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Paul Jannke



Principal, Lumber



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North American Lumber Markets

Are Duties And Tariffs Enough To Counter End-Use Market Stagnation

Paul Jannke

Farm Credit East Forest Products Outlook Webinar

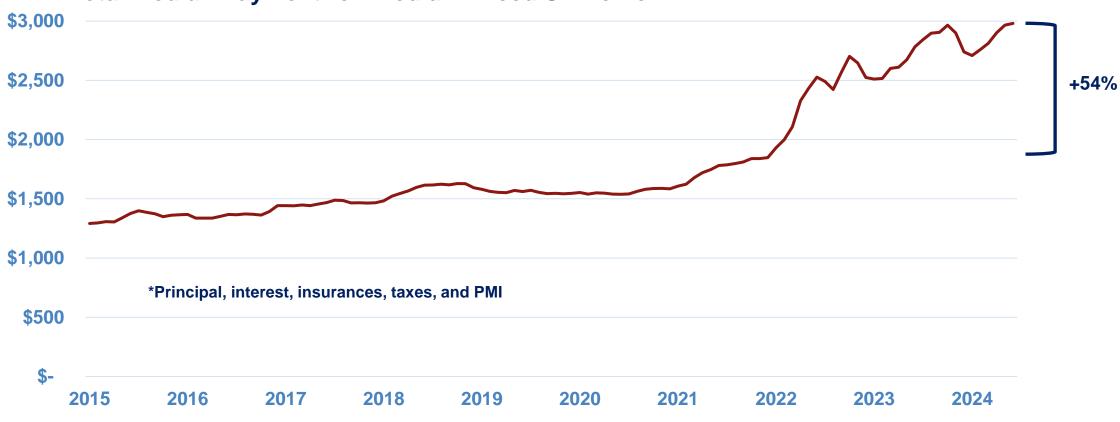
March 25th, 2025

orest Economic Advisors, LLC



Home Affordability Has Deteriorated Massively Since Early 2022



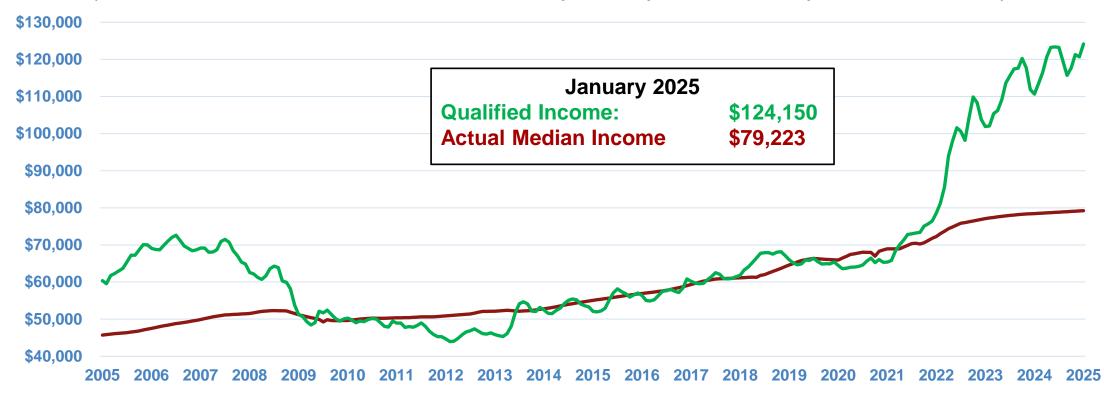


Source: Atlanta Fed's Home Ownership Affordability Monitor



Homeownership is a Stretch for Middle-Class Households

Gap Between Actual Median Household Income and Qualified Income
(Qualified Income = Income needed for annual homeownership cost to equal no more than 30 percent of annual income)

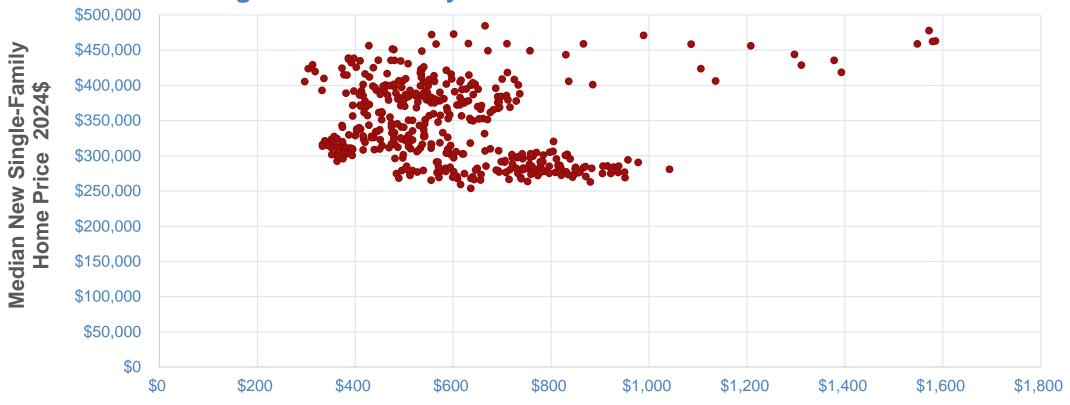


Source: Federal Reserve Bank of Atlanta



Wood Products Prices Are Not Causing The Lack Of Affordability: Lumber Prices Bear Little Relation to New Home Prices





Lumber Price: 2&Btr 2x4, Western SPF \$2024US/MBF (Lagged 3-Months)



Tariffs Decrease Affordability Less Than A 10 Basis Point Increase in Interest Rates

A 25% Increase in <u>All</u> Lumber and Panels Prices Would Add about \$23 to a Typical Mortgage Payment on a New Home

	U	End of Feb. 2025 Del. Price	Post- Tariff Del. Price	End of Feb 2025 Price w/ Markup	Post- Tariff Price w/ Markup	Cost at Feb 2025 Prices	Po	Cost at st-Tariff Prices	Change in Costs	% New Home Price*	Change in Monthly Payment**
Western SPF	13,974 BF	625	781	731	914	\$ 10,218	\$	12,773	\$ 2,555	0.6%	
OSB (7/16 Inch) Southen	10,522 Ft ²	400	500	452	565	\$ 4,756	\$	5,945	\$ 1,189	0.3%	
Plywood (15/32 inch) Southern Total	1,589 Ft ²	580	725	655	819	\$ 1,041 \$ 16,016		1,302 20,020	•	0.1% 1.0%	\$23.28

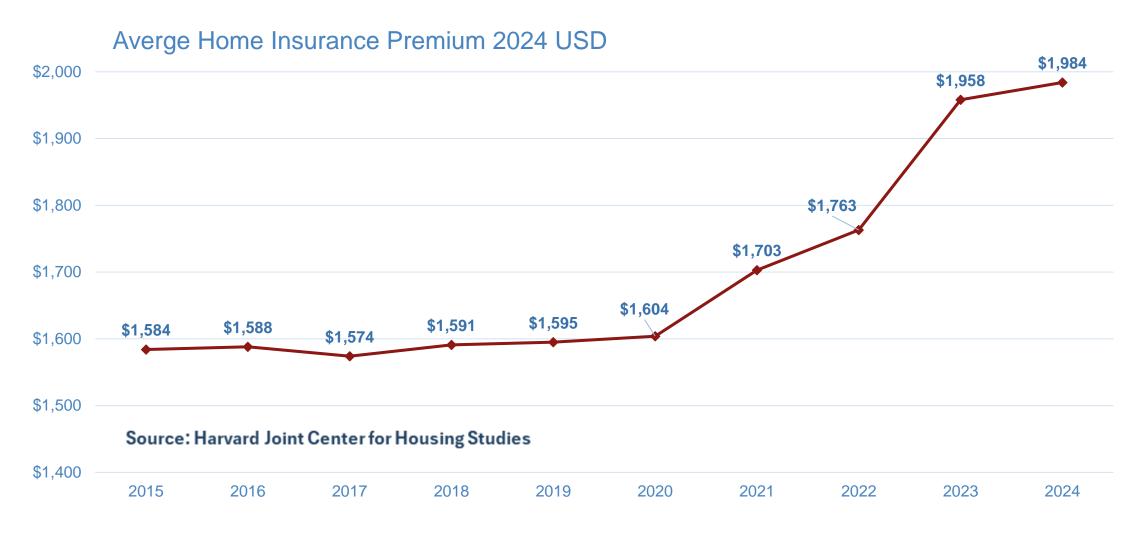
Source: FEA

^{*} Assuming new home is 2,410 square feet and costs \$420,000

^{**} Assuming 30-year term, 6.65% interest rate, and 10% downpayment

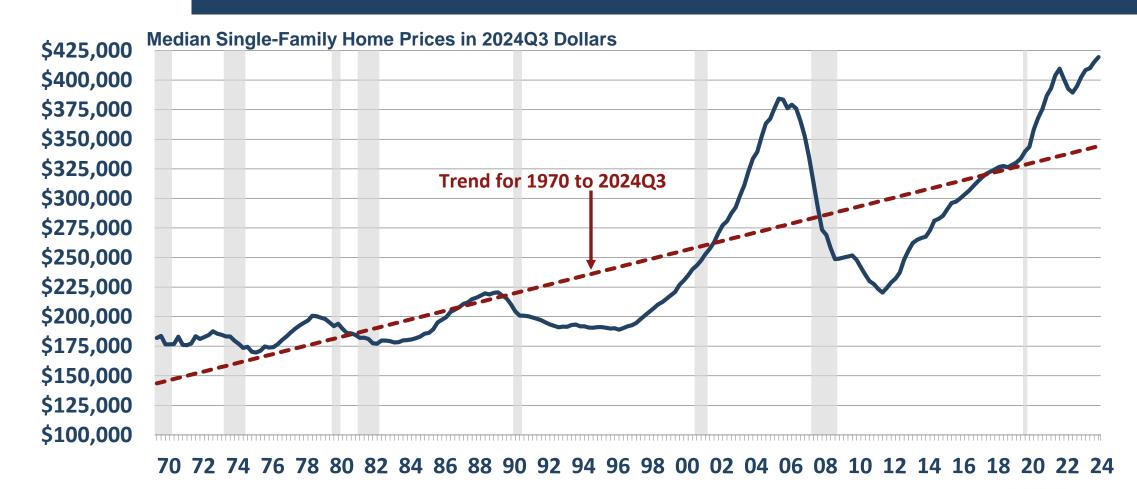


Home Insurance Premium Surged by 24% in Inflation-Adjusted Terms Between 2020 and 2024





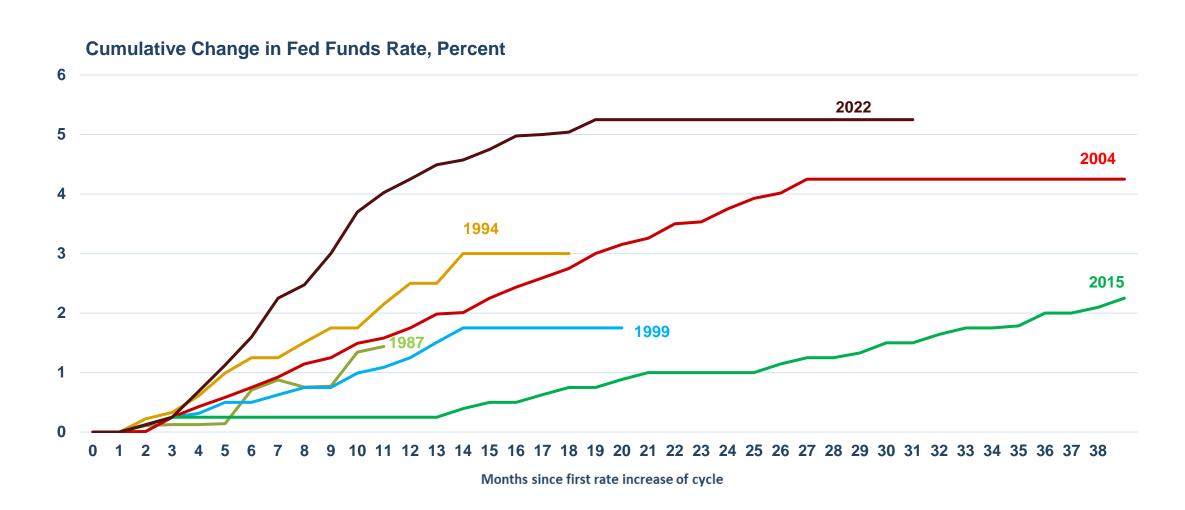
Real Home Prices Bounced Back in 2023



Source: Federal Reserve, FEA calculations

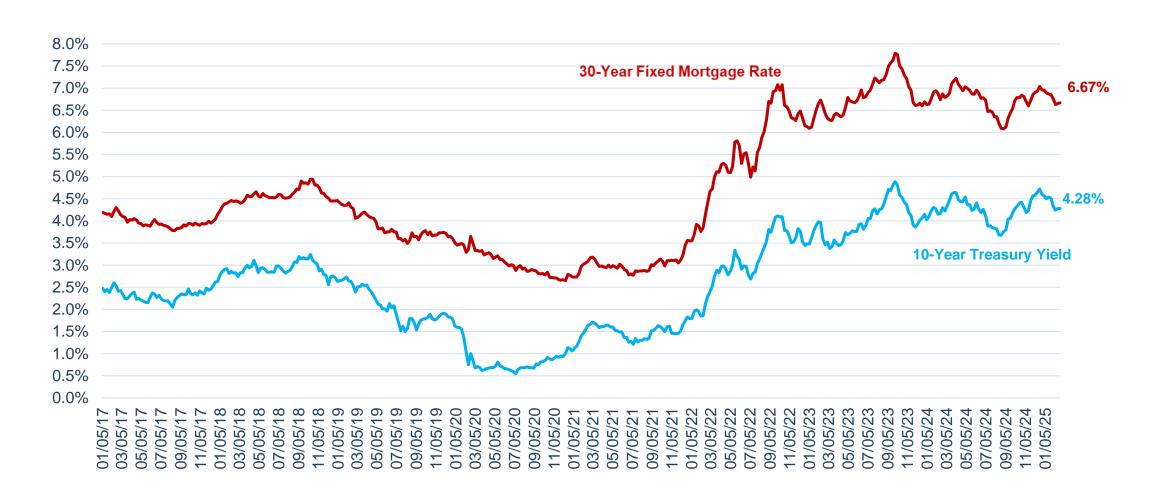


The Largest Component Of Declining Affordability Was Rising Interest Rates



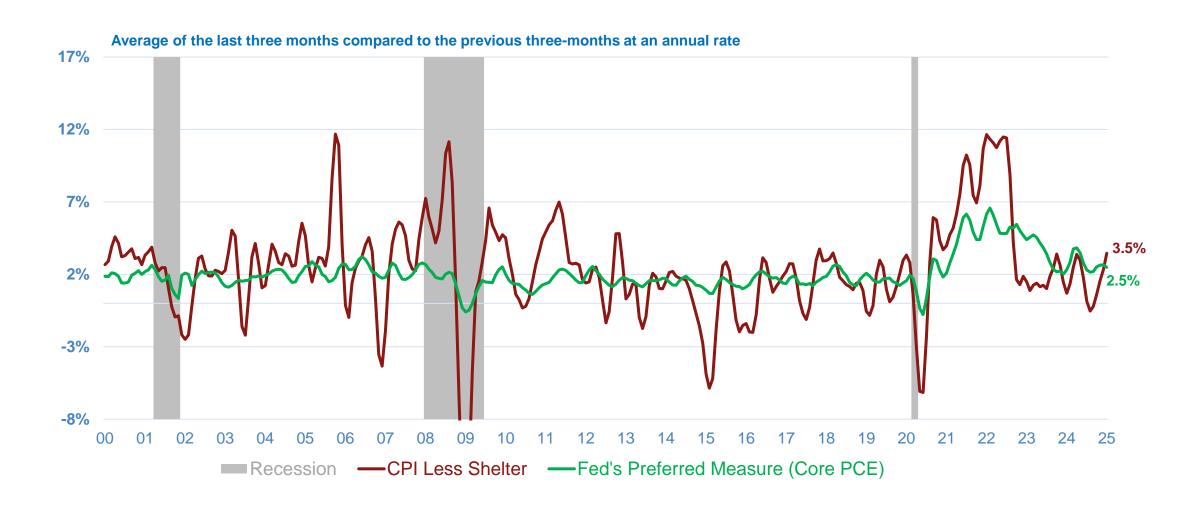


Hope For Lower Mortgage Rates Have Been Dashed



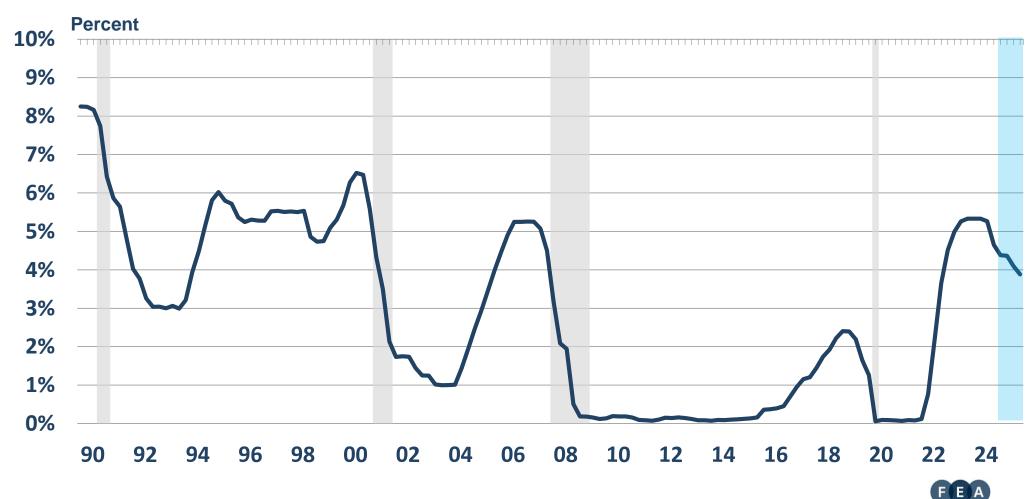


The Progress Against Inflation Has Stalled





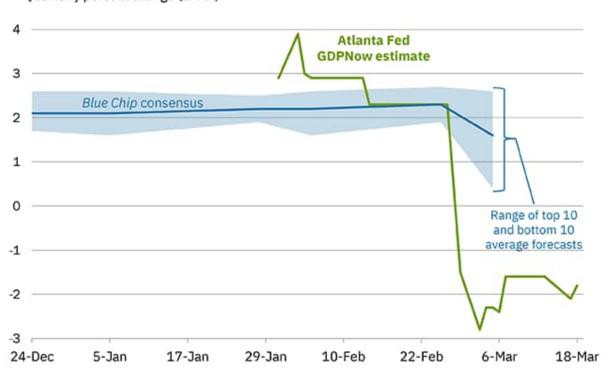
The Fed Will Pause Their Easing Cycle





The US Economy Is Doing Worse Than Most Analysts Think

Evolution of Atlanta Fed GDPNow real GDP estimate for 2025: Q1 Quarterly percent change (SAAR)



Date of forecast

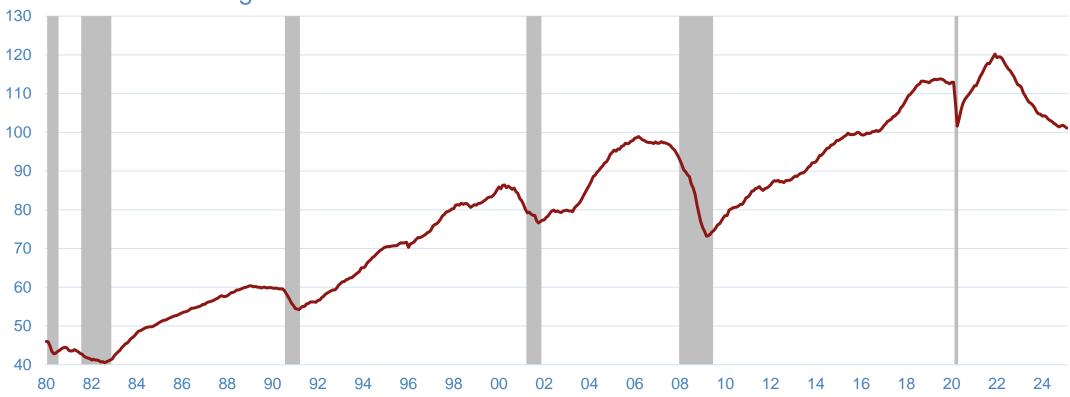
Sources: Blue Chip Economic Indicators and Blue Chip Financial Forecasts

Note: The top (bottom) 10 average forecast is an average of the highest (lowest) 10 forecasts in the Blue Chip survey.



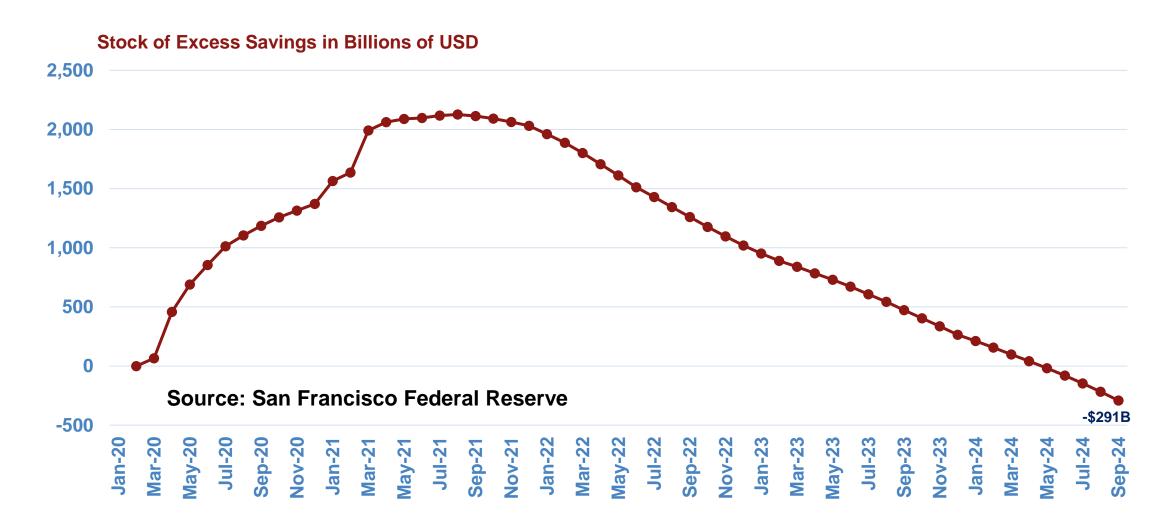
The Index of Leading Indicators Resumes Its Three-Year Downtrend





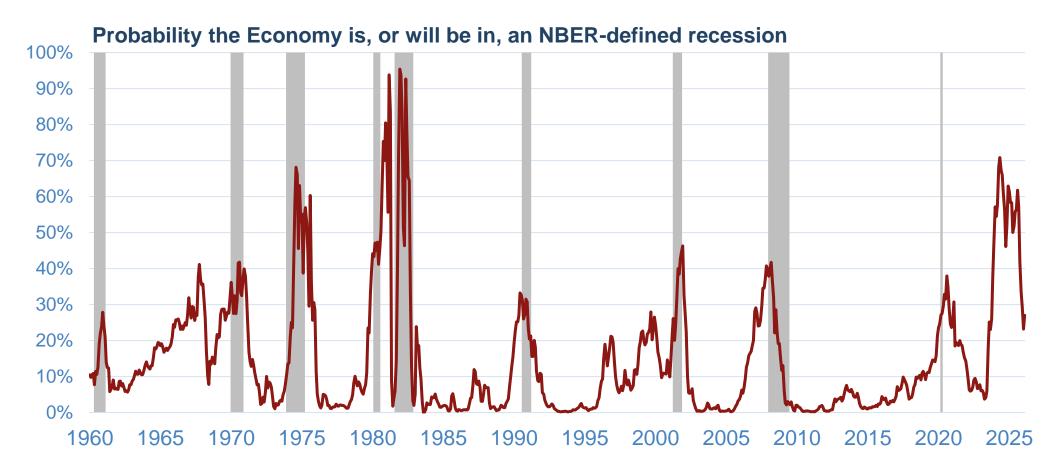


Excess Savings of US Households Have Dried up





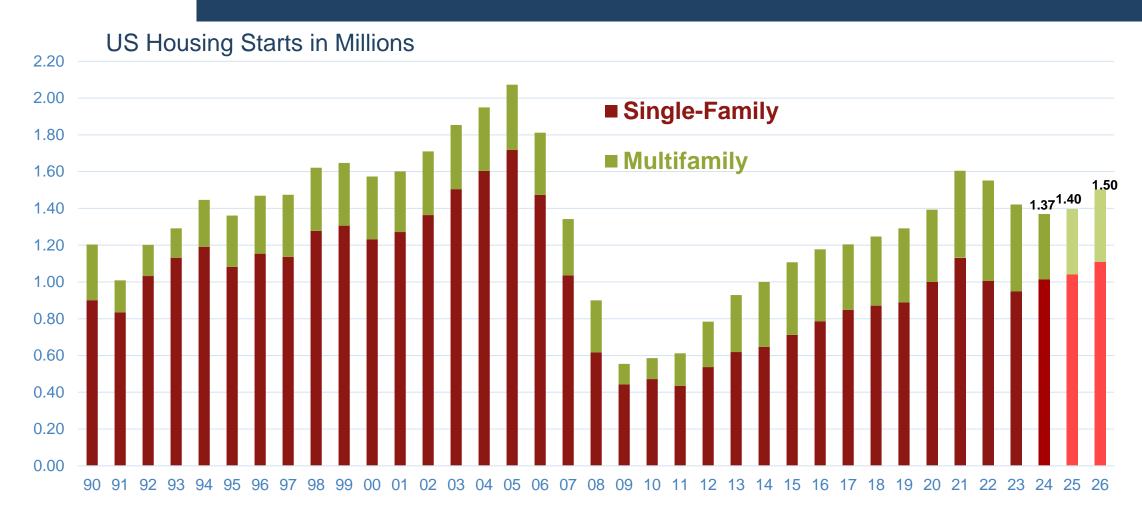
New York Fed Indicator Shows a 27% Chance of Recession Within Next Year



Source: New York Fed



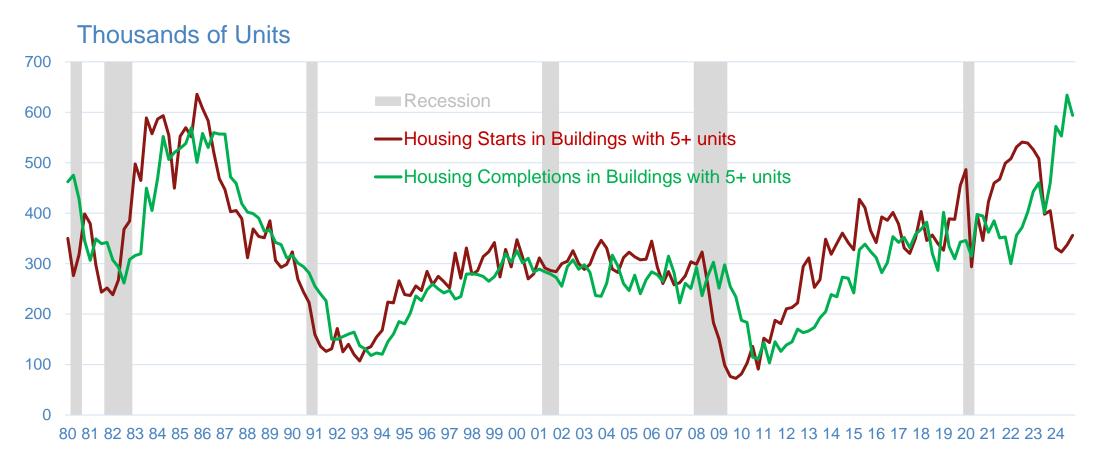
After Declines of 8% in 2023 and 4% in 2024 Housing Starts Projected to Tick Up by 1% in 2025



Source: Census Bureau, FEA Forecasts



US Apartment Starts are Tanking as Completions Come On Line

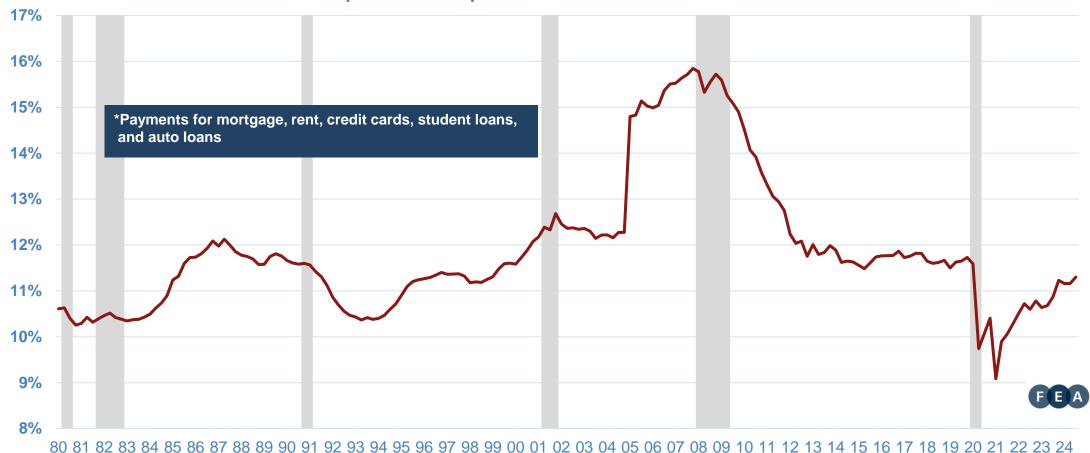


Source: US Census Bureau



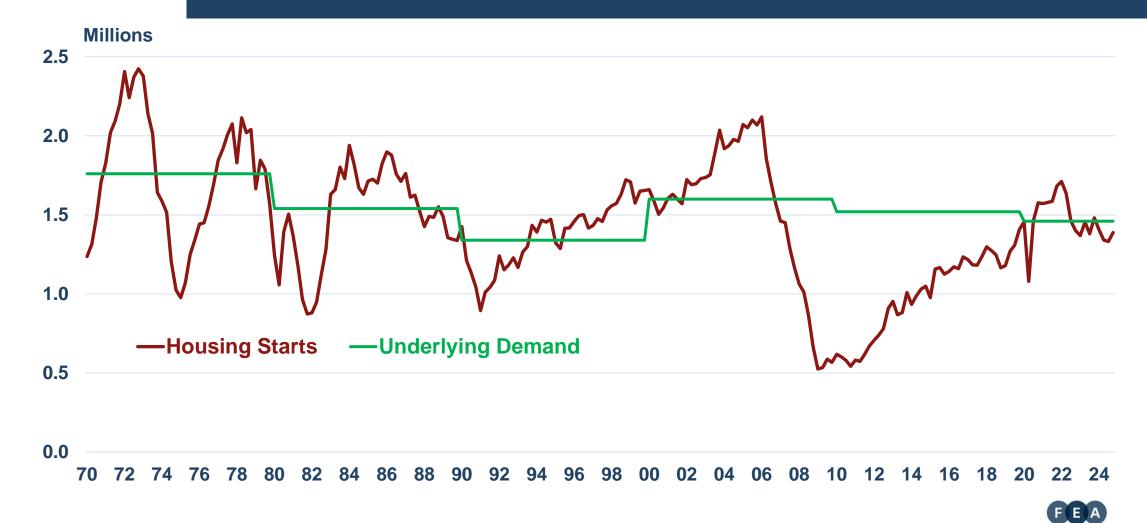
US Household Balance Sheets Are In Good Shape

Household Debt Service* as a percent of Disposable Personal Income



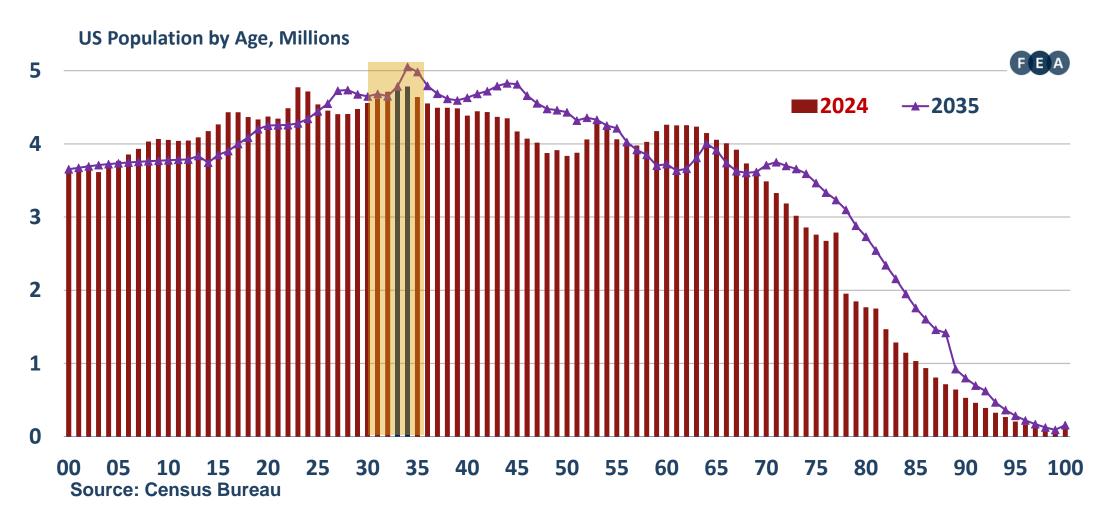


US Housing Starts Exceeded Underlying Demand for Fleeting Moment



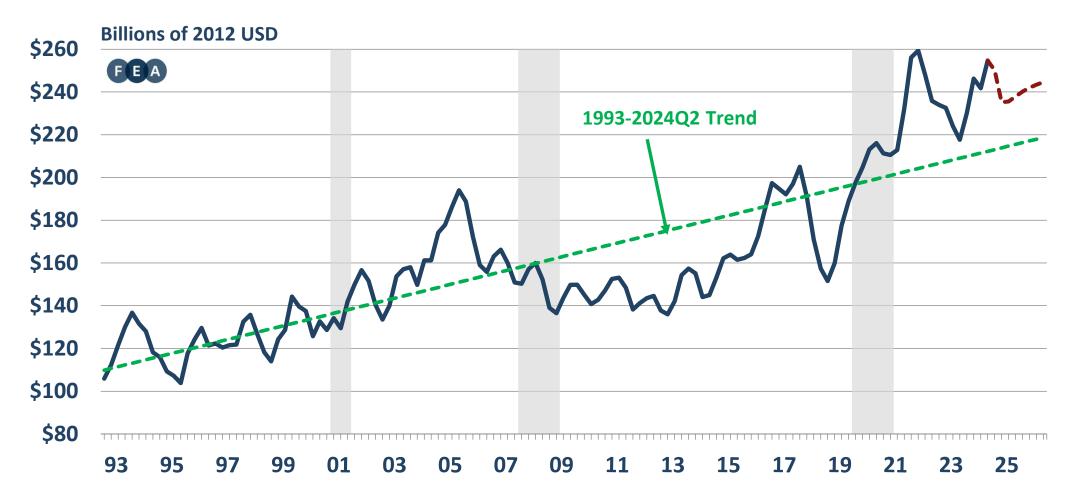


2024 – Strong Demographic TAILWIND 2035 = A Modest Tailwind





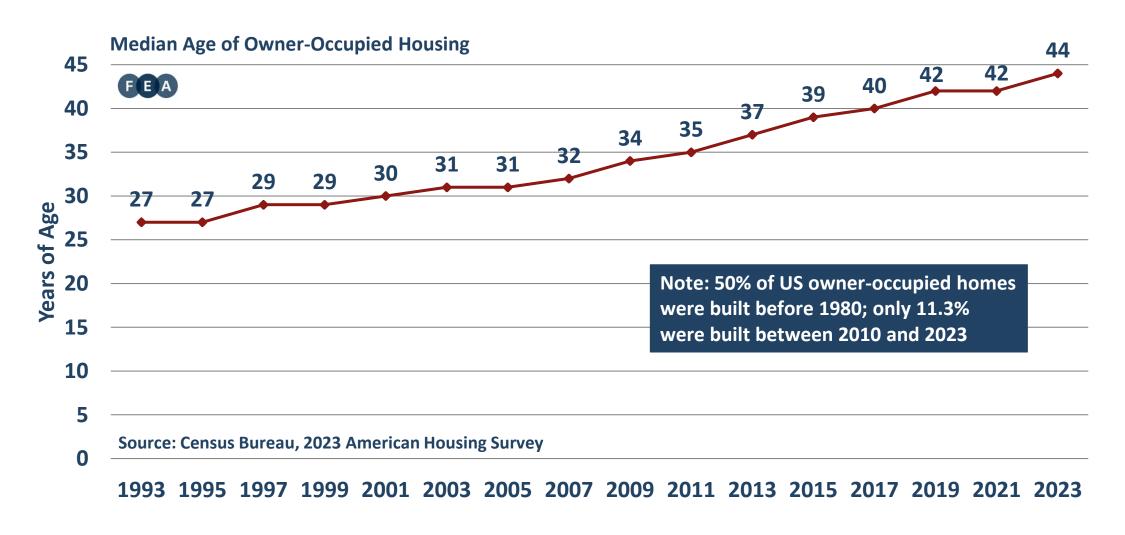
Improvement Expenditures Will Decline But Remain Elevated



Source: Census Bureau, Bureau of Economic Analysis, FEA calculations



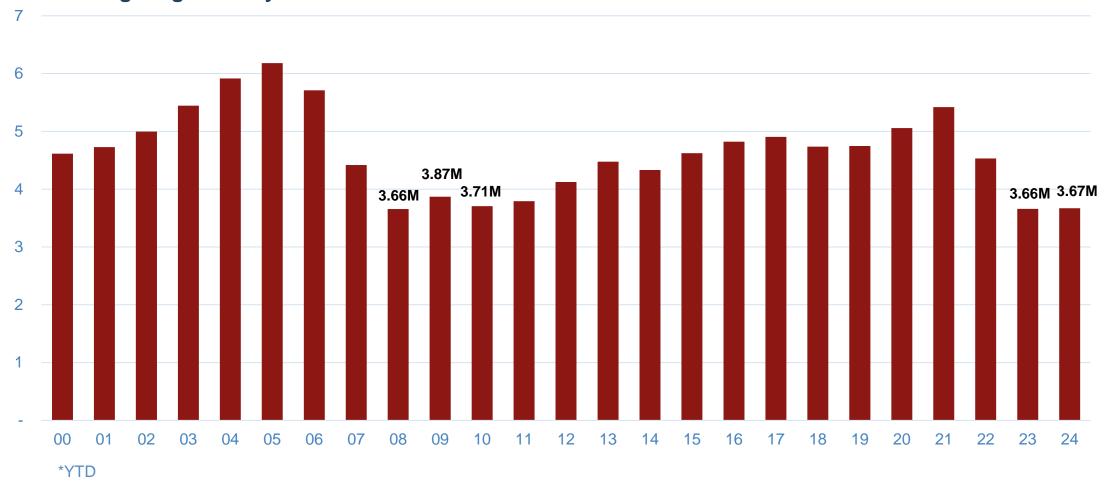
The US Housing Stock Has Aged Considerably





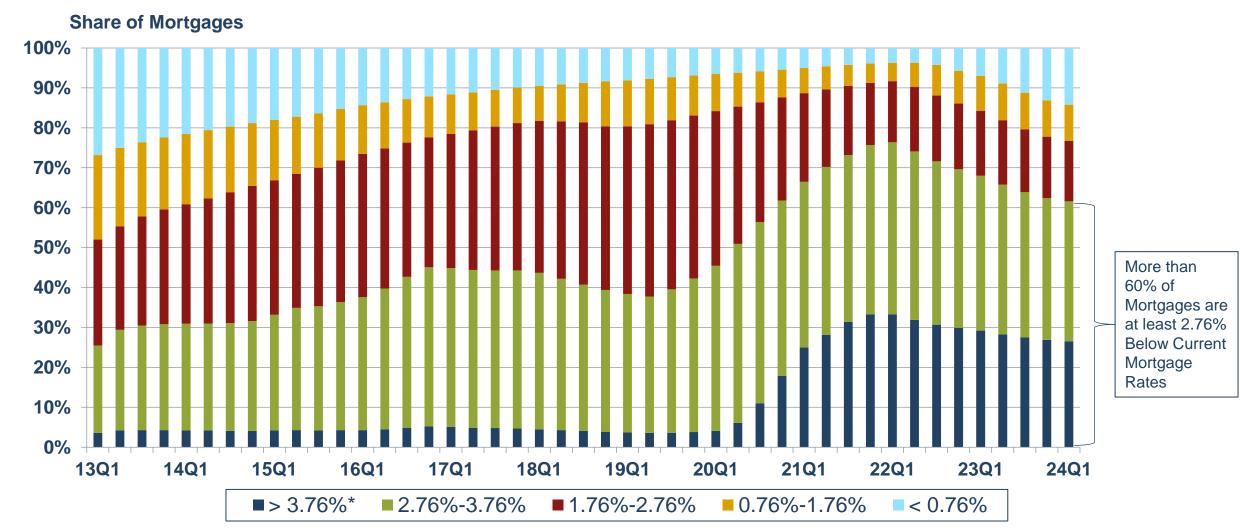
Existing Single-Family Home Sales Were Close to Great Recession Levels in 2023 and Remain There in 2024

Existing Single-Family Home Sales in Millions





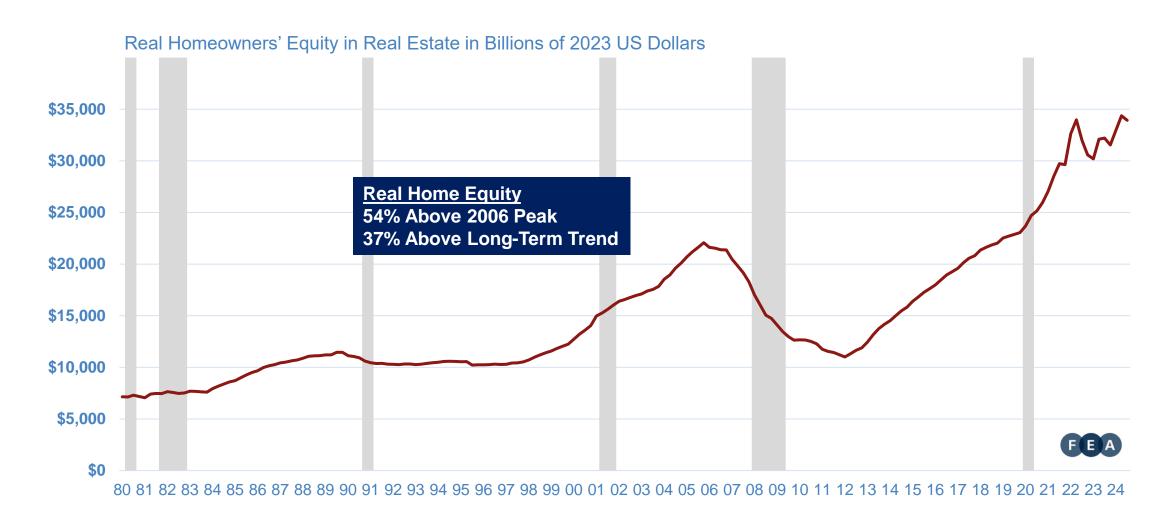
Rising Mortgage Rates Are Causing Rate Lock



^{*}Difference of Existing Mortgages from Current Rates www.getfea.com

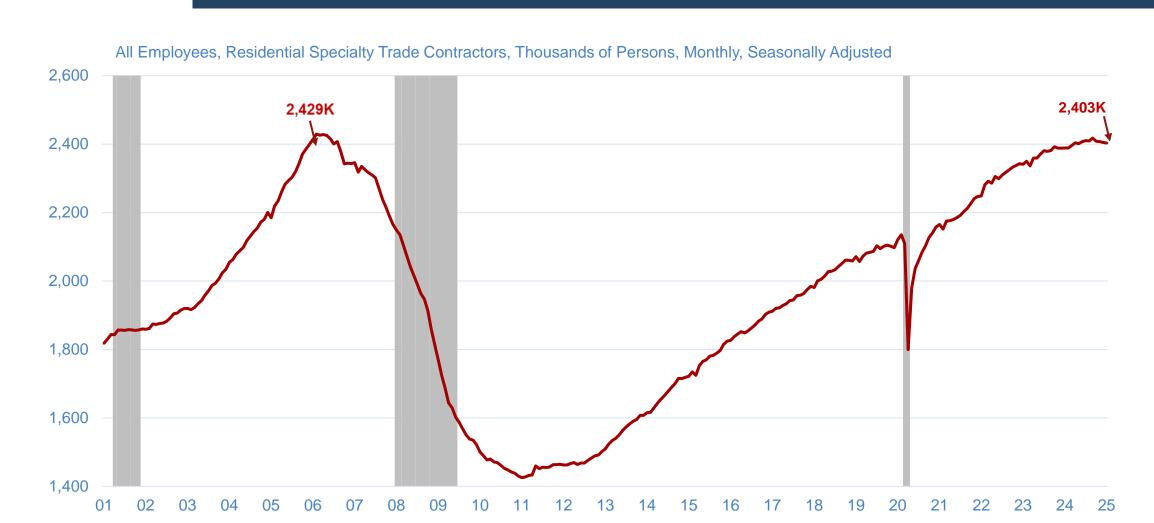


Swelling Home Equity and Lower Interest Rates Will Support Residential Improvements Spending in 2025-26





The Number of Specialty Trade Contractors is a Whisker Below 2006 Peak



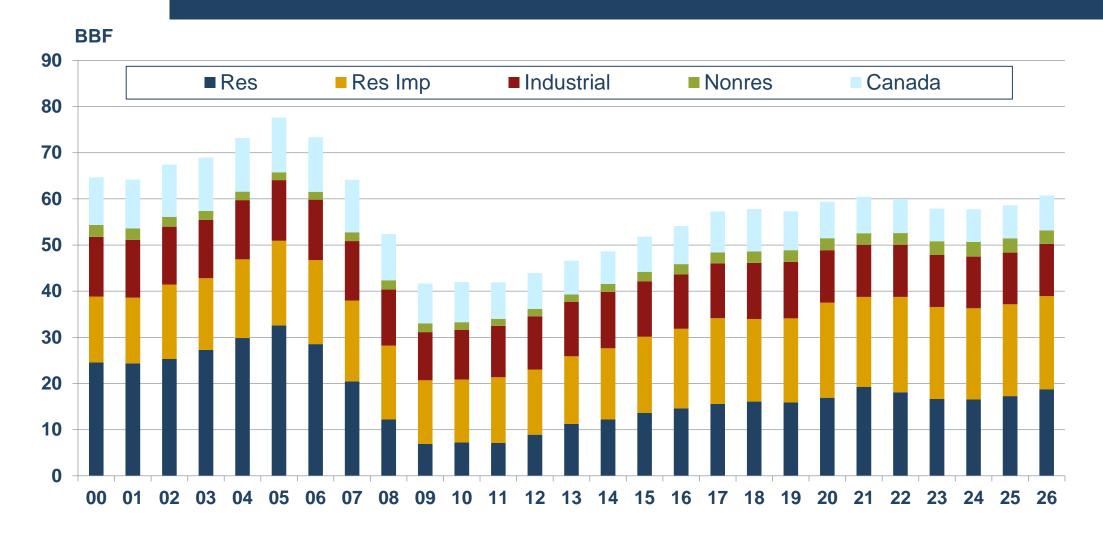


The Work From Home Trend Has Stuck



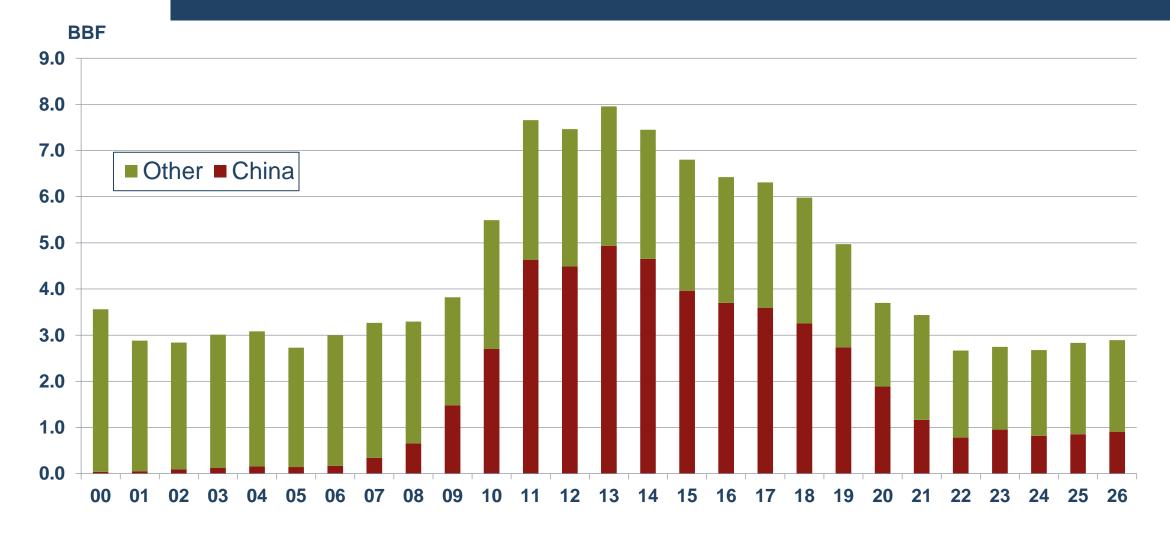


Lumber Consumption Will See Little Growth Until 2026



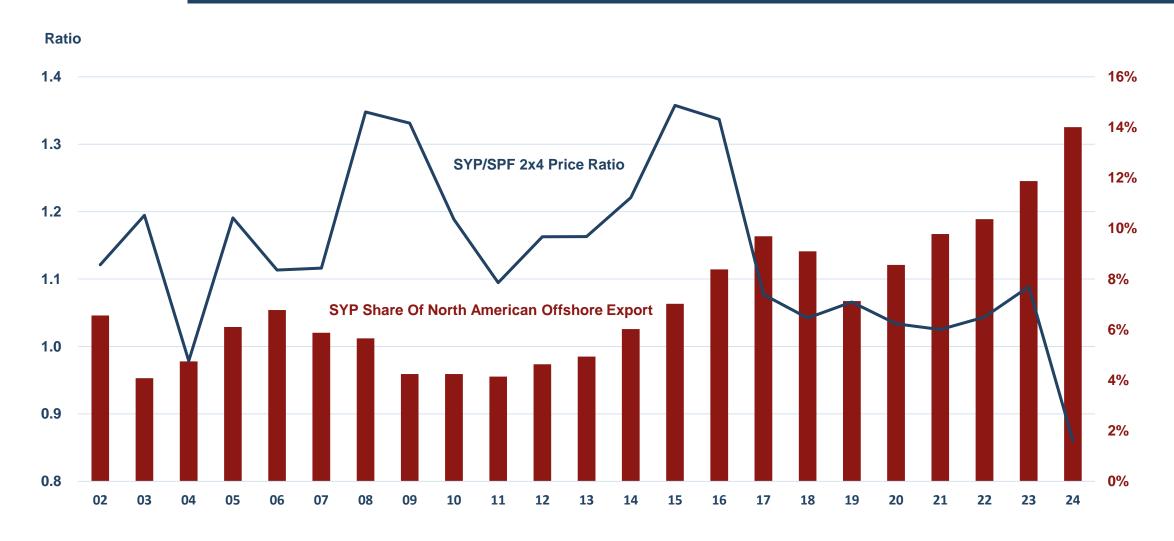


North American Lumber Exports Will Increase But Remain Weak



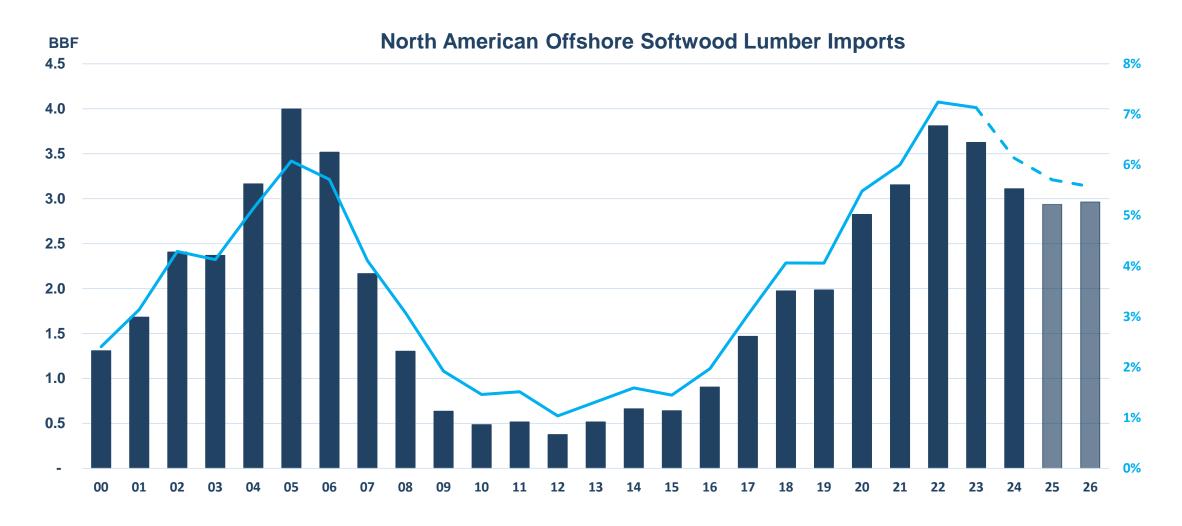


Exports Are Increasingly Being Driven By Southern Yellow Pine





Softwood Lumber Imports Will Fall, But Remain Elevated Relative To The Past Decade





Indefinite and Permanent Mill Closures

Company	Location	Region	Date	Capacity (MMBF)
Boise Cascade	Chapman, AL	US South	24-Jan	70
West Fraser	Maxville, FL	US South	24-Jan	105
West Fraser	Huttig, AR	US South	24-Jan	165
West Fraser	Fraser Lake, BC	вс	Q1 2024	160
Tolko	Lakeview, Williams Lake, BC	ВС	24-Feb	80
Rosboro	Springfield, OR	US West	24-Feb	230
Riverside Forest Products	Surrey, BC	ВС	24-Feb	100
Interfor	Philomath, OR	US West	24-Mar	220
Pyramid Mountain Lumber	Seely Lake, MT	US West	24-Mar	100
Neiman Enterprises	Spearfish, SD	Other	Apr-24	20
C&D Lumber Company	Riddle, OR	US West	May-24	100
Canfor	Bear Lake, BC	ВС	May-24	300
Canfor	Jackson, AL	US South	Jun-24	130
Weyerhaeuser	New Bern, NC	US South	Jul-24	100

Source: FEA



Indefinite and Permanent Mill Closures (Cont.)

Company	Location	Region	Date	Capacity (MMBF)
Stimson	Plummer, ID	US West	Aug-24	35
Western Cascades Industries	Toledo, OR	US West	Aug-24	55
Malheur Lumber	John Day, OR	US West	Sep-24	45
Interfor	Meldrim, GA	US South	Q3 2024	200
Interfor	Summerville, SC	US South	Q3 2024	130
Georgia Pacific	Camden, TX	US South	Q3 2024	173
Georgia Pacific	Prosperity, SC	US South	Q3 2024	125
Canfor	Darlington, SC	US South	Q3 2024	60
Canfor	Fort St. John, BC	ВС	Q3 2024	210
Canfor	Plateau, BC	ВС	Q3 2024	460
West Fraser	Lake Butler	US South	Q4 2024	110
Hancock Lumber	West Ossipee, NH	US Other	Oct-24	20
Lynx Equity	Everett, WA	US West	Q4 2024	35
Teal Jones	Martinsville, VA	US South	Dec-24	145
Midway Lumber Mills	Thessalon, ON	Canada, EOR	Dec-24	18

Source: FEA



Temporary Curtailments

Company	Location	Region	Date	Capacity (MMBF)
Tolko	Vernon, BC	ВС	12/4/2023-1/31/2024	35
Western Forest Products	Chemainus, BC	ВС	12/23/2023-1/06/2024	1
Rosboro	Springfield, OR	US West	2/5/2024	230
Dunkley	Strathnaver, BC	ВС	1/29/2024	245
San Group	Port Alberni, BC	BC	2/2024	
Teal Jones	Surrey, BC	ВС	2/2024	
Interfor	ВС	US West	Q1 2024	30
Western Forest Products	Chemainus, BC	ВС	3/18-3/31/2024	1
Vaagen Brothers	Washington	US West		25
San Group	Delta, BC	ВС	4/7/2024	
Interfor	All		5/2024-9/2024	175
Aspen Planers	Merritt, BC	ВС	5-?/2024	
Conifex	Mackenzie, BC	ВС	6/17-6/30/2024	8.5
Canfor	Fort St. John, BC	ВС	6/28-7/15/2024	9

Source: FEA www.getfea.com

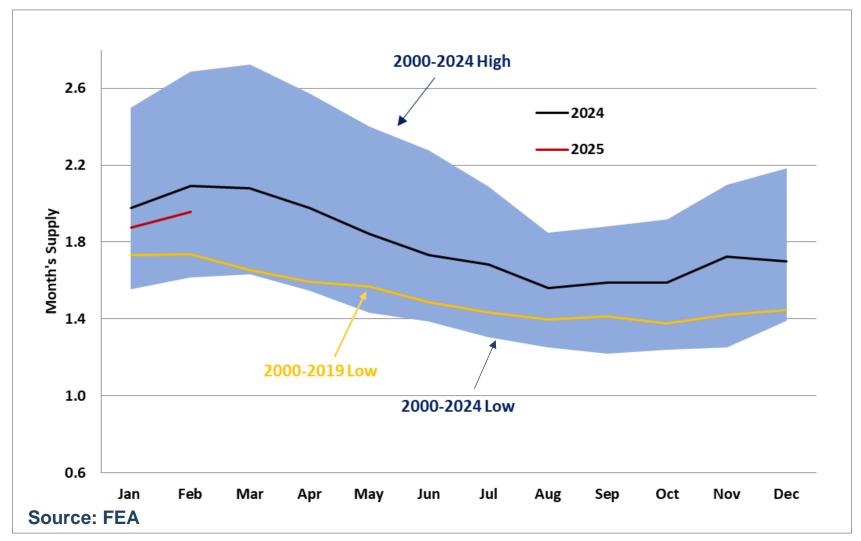


Temporary Curtailments (Cont.)

Company	Location	Region	Date	Capacity (MMBF)
Canfor	Fort St. John, BC	BC	8/26-9/6/2024	8
Arbec	L'Ascension, QC	Canada, EOR	6/17-7/12/2024	10
Hampton Affiliates	Fort St. John, BC	ВС	7/29-9/2/2024	29.8
Interfor	All		8/2024-12/2024	280-350
Conifex	Mackenzie, BC	BC	8/26/2024	
Canfor	Estill, SC	US South	9/24/2024	88
Canfor	Moultrie, GA	US South	9/24/2024	67
Tolko	Armstrong, BC	BC	9/16-10/12	9
Tolko	Williams Lake, BC	BC	9/30-10/30	15
Western	BC	BC	Q424	30
San Group	Port Alberni	ВС	10/16-Nov 24	
Domtar	Quebec	Canada, EOR	10/17-Mar-25	94
West Fraser	Quesnel, BC	BC	12/16-12/31	
Domtar	Maniwaki, QU	Canada, EOR	12/20-6/20/25	94

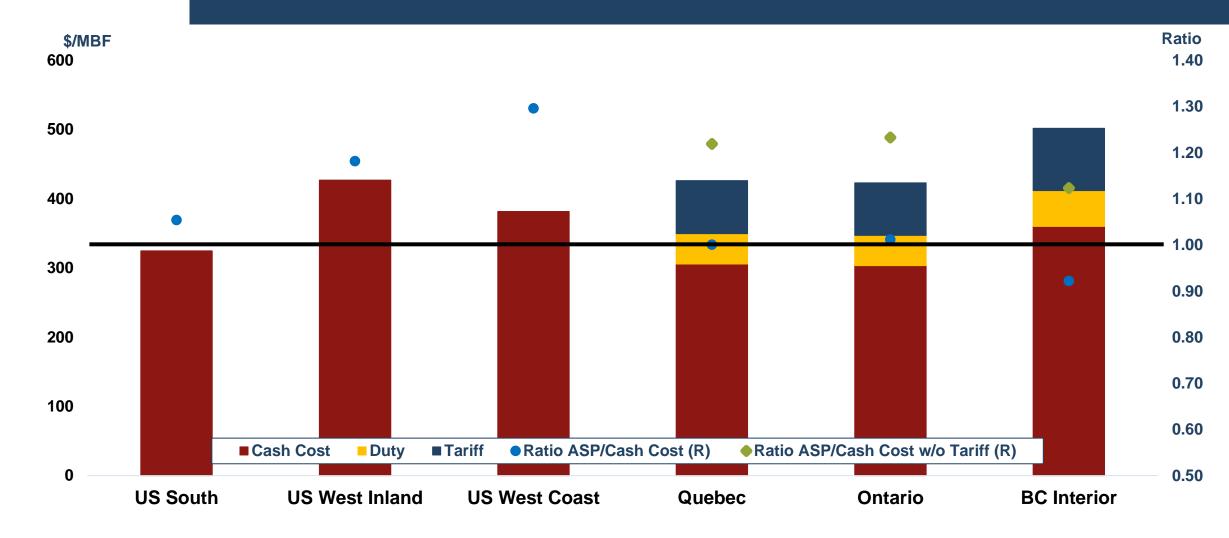


Inventories Are Rising North American Inventory/Consumption Ratio & Range





Prices Have Risen Across All Regions





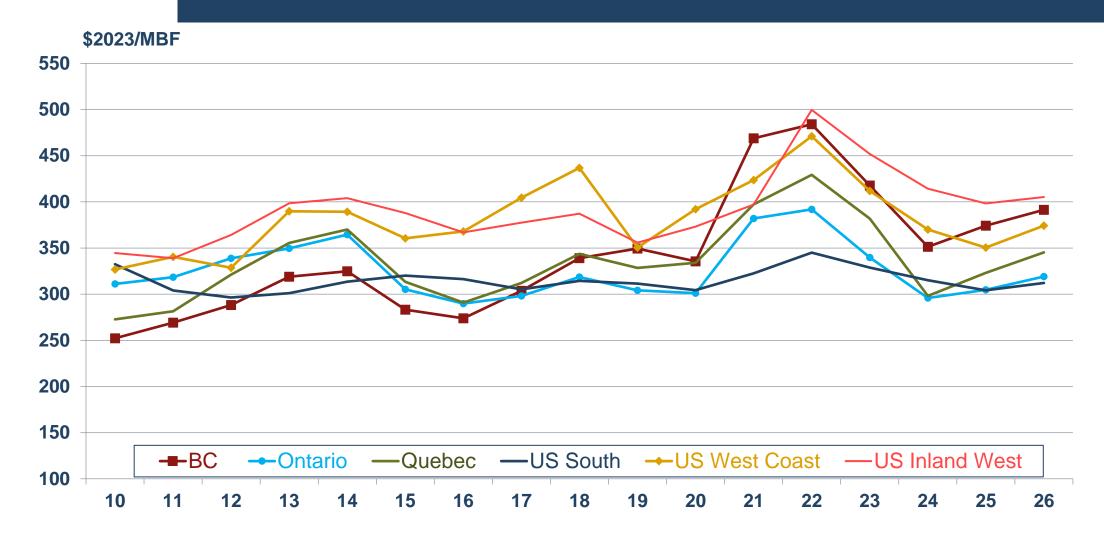
SPF Prices Will Edge Higher in 2025 Before Seeing More Sustained Growth in 2026







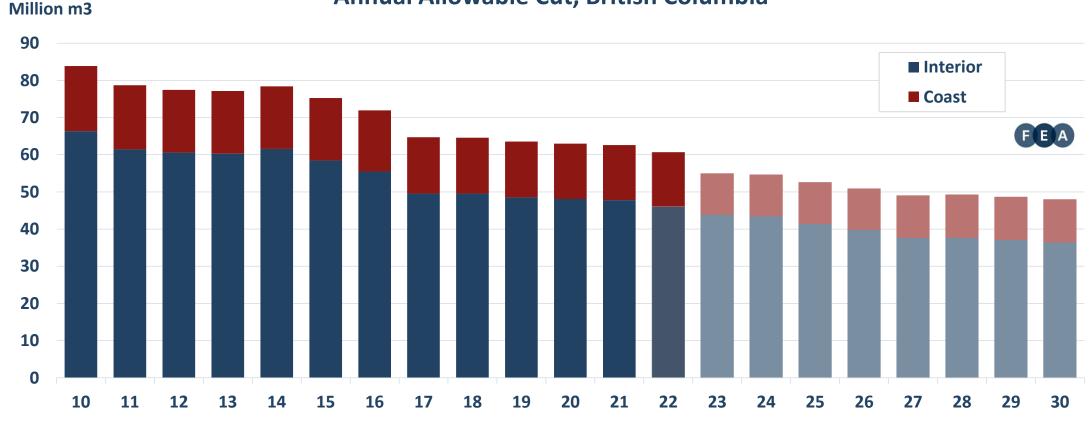
Western Lumber Production Cost Remain Elevated Relative To The East





Multiple Factors Will Constrain Timber Harvest and Lumber Production in British Columbia

Annual Allowable Cut, British Columbia

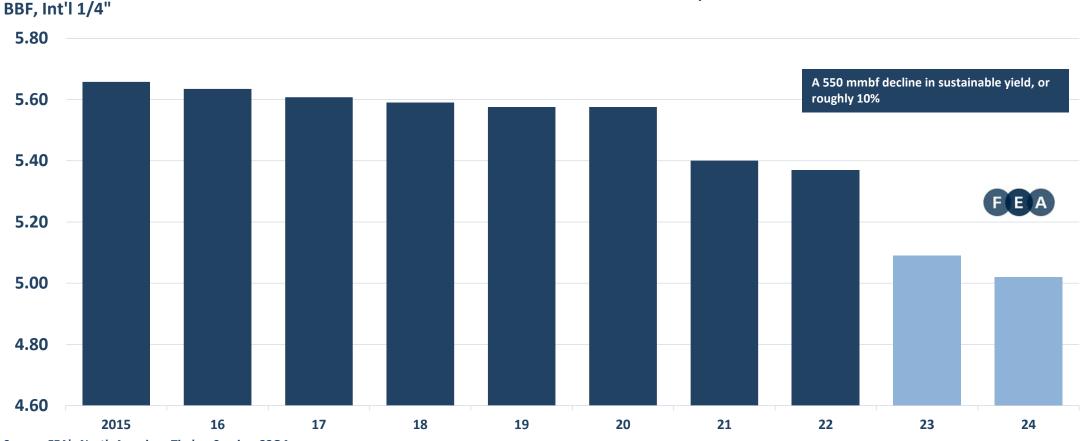


Source: BC Ministry of Forests, Land, Natural Resource Operations and Rural Development, FEA



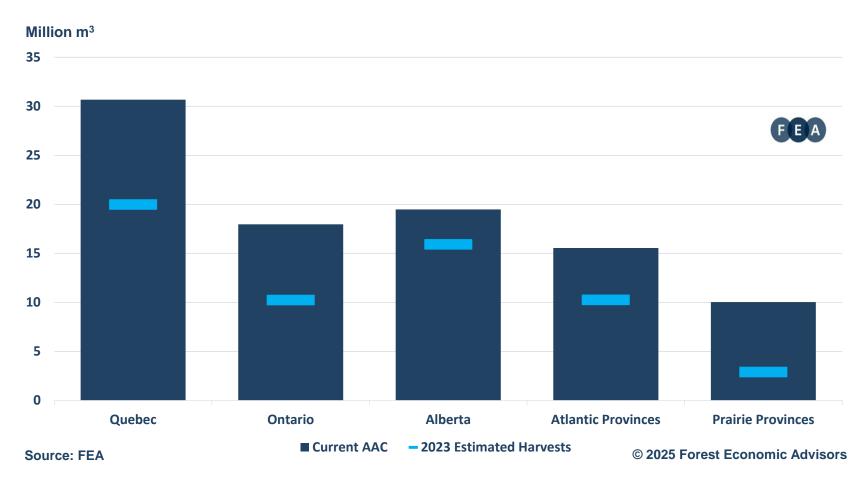
The Outlook for Available Log Supply in the US West Coast Continues to Erode

Private Softwood Sawtimber Sustainable Yield, US West Coast





Opportunities to Increase Harvest Levels in Eastern Canada Will Be Increasingly Limited





The Softwood Sawtimber Supply Conditions in the US South Is Much Different





Oh Brave New World,

AR5 Final Determination

		Combined				
	Tariff	Α	ntidumping Coun	tervailing Du	uties	Total Import Tax
Canfor		25%	10.44%	6.14%	16.58%	41.58%
West Fraser		25%	5.04%	6.85%	11.89%	36.89%
J.D. Irving		25%	7.80%	3.88%	11.68%	36.68%
Tolko		25%	7.80%	9.61%	17.41%	42.41%
All Others		25%	7.66%	6.74%	14.40%	39.40%

AR4 "All Others" Rate: 8.05%

AR6 Estimates

	Tariff	Combir Duties	ned	Total Import Tax
Canfor	Tarri	25%	41%	
West Fraser		25%	16%	41%
All Others		25%	27%	52%

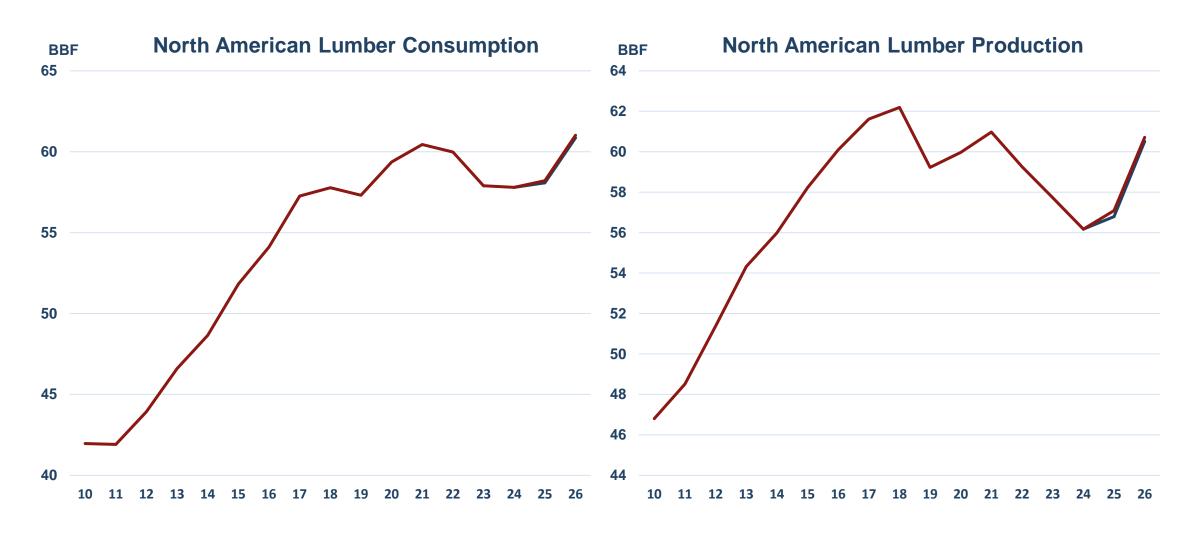


Higher Import Taxes Will Drive Prices Higher



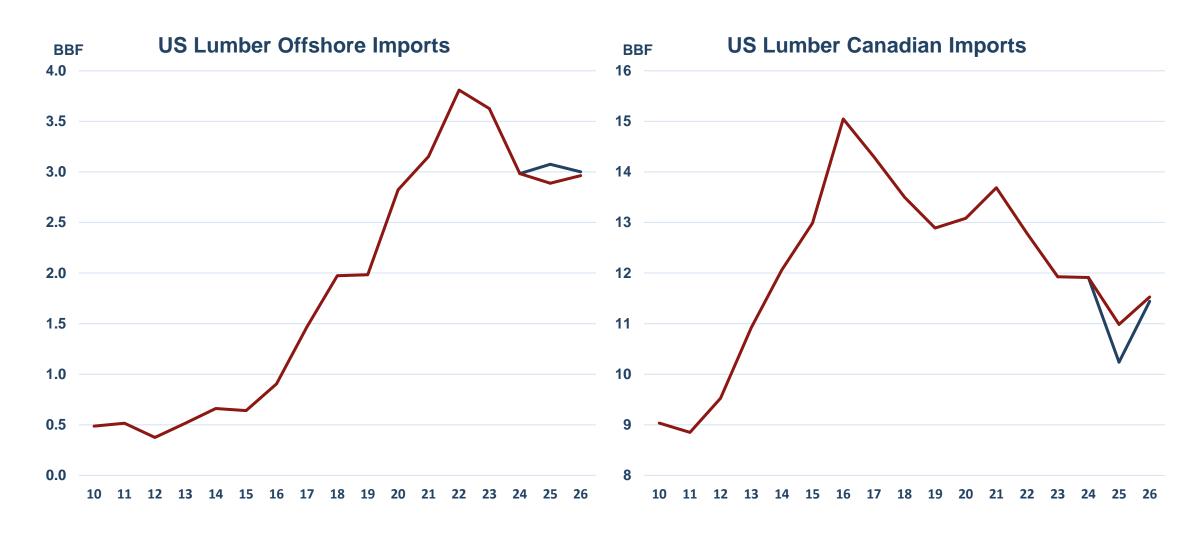


Higher Prices Will Nudge North American Consumption and Production Lower





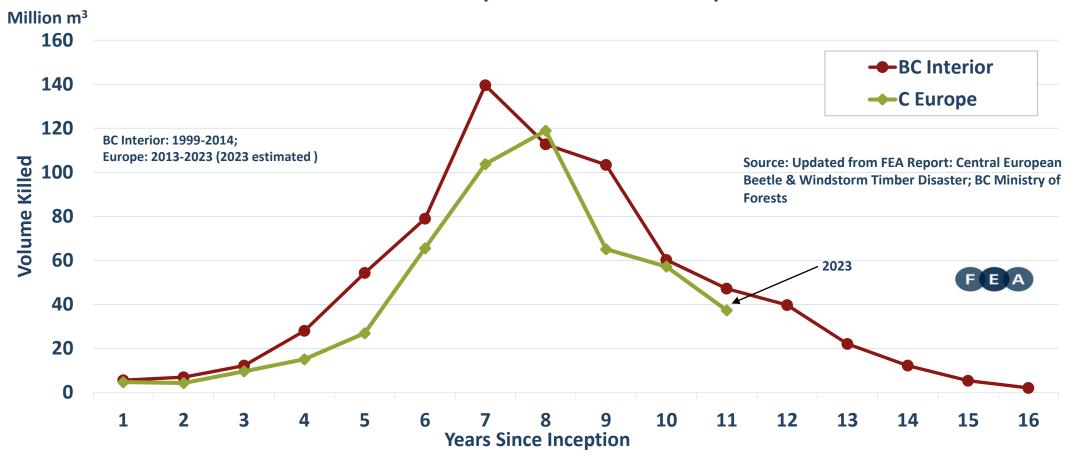
US Imports Of Canadian Lumber Will Fall While Offshore Imports Increase





The Scale of the Spruce Bark Beetle in C.Europe is Comparable to the Mtn. Pine Beetle in the BC Interior

Years Since the Inception of Bark Beetle Epidemics





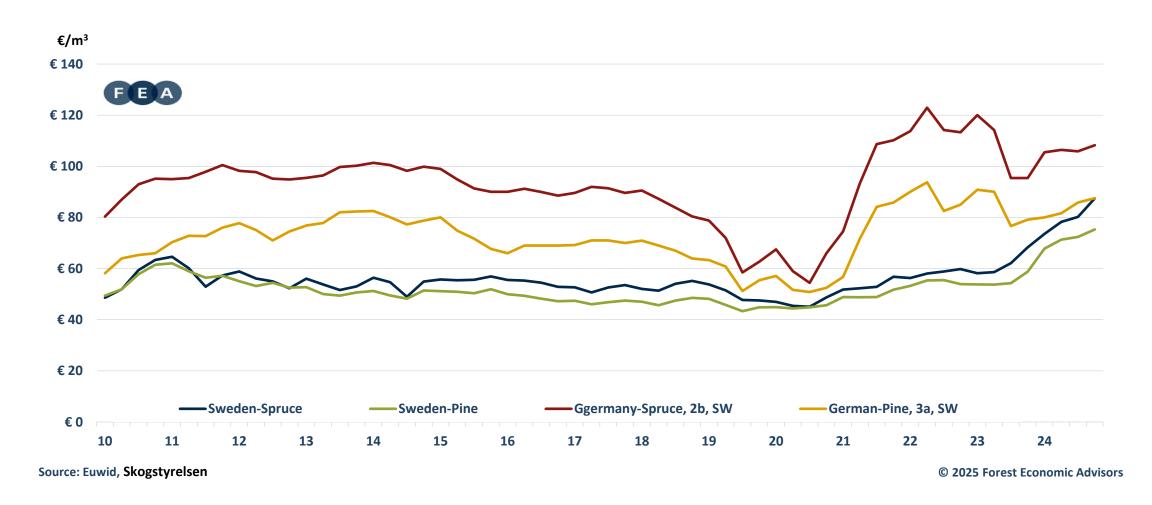
European Union Policy Changes Will Likely Impact Harvest Levels

- Land Use, Land Use Change, and Forestry (LULUCF)
- Biodiversity Strategy for 2030
- Nature Restoration Regulation
- EU Forest Strategy for 2030

Bottom line: Policies aimed at climate change and biodiversity will create stricter regulations on timber harvesting in the European Union. The LULUCF will likely have the greatest impact. The effect on harvest levels expected to be limited in the near-term but expected to increase beginning in 2026.

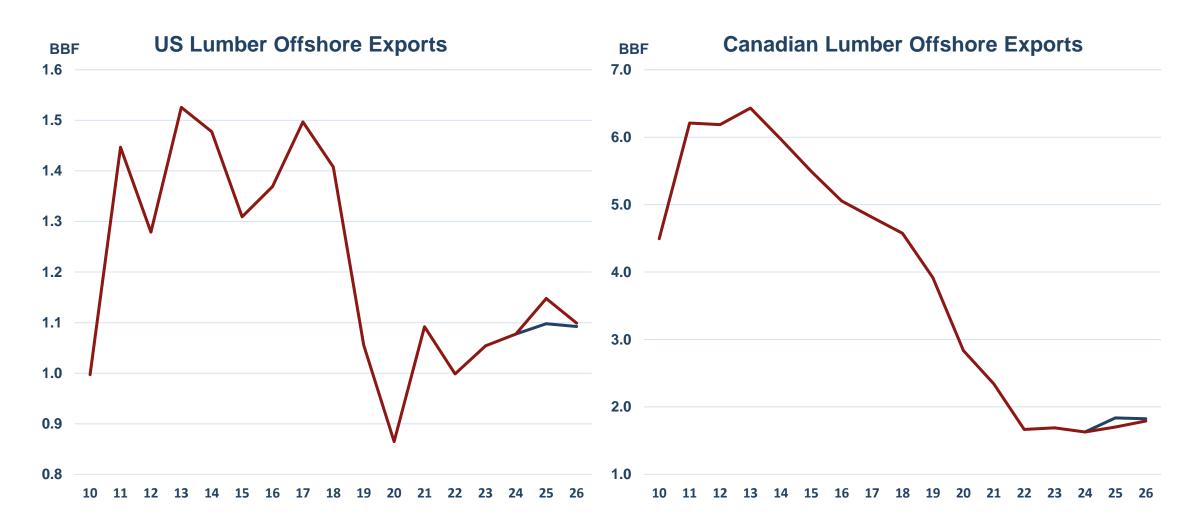


European Log Costs Have Risen





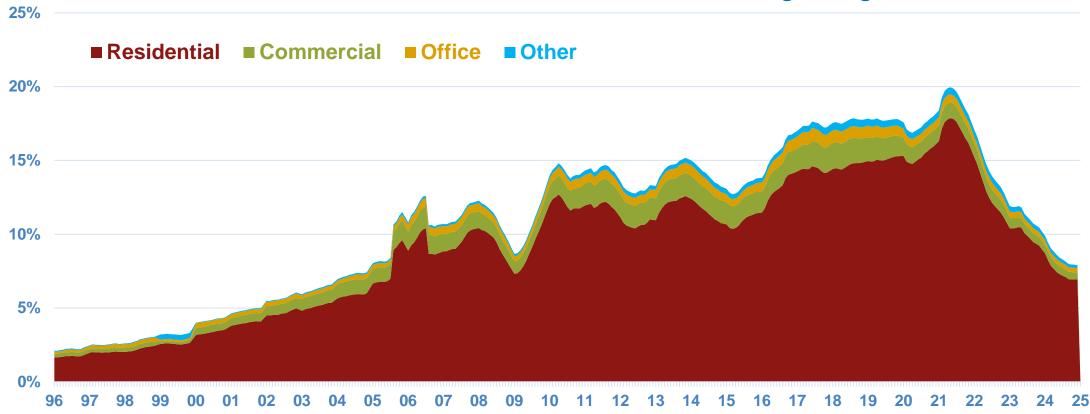
US Offshore Exports Of Lumber Will Fall While Canadian Offshore Exports Increase





Chinese Real Estate Transactions as a Percent of GDP

Chinese Real Estate Transactions as a Percent of GDP, 12-Month Moving Average





Lumber Take Home Points

- We have likely seen the bottom to the current cycle, but consumption will not see strong growth over the next year.
- Exports will remain weak, driven mainly by an increase in southern yellow pine.
- Imports will fall, but remain elevated as European and Chinese consumption continues to struggle.
- Tariffs and rising duties will bolster lumber prices.
- Costs remain elevated, especially for western species.



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Paul Jannke Principal, Lumber 1-978-496-6336 pjannke@getfea.com www.getfea.com

