgraded modestly by 12,000 units yet failed to offset losses elsewhere in Europe. Looking ahead to 2025, the forecast downgrade was particularly focused in Western and Central Europe, with the outlook for Stellantis becoming notably pessimistic with a reduction of 145,000 units.

**"Greater China:** The outlook for Greater China light vehicle production was increased by 409,000 units and by 51,000 for 2024 and 2025, respectively (and increased by 38,000 units for 2026). The light vehicle market in China continues to recover from the seasonal summer slowdown with October production posting 7% growth year-over-year. During Golden Week holidays, motivated by enhanced scrappage subsidy policies from central and regional governments, passenger vehicle sales have further improved with 16% growth year-over-year according to the CPCA. Despite the sales recovery, given previous high inventory levels and recent production strength, the passenger vehicle inventory index remains elevated at 1.76 for October according to the CDCA. In order to sustain sales activity and support domestic GDP growth, stronger price promotion by most automakers is expected in the coming months. Given recent sales and production strength and an improved very near-term outlook, the forecast for 2024 was revised upward to 29.7 million units, representing 2.4% growth year-over-year. However, with ongoing economic uncertainties, a likely pay-back effect related to the scrapping policy and impacts from the US election, the outlook for 2025 and 2026 was only more modestly revised upwards.

**"Japan/Korea:** Full-year 2025 Japan production was upgraded by 39,000 units relative to last month's forecast. Toyota is expected to maintain momentum in the first quarter of 2025 to fill the backlog of the



Alphard in Japan and to drive ICE exports of the RAV4 and the Land Cruiser. There were no major changes to the long-term forecast relative to last month's update. South Korea light vehicle production for 2024 was reduced by 12,000 units relative to last month's forecast. Domestic sales and exports increased in October but fell short of expectations. As a result, production in the extreme near-term was modestly adjusted downward by 0.3% to 4.09 million units. Meanwhile, the production outlook for 2025 and 2026 remained largely unchanged from the previous forecast. In the longer term, production volume from 2030 onwards increased by about 40,000 units or 1.2% per year to address conditions of underbuilding

**"North America:** The outlook for North America light vehicle production was largely unchanged for the 2024 to 2026 timeframe. The general near-term production outlook for North America continues to reflect the need for further inventory correction. Despite the lack of forecast movement at the macro level, production in 2025 for Ford was revised down by 45,000 units on the need to correct for increasingly excessive inventory which is expected to remain an issue heading into next year. Conversely, Stellantis is moving aggressively to correct inventory with production revised down an additional 48,000 units in 2024 on lower than expected production results in October in addition to downtime extensions centered around the Jeep Grand Cherokee, Gladiator and Wrangler. As a result of the aggressive action from Stellantis, upside potential exists in 2025 which was revised higher by a marginal 6,000 units. Production risk for Stellantis in 2025 moves from excessive production levels to the potential for launch related issues, including delays and/or slower than forecasted launch curves. We continue to evaluate the impacts of the recent US elections with nearly as many questions as answers remaining. Nevertheless, we do expect material reductions in BEV volumes/market share and revisions in electrification mix. These changes are expected to be reflected in future forecast updates.

**"South America:** The outlook for South America light vehicle production was increased by 23,000 units and by 4,000 units for 2024 and 2025, respectively (and reduced by 9,000 units for 2026). In the extreme nearterm, the outlook has been upgraded due to stronger October production results for Brazil and Argentina coming in 10% and 6% above expectations, respectively. In the absence of a sales forecast update for November, there were no other major changes to the 2024 production outlook for the region. For 2025 and 2026, production volumes remained fairly stable with changes primarily focused on vehicle timing changes, including the delayed renewal of the Toyota Hilux pickup and SUV (delayed by 11 months to 2027 instead of 2026).

**"South Asia:** The outlook for South Asia light vehicle production was reduced by 63,000 units and by 60,000 units for 2024 and 2025, respectively (and reduced by 97,000 units for 2026). South Asia's light vehicle production forecast update for 2024 was impacted by production weakness associated with the ASEAN market. Weaker recent output for Malaysia accompanied by increased downtime extending further into the fourth quarter was a major driver of the reduced outlook in the extreme near-term. The outlook for 2025 and 2026 in the ASEAN market was revised down by 50,000 units and 55,000 units, respectively, primarily on expectations for softer domestic and export demand for Thailand and Indonesia. Regarding the India market, production was reduced by 24,000 units for 2024 to reflect weaker recent actual production and increased downtime to correct high inventory levels. In spite of recent sales strength, inventory remains elevated, indicating that further corrective actions may be necessary in the coming months. Additional downward revisions, albeit fairly modest, incorporated for India in 2025 and 2026, in part, reflect the ongoing influence of the weaker rupee and elevated interest rates coupled with uncertainty associated with the alliance government and high inventory levels.

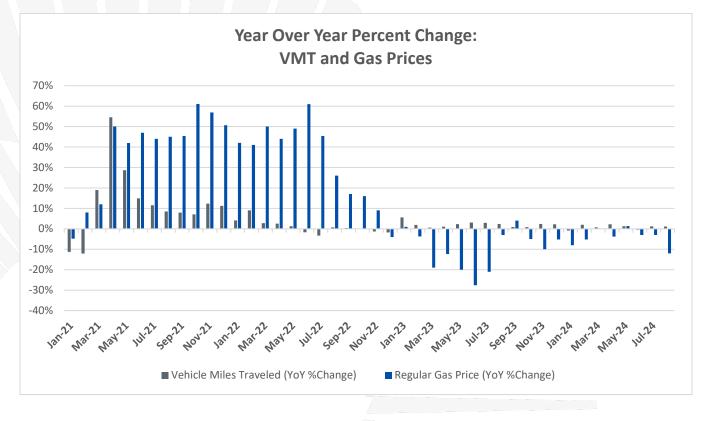


## Recovery Meter

### Roadway Travel (Updated 11/6)

According to the U.S. Department of Transportation, seasonally-adjusted vehicle miles traveled in August increased .7 percent from the same time a year ago. The cumulative travel estimate for 2024 is 2,192 billion vehicle miles.<sup>26</sup>

- Travel on all roads and streets changed by +1.1% (+3.3 billion vehicle miles) for August 2024 as compared with August 2023. Travel for the month is estimated to be 294.2 billion vehicle miles.
- The seasonally adjusted vehicle miles traveled for August 2024 is 274.9 billion miles, a +0.7% (+2.0 billion vehicle miles) change over August 2023. It also represents a 0.2% change (0.6 billion vehicle miles) compared with July 2024.
- Cumulative Travel for 2024 changed by +0.9% (+19.9 billion vehicle miles). The cumulative estimate for the year is 2,192.2 billion vehicle miles of travel.



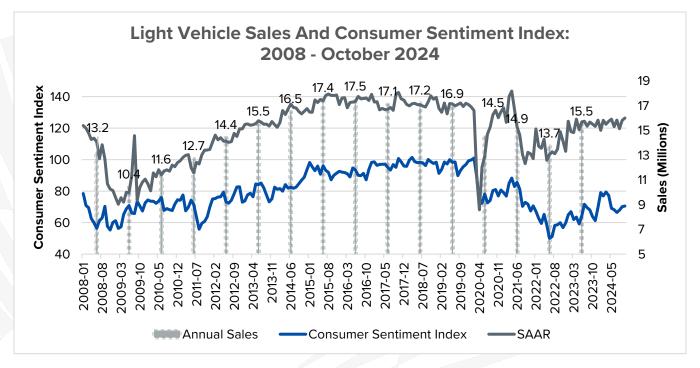
#### Consumer Confidence and Sales (Updated 11/6)

**Surveys of Consumers Director Joanne Hsu<sup>27</sup>:** "Consumer sentiment lifted for the third consecutive month, inching up to its highest reading since April 2024. Sentiment is now more than 40% above the June 2022 trough. This month's increase was primarily due to modest improvements in buying conditions for durables, in



part due to easing interest rates. The upcoming election looms large over consumer expectations. Overall, the share of consumers expecting a Harris presidency fell from 63% last month to 57% in October. Sentiment of Republicans, who believe that a Trump presidency would be better for the economy, rose 8% on growing confidence that their preferred candidate would be the next president. In contrast, sentiment declined 1% for Democrats. As usual, Independents remain in between, with a 4% gain in sentiment this month. Regardless of the eventual winner, a sizable share of consumers will likely update their economic expectations based on the results of the election.

"Year-ahead inflation expectations were unchanged from last month at 2.7%. The current reading falls within the 2.3-3.0% range seen in the two years prior to the pandemic. Long-run inflation expectations edged down from 3.1% last month to 3.0% this month, remaining modestly elevated relative to the range of readings seen in the two years pre-pandemic."

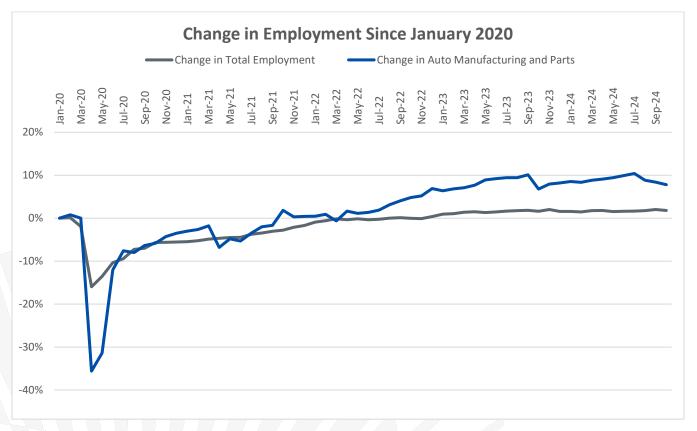


#### Employment (Updated 10/24)

Motor Vehicle And Parts Manufacturing Lost 6,000 Jobs in October.

After a loss of nearly 350,000 employees (about 35% of the workforce) in the height of the pandemic, employment in the Automobile Manufacturing and Parts sectors raced back but is now fighting losses due to supply chain disruptions with semiconductors.<sup>28</sup>

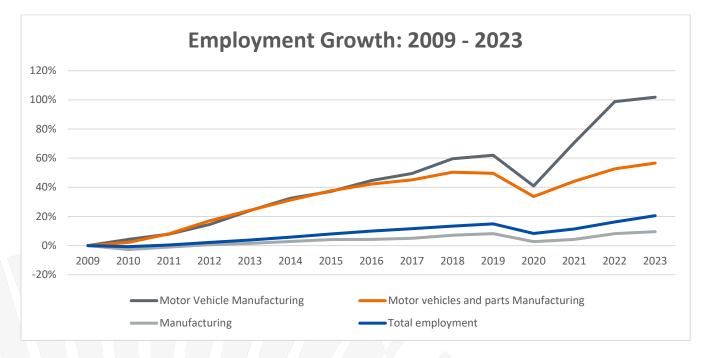




After the recession in 2009, the auto industry was credited with being on the leading edge of the recovery, which began a ripple effect through other parts of the country...<sup>29</sup> Additionally, the chart below shows how the recovery of jobs in motor vehicle manufacturing alone and motor vehicle and parts manufacturing far outpaced the recovery of manufacturing and total jobs.



Cleaner, Safer, Smarter, ®



#### Sources

- <sup>1</sup>WardsIntelligence, U.S. Light Vehicle Sales, January 2021 June 2023
- <sup>2</sup> WardsIntelligence, North America Production, January 2021 June 2023
- <sup>3</sup> WardsIntelligence, North America Platform by Plant Production Forecast, Q1
- <sup>4</sup> Haig Stoddard, "November U.S. Light-Vehicle Sales to Improve on October's Growth," WardsIntelligence, 11/22/2024
  <sup>5</sup> Haig Stoddard, "November U.S. Light-Vehicle Sales to Improve on October's Growth," WardsIntelligence, 11/22/2024
- <sup>6</sup> Haig Stoddard, "U.S. Light-Vehicle Inventory Rises 4% in October from Prior Month," WardsIntelligence, 11/4/2024
- <sup>6</sup> WardsIntelligence, "Fourth-Quarter North America Production Outlook Cut 92,000 Units," 11/19/2024
- <sup>7</sup> S&P Global Mobility, email, "S&P Global Mobility Monthly Automotive Update August 2024," 8/19/2024
- <sup>8</sup> Haig Stoddard, "U.S. Light-Vehicle Sales in October Edge Above Expectations," WardsIntelligence, 11/1/2024
- <sup>9</sup> WardsIntelligence, U.S. Light Vehicle Sales, January 2013 August 2024
- <sup>10</sup> U.S. Energy Information Administration, Weekly Retail Gasoline and Diesel Prices, Regular price per gallon, including taxes
- <sup>11</sup> WardsIntelligence, Fuel Economy Index, December 2013 & 2019
- <sup>12</sup> WardsIntelligence, U.S. Light Vehicle Sales, August 2022 2024
- <sup>13</sup> Haig Stoddard, "U.S. Light-Vehicle Sales in October Edge Above Expectations," WardsIntelligence, 11/1/2024
- <sup>14</sup> Kelley Blue Book, Press Release, "New-Vehicle Sales Incentives Climb Higher in July, According to Kelley Blue Book Estimates," 8/13/2024
- <sup>15</sup> J.D. Power, Press Release, "October New-Vehicle Sales Expected to Rise with 16.1M SAAR," 10/24/2024
- <sup>16</sup> Bankrate, "Current Car Loan Interest Rates," Accessed 7/22/2024
- <sup>17</sup> J.D. Power, Press Release, "October New-Vehicle Sales Expected to Rise with 16.1M SAAR," 10/24/2024
- <sup>18</sup> U.S. Energy Information Administration, Regular Gasoline, <u>www.eia.gov</u>, Accessed 9/9/2024; U.S. Energy Information Administration, Weekly Cushing, OK WTI Spot Price, www.eia.gov, Accessed 9/9/2024
- <sup>19</sup> EIA, "<u>Short-Term Energy Outlook</u>," 7/9/2024
  <sup>20</sup> EIA, "<u>Short-Term Energy Outlook</u>," 7/9/2024
- <sup>21</sup> Haig Stoddard, "U.S. Light-Vehicle Inventory Rises 4% in October from Prior Month," WardsIntelligence, 11/4/2024
- <sup>22</sup> Haig Stoddard, "U.S. Light-Vehicle Inventory Rises 4% in October from Prior Month," WardsIntelligence, 11/4/2024
- <sup>23</sup> WardsIntelligence, "North America Production, August ," 2019, 2020, 2021, 2022, 2023, 2024
- <sup>24</sup> Haig Stoddard, "Global Vehicle Sales Rise Third Straight Month in May," WardsIntelligence, 6/27/2024
- <sup>25</sup> S&P Global Mobility, email, "S&P Global Mobility Monthly Automotive Update September 2024," 9/16/2024
- <sup>26</sup> U.S Department of Transportation, <u>https://www.fhwa.dot.gov/policyinformation/travel\_monitoring/21septvt/</u>, Accessed 5/3//2024
- <sup>27</sup> University of Michigan, Survey of Consumers, http://www.sca.isr.umich.edu/, Accessed 7/9/2024
- <sup>28</sup> Bureau of Labor Statistics, Current Employment Statistics, Accessed 7/9/2024
- <sup>29</sup> Jerry Hirsch, "Auto Industry Has Soared Since 2010, Leading Economic Recovery," Los Angeles Times, 1/3/14