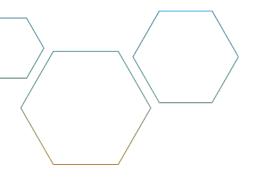


INDUSTRY INSIGHTS 2024 WEBCAST

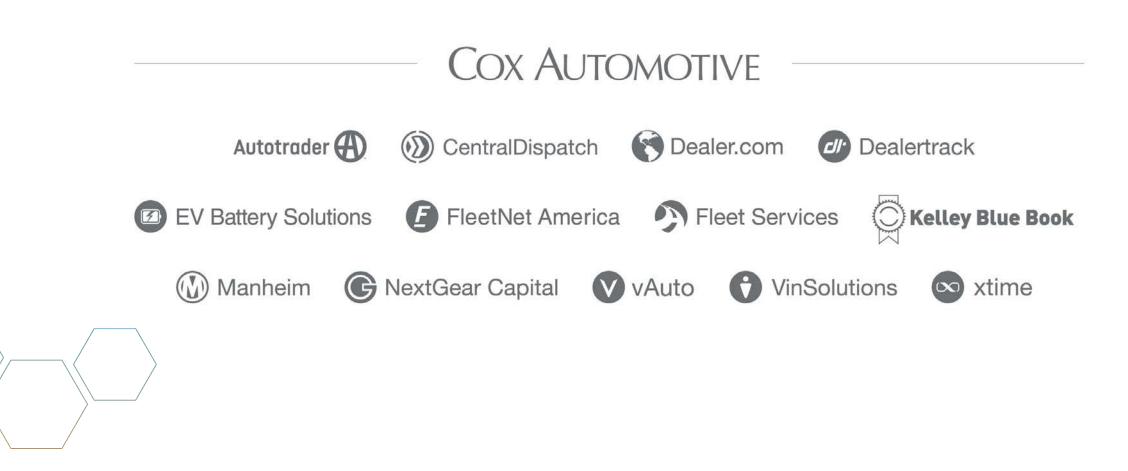
January 8, 2024



WHERE IT ALL CONNECTS

The most complete and connected ecosystem





AGENDA

Time Check: 60 Minutes

Intro & Cox Automotive

Forecast: 2024

New-Vehicle Market

Electric Vehicle Market

Wholesale and Used-Vehicle Markets

2024 Forecasts & Playlist

Q&A

Mark Schirmer, Director, Corporate Communications

Jonathan Smoke, Chief Economist

Charlie Chesbrough, Senior Economist

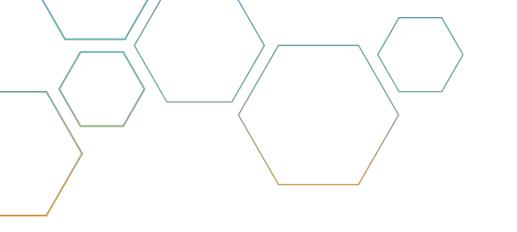
Stephanie Valdez Streaty, Director, Industry Insights

Jeremy Robb, Senior Director, Economic and Industry Insights

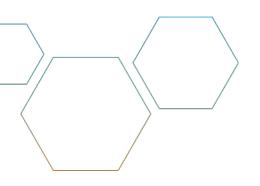
Jonathan Smoke, Chief Economist and Resident DJ

w/ Michelle Krebs, Executive Analyst Erin Keating, Senior Director, Economic and Industry Insights





FORECAST: 2024



JONATHAN SMOKE

Chief Economist



FORECAST: 2024

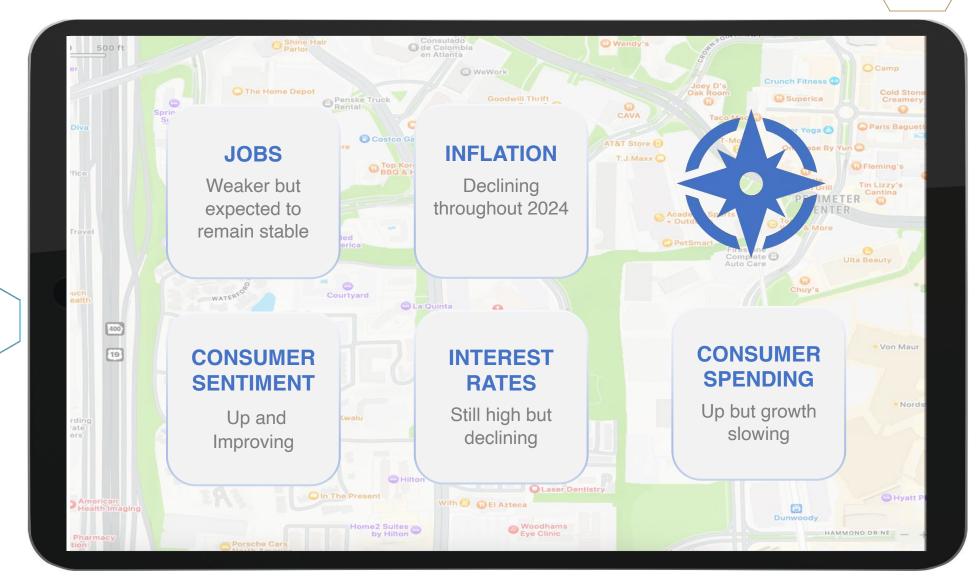
5 themes to look for in '24

- 1. Slow Growth Ahead, But It Beats a Recession.
- 2. Vehicle Supply Is Back to Favoring Consumers, with Downward Pressure on Prices.
- 3. In 2024, We Officially Bid Farewell to the Seller's Market.
- 4. In the Electric Vehicle Market, 2024 Will Be the *Year of More*.
- 5. Car Buying in America: Normal Is Nice.

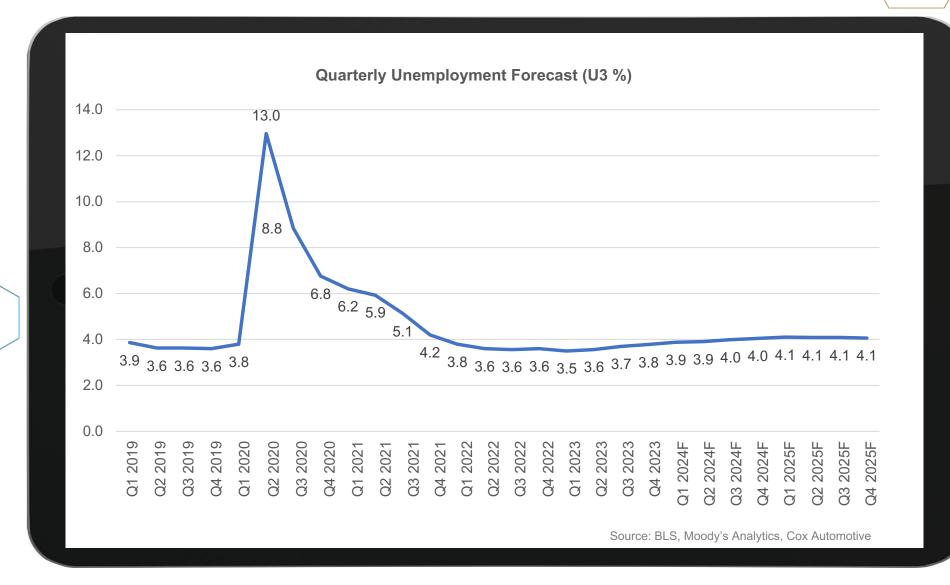




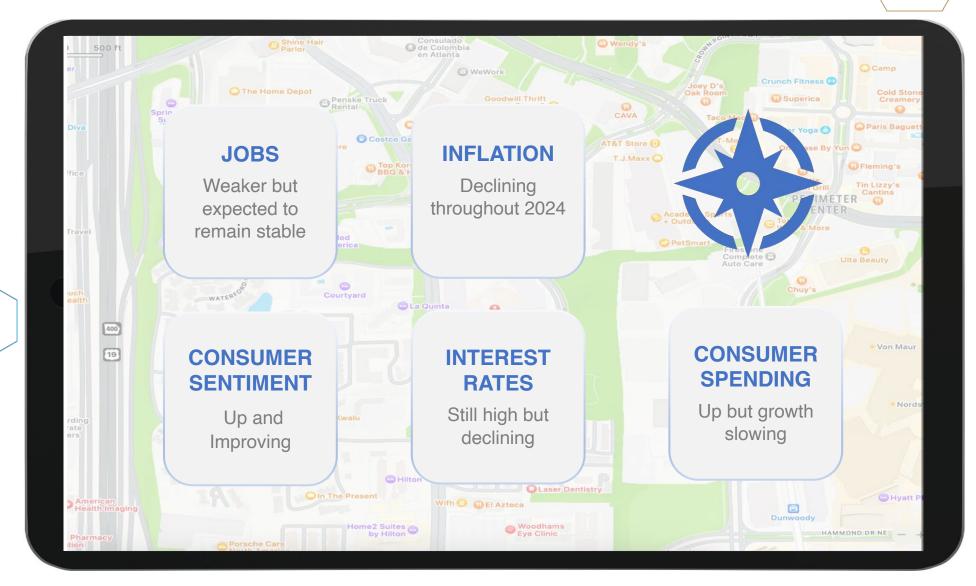
SLOW GROWTH AHEAD | An Economic Roadmap for 2024



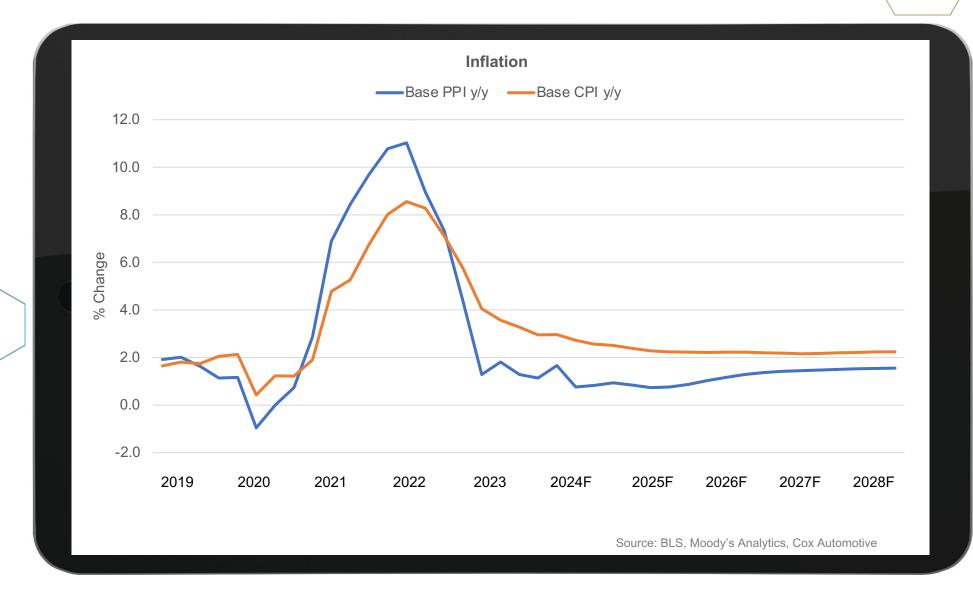
SLOW GROWTH AHEAD | Weak but Stable Job Market



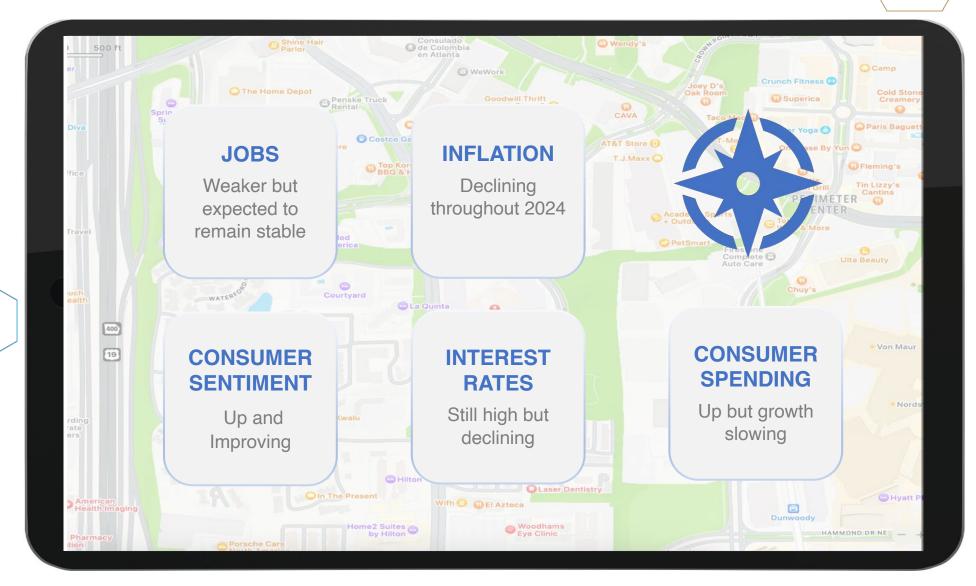
SLOW GROWTH AHEAD | An Economic Roadmap for 2024



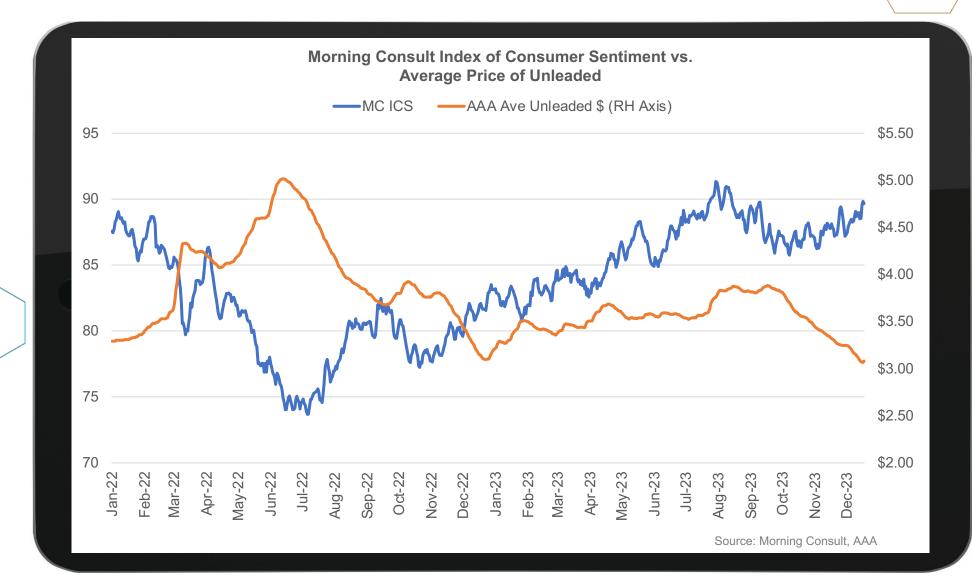
SLOW GROWTH AHEAD | Inflation Declines in 2024



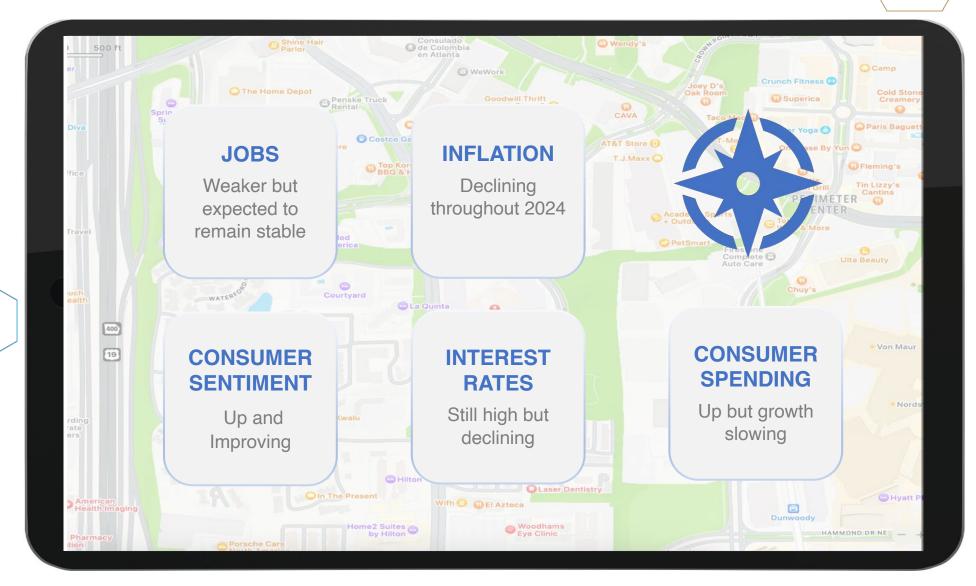
SLOW GROWTH AHEAD | An Economic Roadmap for 2024



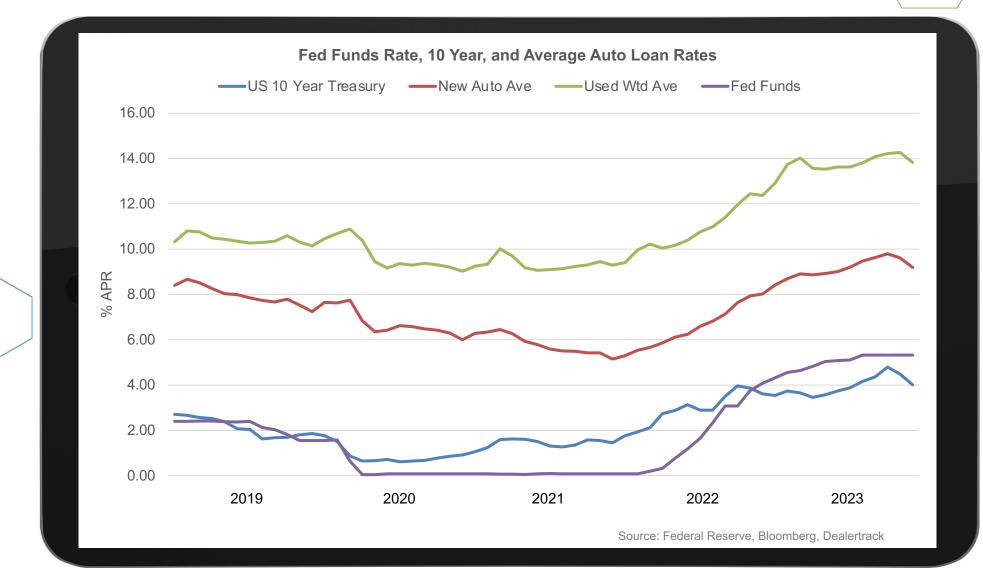
SLOW GROWTH AHEAD | Consumer Sentiment Improving



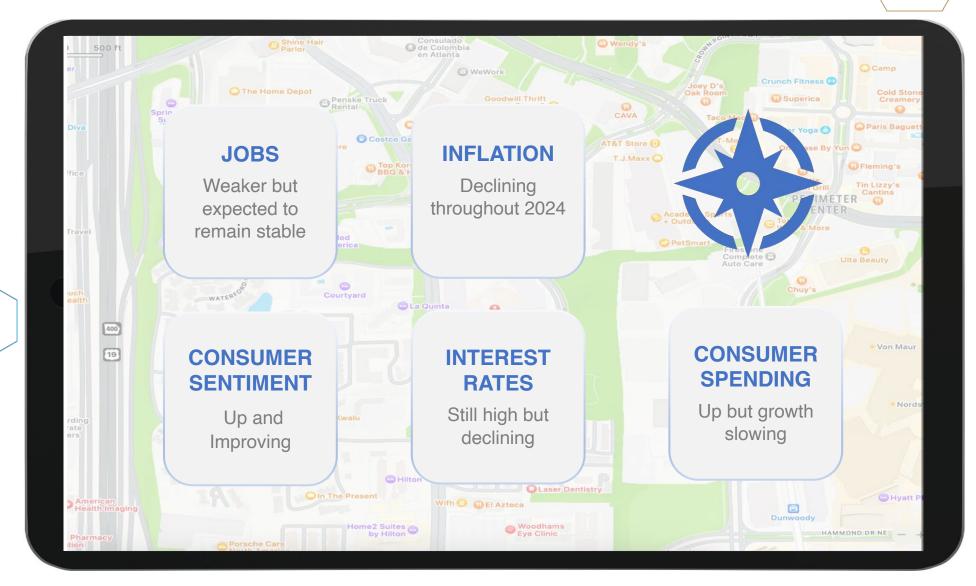
SLOW GROWTH AHEAD | An Economic Roadmap for 2024



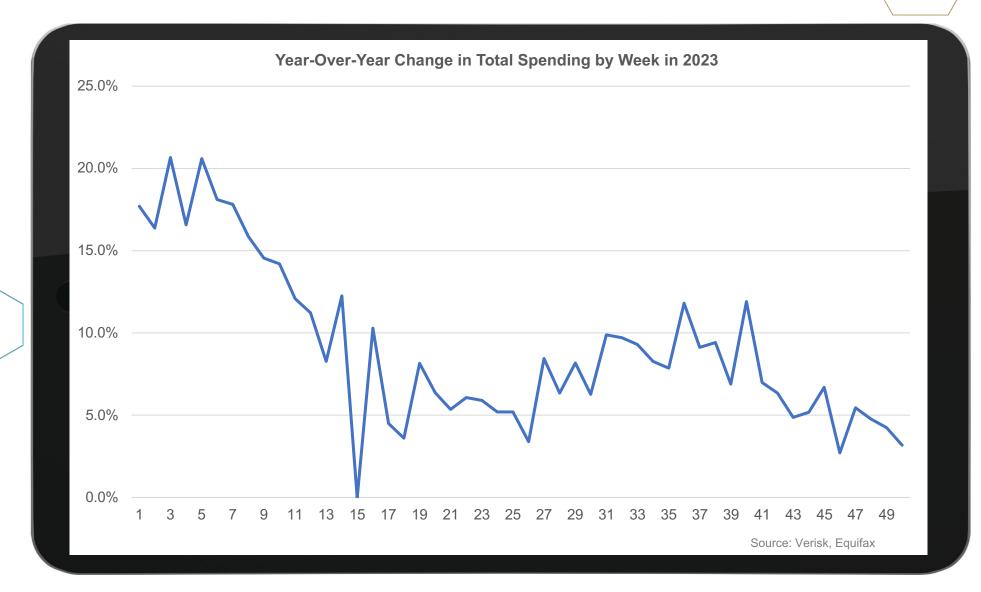
SLOW GROWTH AHEAD | Interest Rates Begin to Decline



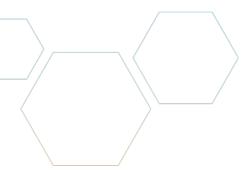
SLOW GROWTH AHEAD | An Economic Roadmap for 2024



SLOW GROWTH AHEAD | Consumer Spending Growth Slows



NEW-VEHICLE MARKET



CHARLIE CHESBROUGH

Senior Economist

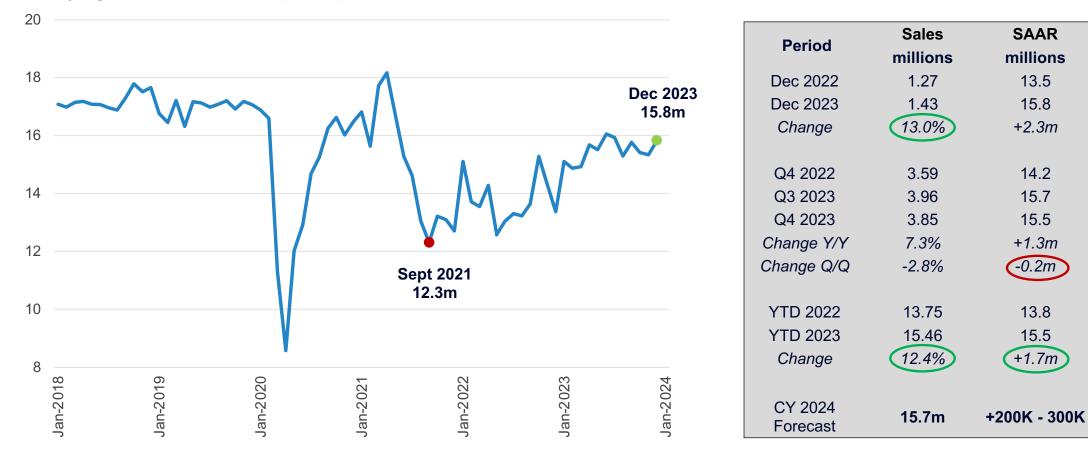




NEW-VEHICLE SALES | 2023 Finishes with 15.46 Million

A bumpy recovery since hitting bottom, and expected to continue through 2024

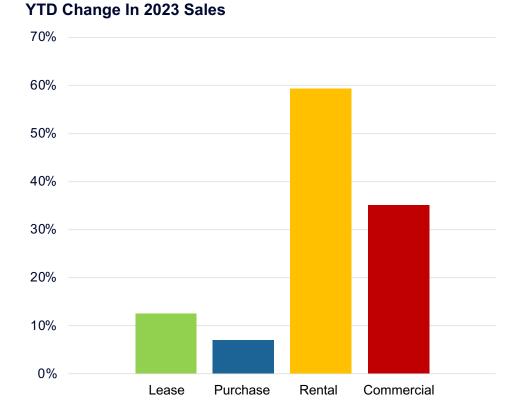
Monthly Light Vehicle Sales SAAR (millions)



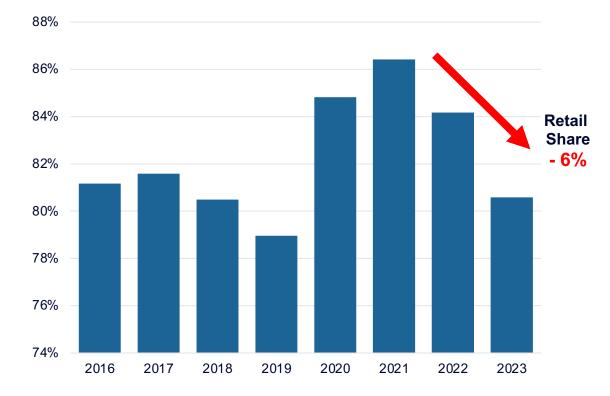
17

SALES CHANNELS | Fleet Sales Drive 2023 Gains

Pent-up rental and commercial demand unleashed, but further growth will be more difficult



Retail Share (Purchase-Lease) of Total Sales





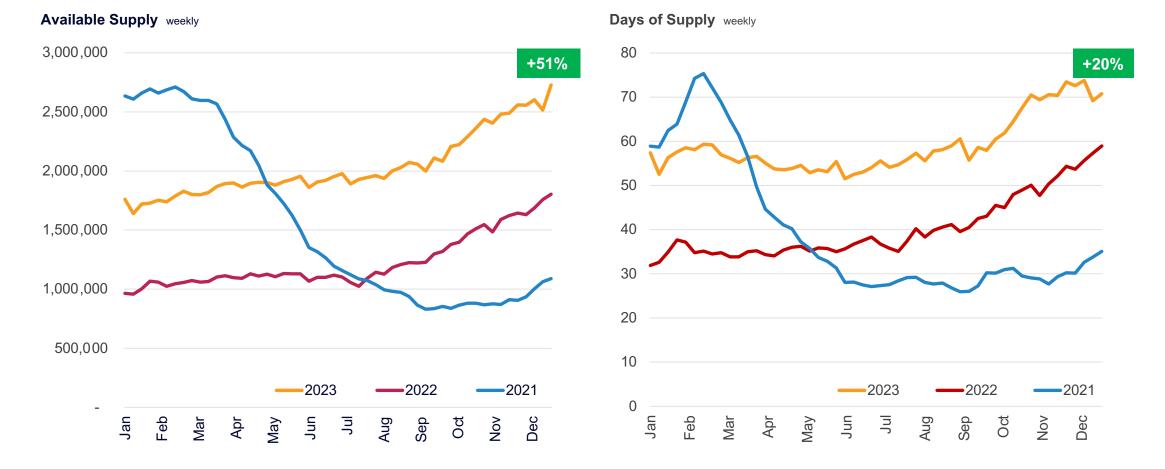
OEM SALES | GM Wins Title – Honda Gains Most Share

While Toyota, Ford and Stellantis had tough year

OEM	Q4 2022	Q3 2023	Q4 2023	Y/Y Change	Q/Q Change	CY 2022	CY 2023	Change	Share 2022	Share 2023	Difference
GM	618,692	669,234	619,834	0.2%	-7.4%	2,258,429	2,577,648	14.1%	16.3%	16.5%	0.3%
Toyota	536,740	590,296	619,661	15.4%	5.0%	2,108,457	2,248,477	6.6%	15.2%	14.4%	-0.8%
Ford	479,769	497,108	484,458	1.0%	-2.5%	1,850,925	1,981,332	7.0%	13.3%	12.7%	-0.6%
Hyundai	386,898	430,302	402,339	4.0%	-6.5%	1,474,224	1,652,821	12.1%	10.6%	10.6%	0.0%
Stellantis	347,669	380,563	343,552	-1.2%	-9.7%	1,547,076	1,527,090	-1.3%	11.1%	9.8%	-1.3%
Honda	255,250	339,143	337,511	32.2%	-0.5%	983,507	1,308,186	33.0%	7.1%	8.4%	1.3%
Nissan Mitsu	211,768	239,074	221,351	4.5%	-7.4%	815,160	986,136	21.0%	5.9%	6.3%	0.5%
Tesla	131,574	156,621	161,375	22.6%	3.0%	522,444	654,888	25.4%	3.8%	4.2%	0.4%
VW	143,979	167,279	176,248	22.4%	5.4%	558,009	632 <i>,</i> 994	13.4%	4.0%	4.1%	0.0%
Subaru	155,466	163,131	164,863	6.0%	1.1%	556,581	632,083	13.6%	4.0%	4.1%	0.0%
BMW	112,057	91,849	108,795	-2.9%	18.4%	361,892	385,927	6.6%	2.6%	2.5%	-0.1%
Mazda	79,517	88,834	90,737	14.1%	2.1%	294,909	363,354	23.2%	2.1%	2.3%	0.2%
Mercedes- Benz Group	88,493	90,011	92,992	5.1%	3.3%	350,949	354,723	1.1%	2.5%	2.3%	-0.3%
Geely Volvo	32 <i>,</i> 655	36 <i>,</i> 098	39,561	21.1%	9.6%	111,509	140,590	26.1%	0.8%	0.9%	0.1%
Tata JLR	21,806	21,059	21,338	-2.1%	1.3%	68,546	80,101	16.9%	0.5%	0.5%	0.0%
Rivian	8,054	15,564	13,972	73.5%	-10.2%	20,332	50,122	146.5%	0.1%	0.3%	0.2%
Lucid	1,060	1,457	1,512	42.6%	3.8%	2,656	5,779	117.6%	0.0%	0.0%	0.0%
Vinfast	0	1,159	1,120	-	-3.4%	0	3,129	-	0.0%	0.0%	0.0%
Fisker	0	997	1,672	-	67.7%	0	2,669	-	0.0%	0.0%	0.0%
NATION	3,611,447	3,979,779	3,902,891	8.1%	-1.9%	13,885,605	15,588,049	12.3%	100.0%	100.0%	0.0%

NEW-VEHICLE INVENTORY | Finished Up 51% vs. Last Year

Currently over 900K more units than last year, days of supply at 71 – up 20%

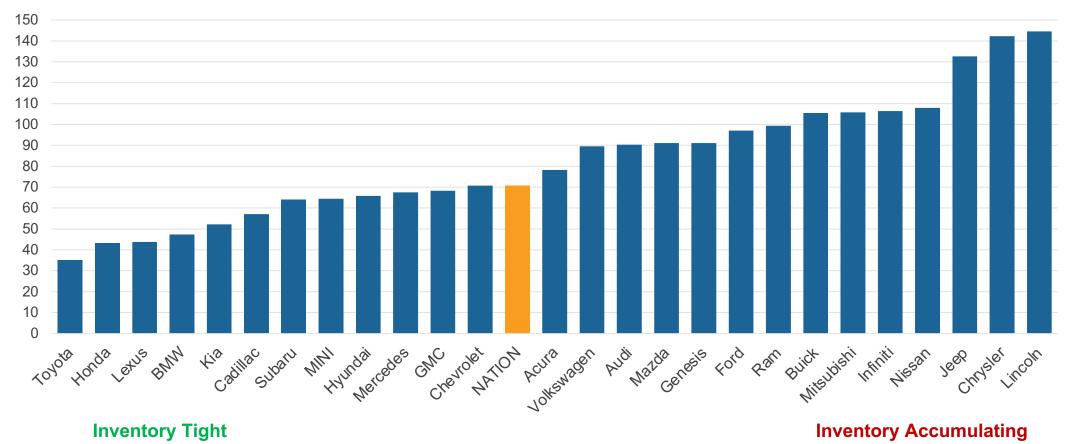




BRAND INVENTORY | Supply Situation Remains Varied

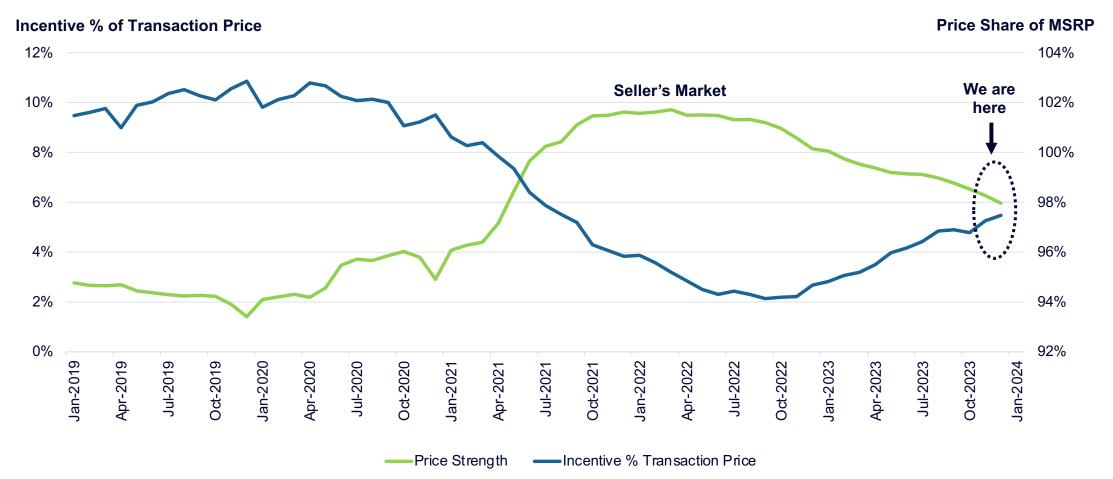
Some brands remain in limited availability while others have accumulation

New Vehicle Days Of Supply



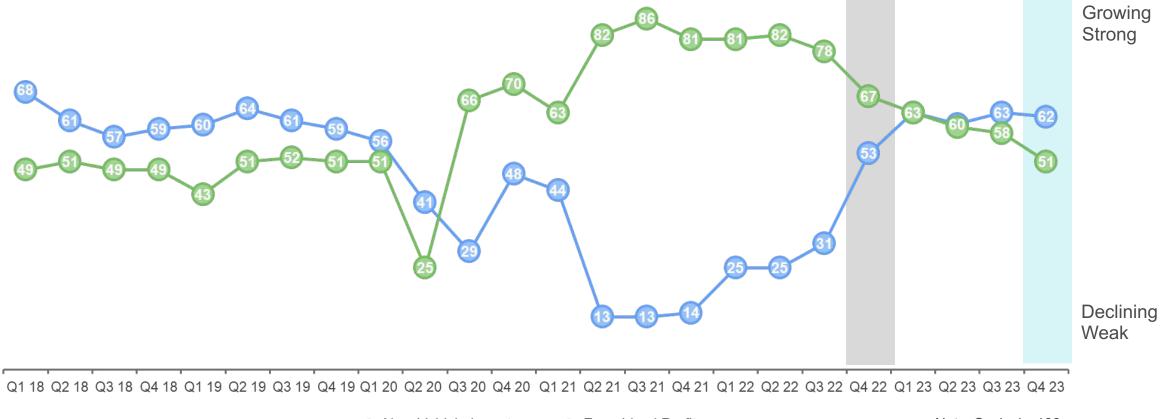
CHANGING PRICES | Seller's Market Shifting Towards Buyers

Incentives rising again and price strength is eroding



DEALER SENTIMENT | Price Pressure Having Impact

As the market returns to normal so is profitability



ELECTRIC VEHICLE MARKET

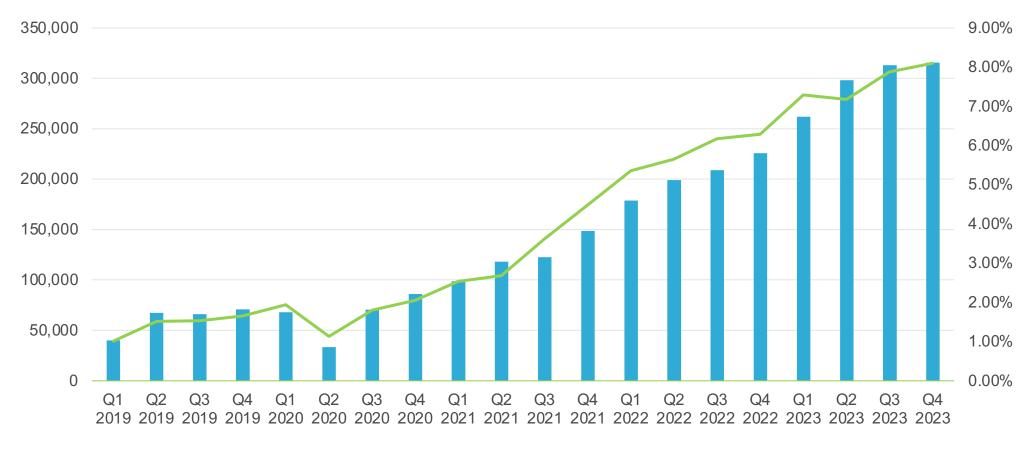
STEPHANIE VALDEZ STREATY

Director, Industry Insights



EV SALES ESTIMATES | Record Year, Growth Slows

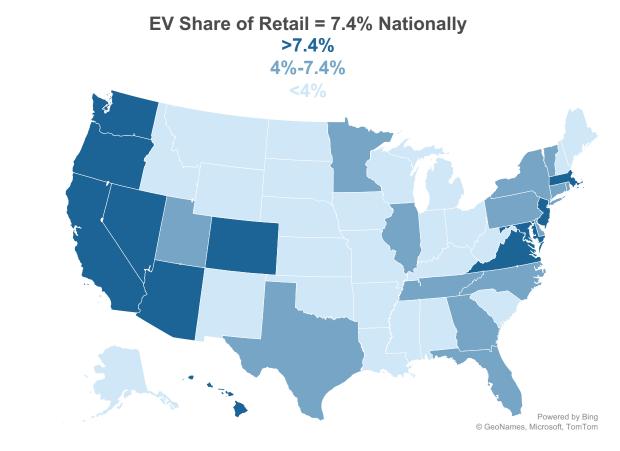
Q4 up only slightly from Q3; year over year growth of 46% pushes total sales to 1.1 million



EV Volume — EV Share

EV SALES ADOPTION | Uneven, An Opportunity

Low penetration of EVs in some states suggests product knowledge, value proposition and consumer interest lacking



	EV Share of Retail Sales
CALIFORNIA	21.1%
WASHINGTON	15.4%
NEW JERSEY	10.3%
NATION	7.4%
CONNECTICUT	6.6%
TEXAS	5.4%
NEW YORK	4.7%
PENNSYLVANIA	4.1%
MICHIGAN	3.1%
OHIO	3.0%
WEST VIRGINIA	1.1%
NORTH DAKOTA	0.7%

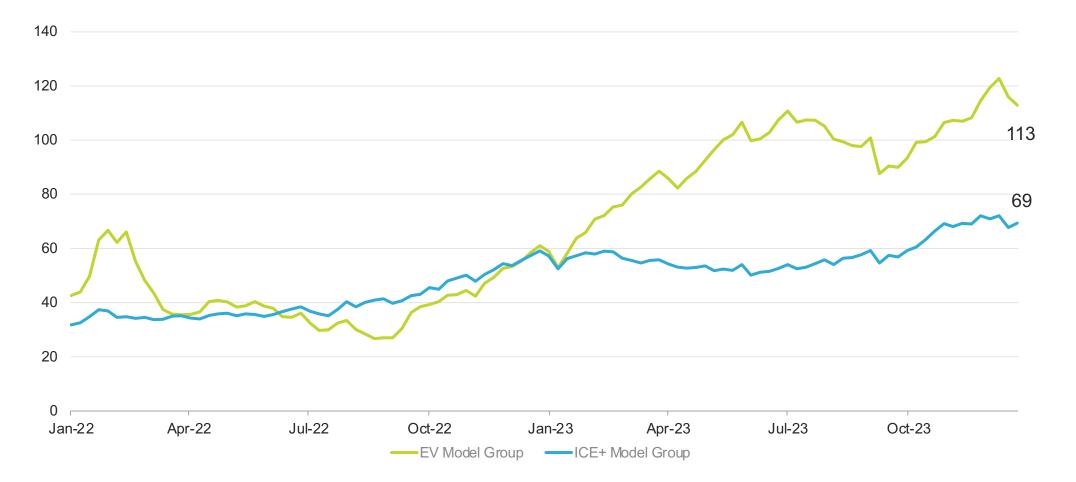


26



EV INVENTORY | Well Above Industry Average

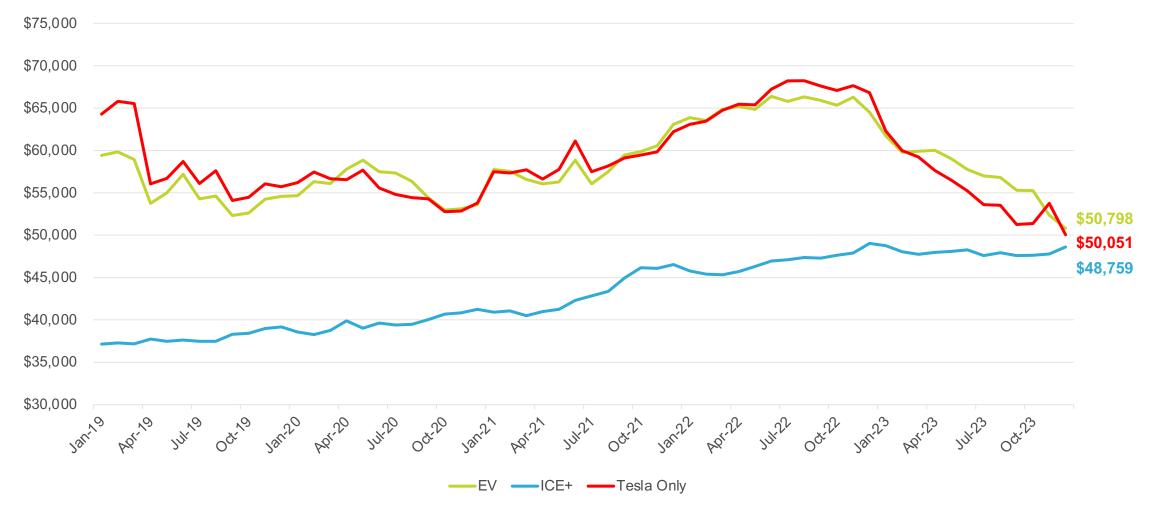
EV inventory increased by 92% in 2023, averaging 113 days' supply to end the year



Note: Tesla, Rivian and Brands with a "Direct to Consumer Platform" are not represented.

EV TRANSACTION PRICE | Tesla Leads the Way Down

EV prices near parity with ICE, driven by surplus inventory, higher incentives and competition

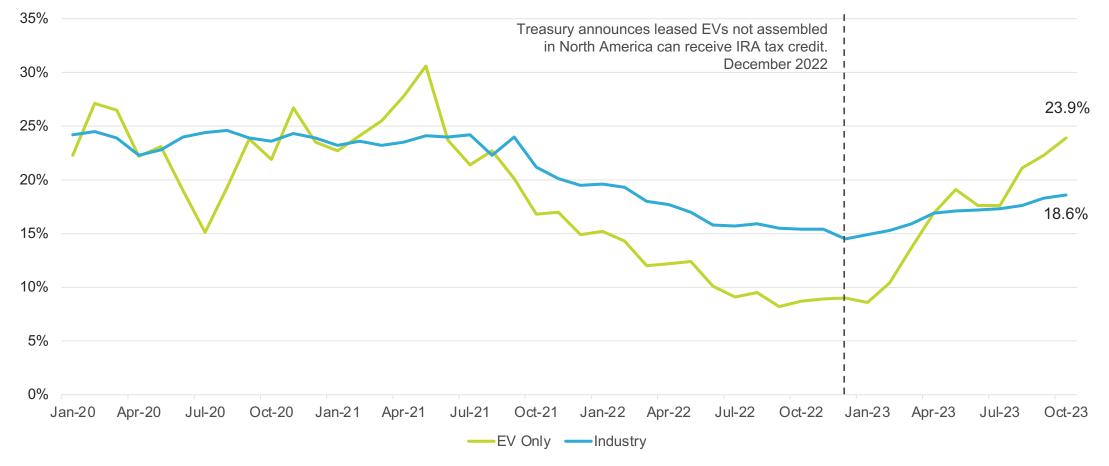




EV LEASING | Expected to Rise Further in 2024

Electric vehicle leases continue to increase with stricter eligibility for IRA tax credits.

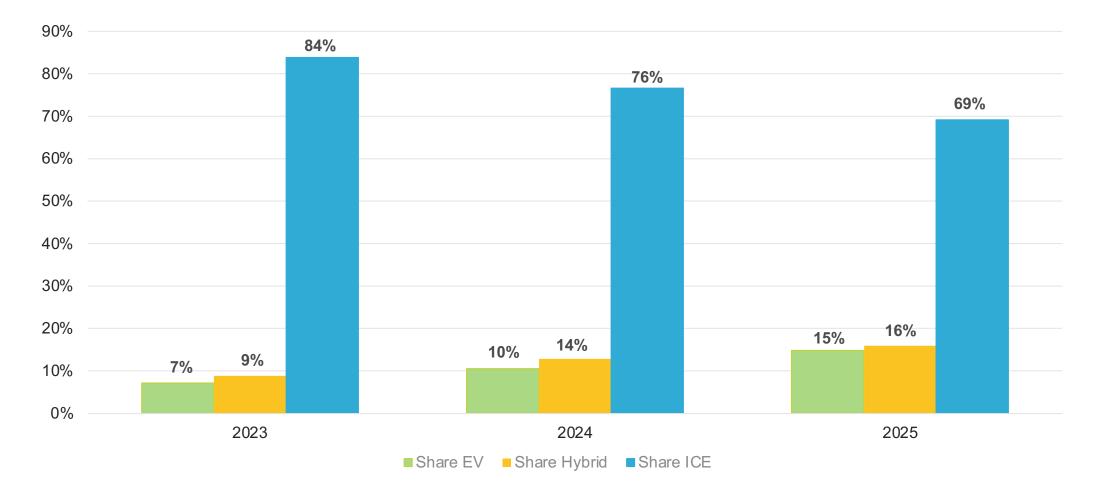
Lease Share of Retail Sales



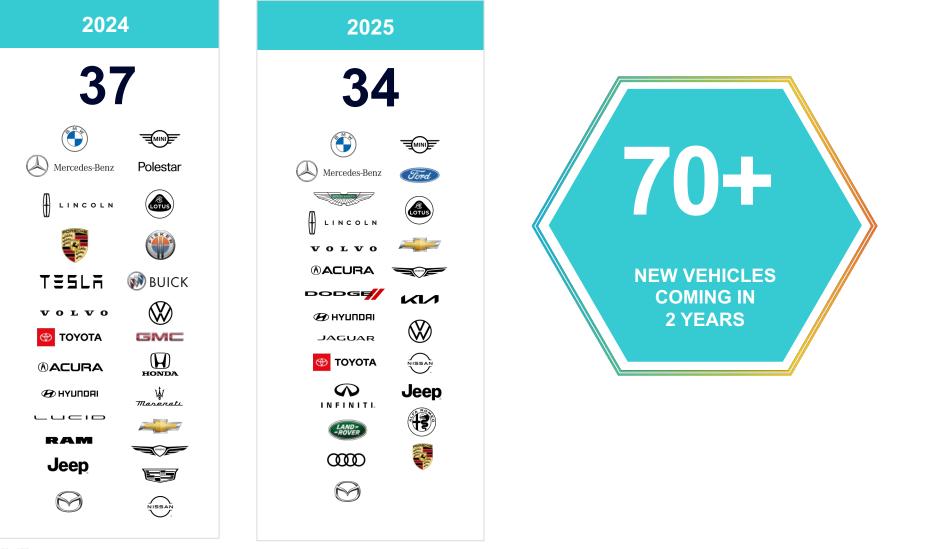


POWERTRAIN SHARE ESTIMATES | 24% in 2024

Role of alternatives rising and will accelerate in coming years.



EV STAMPEDE | More Models, More Choice, More Sales





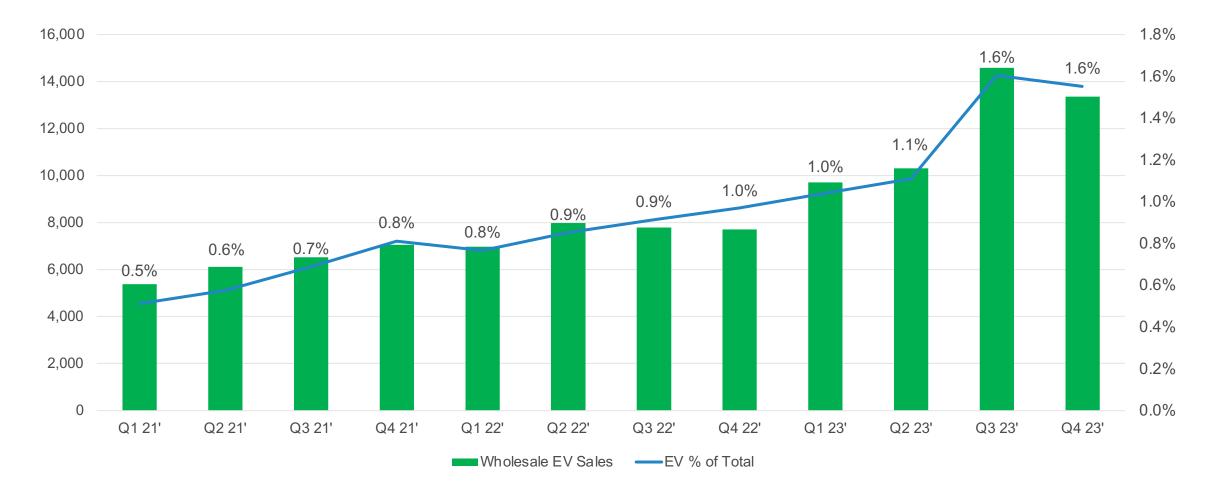
JEREMY ROBB

Senior Director, Economic and Industry Insights



EVs AT AUCTION: | Increased Year Over Year at Manheim

Q4 EV transactions growth climbed, +73% year over year though unit sales were down against prior quarter



MANHEIM USED VEHICLE VALUE INDEX /

Concept

A single measure of used vehicle price change that is independent of underlying segment shifts in the characteristics of vehicles being sold

Steps

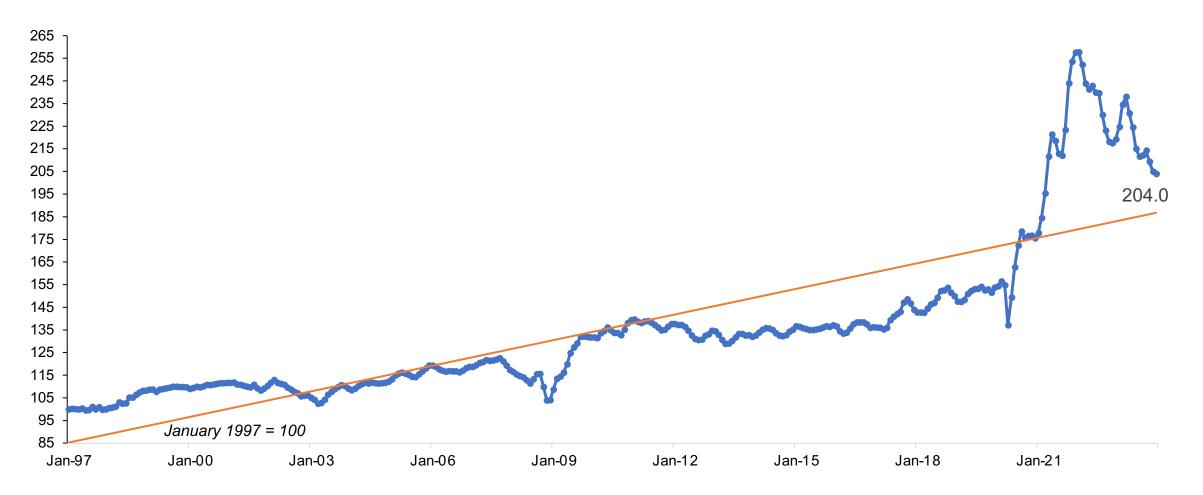
- 1. All Manheim U.S. sales
- 2. Classify by market segment
- 3. Account for differences in mileage
- 4. Weight to provide smoother segment mix
- 5. Seasonally adjust

COX AUTOMOTIVE

AVAN BISM

WHOLESALE VALUE | Down in December and Year Over Year

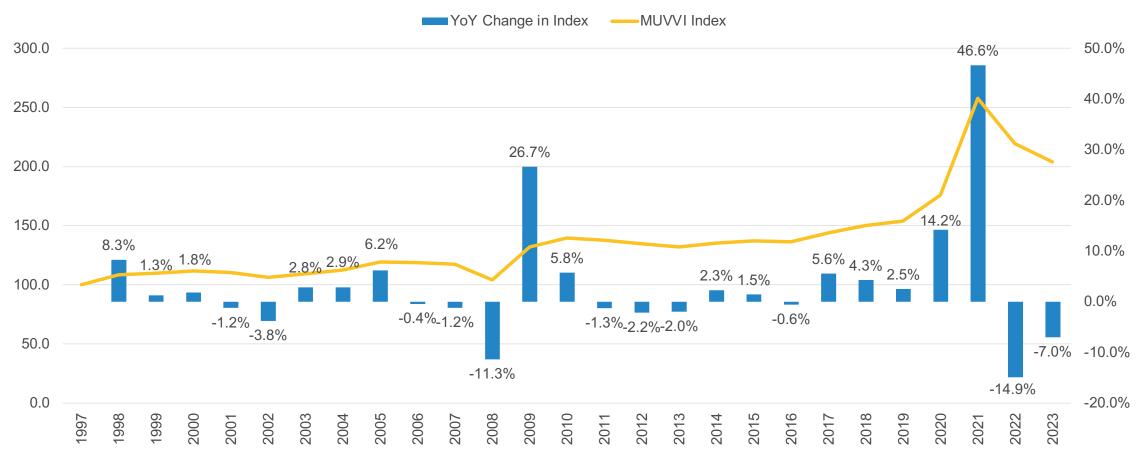
Prices declined 0.5% from November and were down 7.0% from December 2022



THE MUVVI INDEX | A Natural Upward Bias

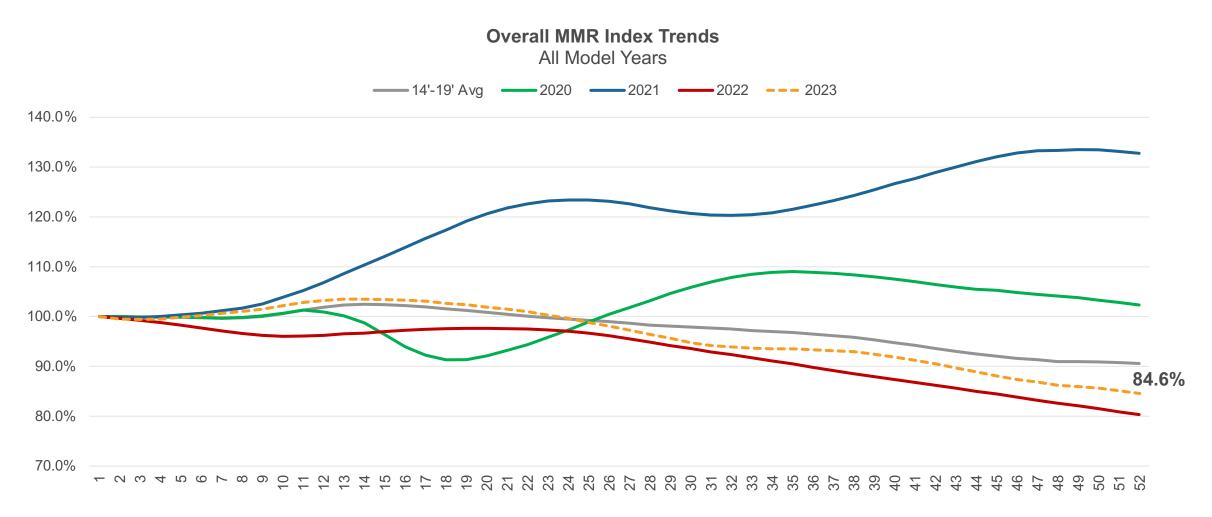
MUVVI values typically rise by 2.3% each year on the index, as higher price units enter the sample

Historical MUVVI Index at Year End



MMR VALUE TRENDS | Indications of Normalization

Depreciation trends were a bit stronger for most of Q4, with the overall index ending at 84.6%



COX AUTOMOTIVE

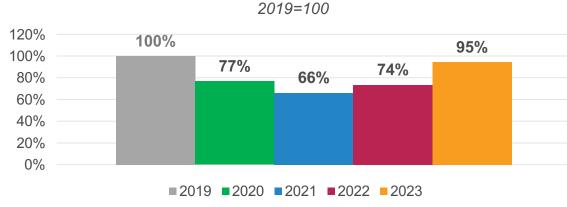
37



AUCTION CHECK-INS | Off-Lease Volume Remains Low

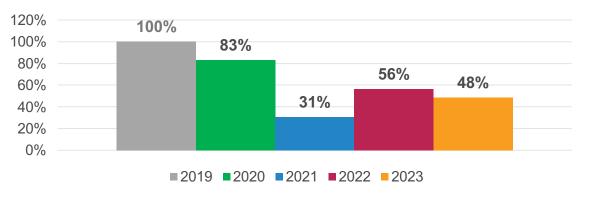
100%

Repo & lease check-in rates continue to rise, but a long road to normal for off-lease

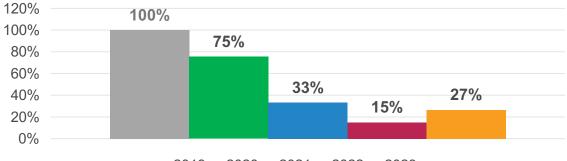


Repo Check-In Index







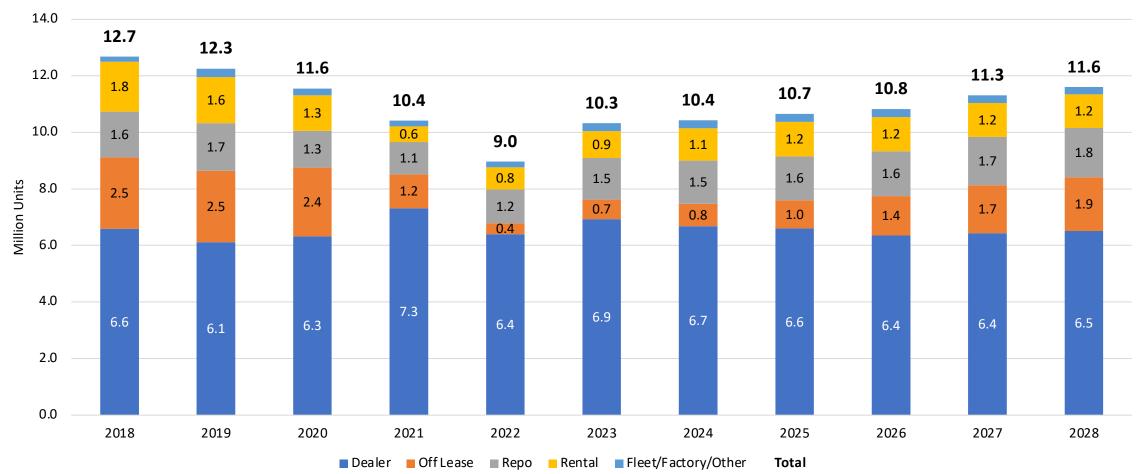


■2019 ■2020 ■2021 ■2022 ■2023

- Repo +29% vs 22' but down (5%) vs 19'
- Lease +76% vs 22' yet down (73%) vs 19'
- \succ Rental down (14%) vs 22' and down (52%) vs 19'

WHOLESALE FLOW | Steady Rise After Hitting Low in 2022

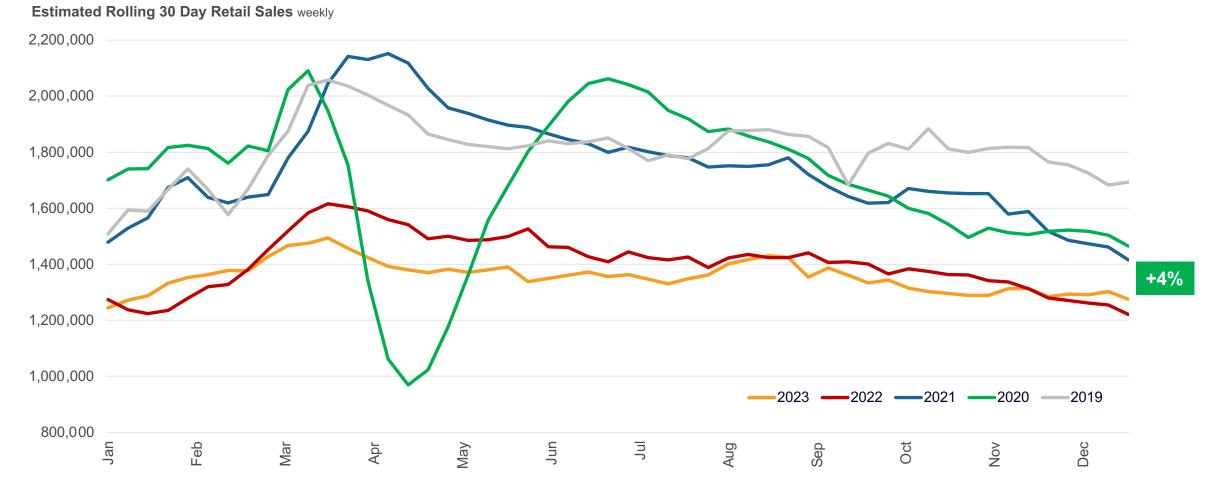
After 13% decline in 2022, wholesale market should see gradual recovery to 2020 levels by 2028



Estimated Wholesale Volumes by Inflow Channel (Annual Volume)

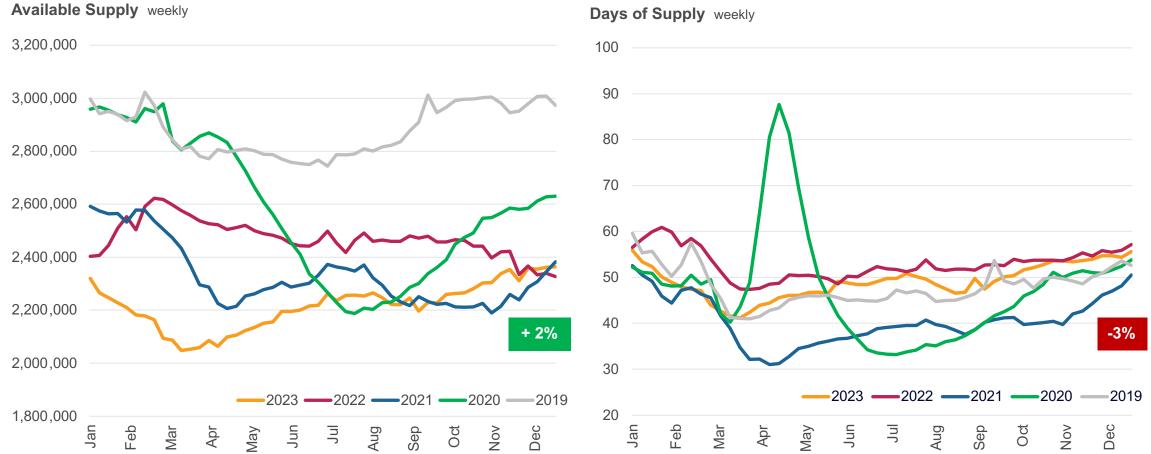
RETAIL USED SALES | Constrained Market, Down in 2023

Weekly sales estimates declined at the end of December, up 4% Y/Y for Week 52; YTD -3%



RETAIL USED INVENTORY | Steady Improvement Since Spring

Total supply up 2% or 37K from last year; Days' supply at 56, down 3% from the end of 2022

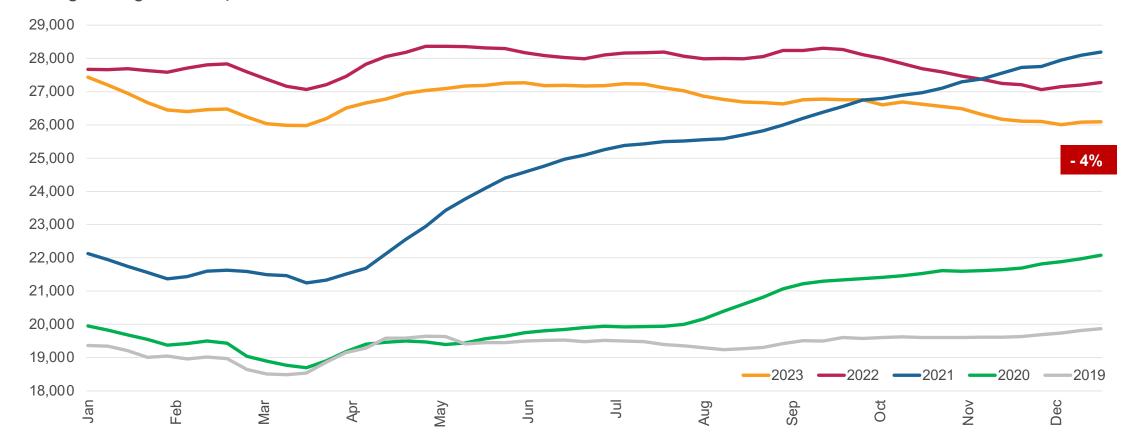


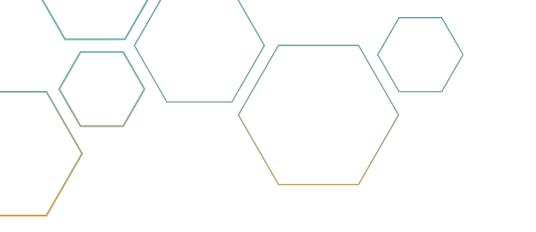
Days of Supply weekly

RETAIL USED PRICES | Downward Price Pressure Continues

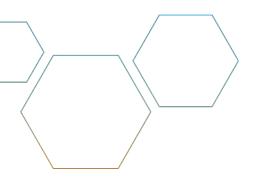
Listing price held lower than 2022 all year and was flat in December

Average Listing Price weekly





2024 FORECASTS & PLAYLIST



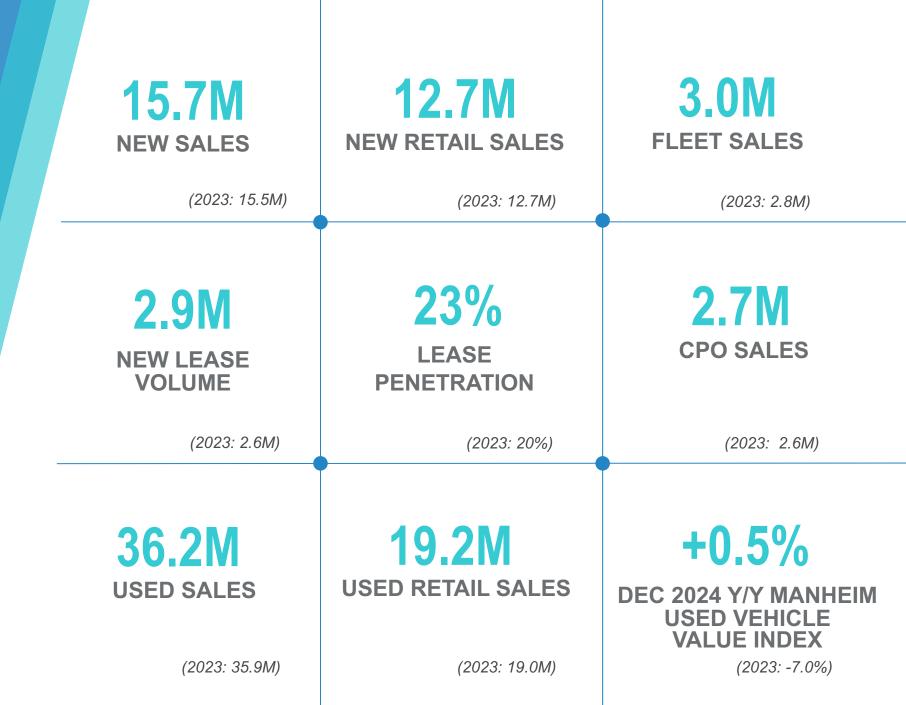
JONATHAN SMOKE

Chief Economist

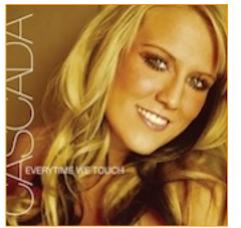




2024 FORECASTS *Jan. 8, 2024*



2024 PLAYLIST



Everytime We Touch By Cascada

Slow Growth Ahead



CONTAINS ORIGINAL, X-PRESS 2 REMIX

The Weapon of Choice By Fatboy Slim

Vehicle Supply Is Back to Favoring Consumers



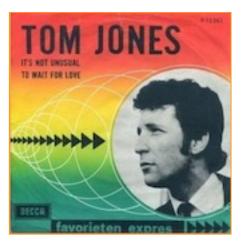
The Pursuit of Happiness (Steve Aoki Remix) By Kid Cudi

Bid Farewell to the Seller's Market

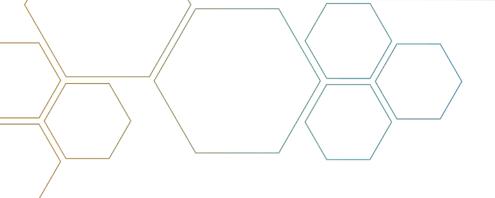


Gonna Make You Sweat (Everybody Dance Now) By C+C Music Factory

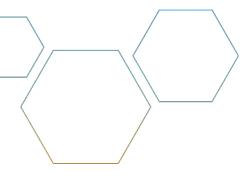
Year of More



It's Not Unusual By Tom Jones Normal Is Nice



Q&A





MORE AUTO INDUSTRY DATA AND INSIGHTS FROM COX AUTOMOTIVE

The go-to source for insights based on the largest breadth of first-party data in the automotive ecosystem

Cox Automotive Newsroom: www.coxautoinc.com/newsroom/

Fresh content from Chief Economist Jonathan Smoke and the Industry Insights team is published regularly.

Auto Market Snapshot: www.coxautoinc.com/marketsnapshot

This dashboard is a one-stop dashboard for the most recent data points our team is tracking.

From the Newsroom: www.coxautoinc.com/signup

The Cox Automotive biweekly newsletter, published every other Tuesday, is a round-up of news from Cox Automotive and perspectives from its analysts and experts on topics dominating the automotive industry.







THANK YOU FOR ATTENDING!

Contact us with questions or to speak with an expert:

Dara Hailes

Senior Manager Cox Automotive Corporate Communications <u>dara.hailes@coxautoinc.com</u>

Mark Schirmer Director Cox Automotive Corporate Communications mark.schirmer@coxautoinc.com