





#### **FORESTA 2023**

Joint Session of the ECE Committee on Forests and the Forest Industry and the FAO European Forestry Commission

San Marino, 20-23 November 2023







### **NA Wood-Based Panel Market Update**

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# US 30-Year Fixed-Rate Mortgage

In response to recent interest rate hikes by the Fed, mortgage rates jumped from about 3.0% in early 2022 to 7.6% by mid-2023.



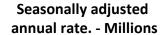


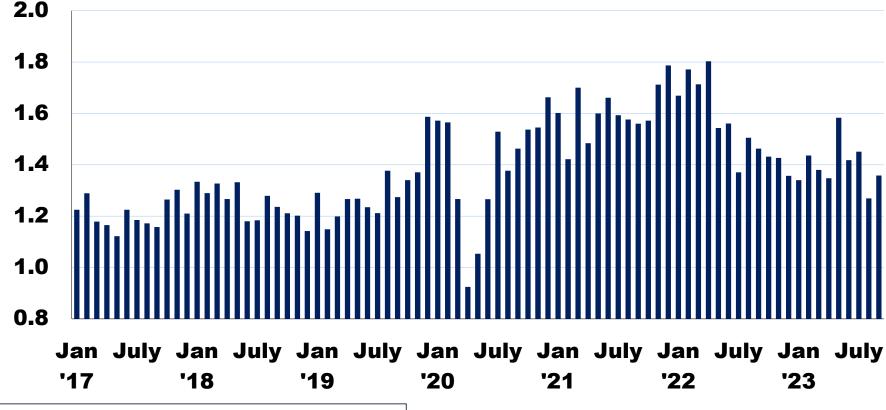




# US Annual Housing Starts

As a result of high mortgage rates, new housing starts are down by 10.8% since early 2022 and are projected to be down by a further 6.1% in 2024.





APA Forecast Single-family Multifamily Total	2022 1,005,200 547,400 1,552,600	2023 910,000 475,000 1,385,000	2024 880,000 420,000 1,300,000	
Canada	261,849	245,000	245,000	





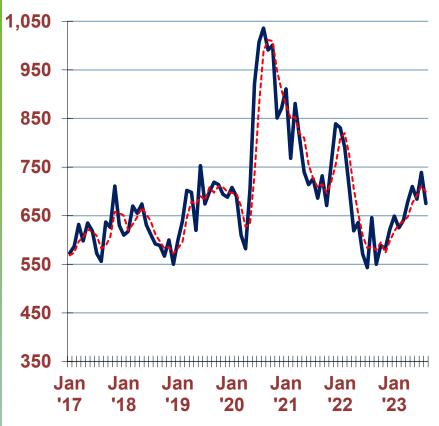


# New and Existing Home Sales

Similarly, sales of new homes and existing homes are down by 19.7% and 36.2%, respectively, since early 2022.

#### **New Home Sales**





#### **Existing Home Sales**

#### Millions



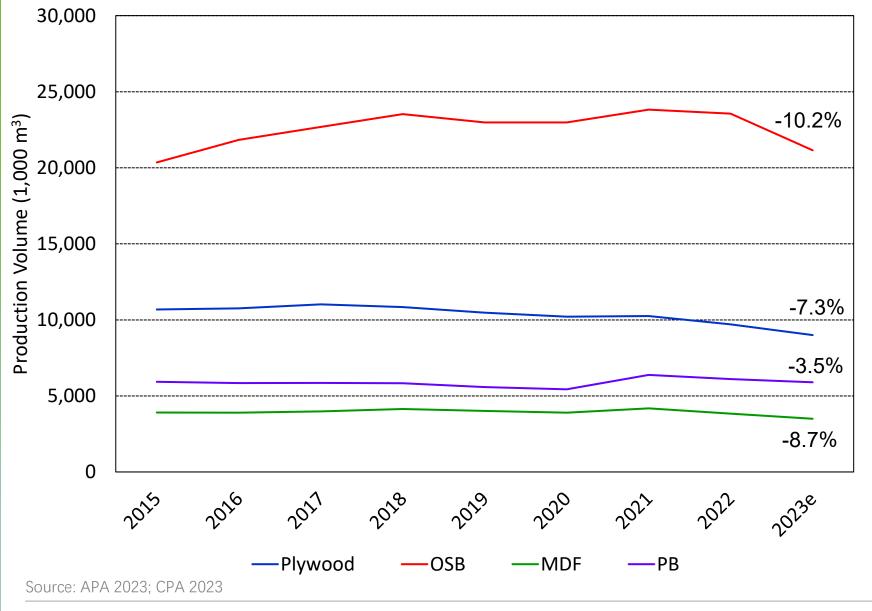






### NA Wood-Based Panel Production

With housing starts and homes sales down by double digits since early 2022, production of all wood-based panels were down substantially in 2023 relative to 2022.



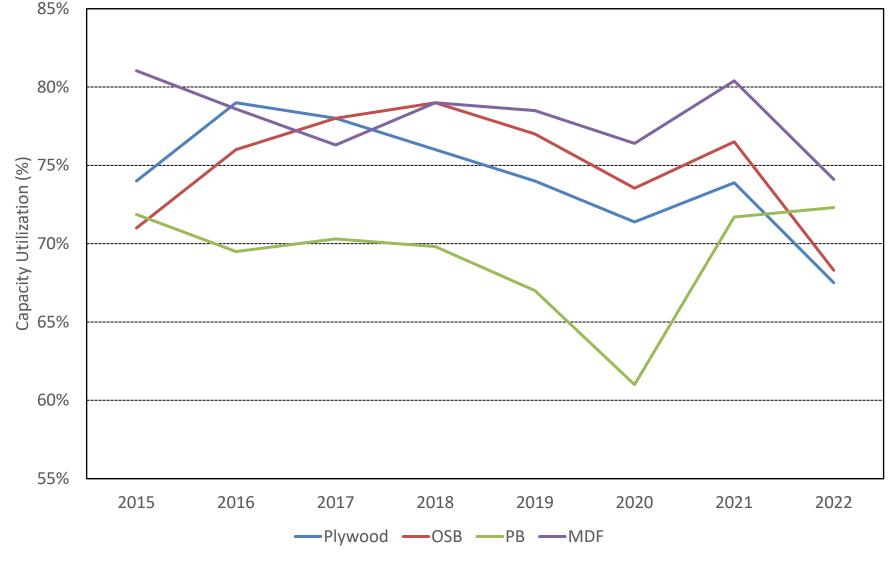






## NA Capacity Utilization Rates

Not surprisingly, capacity utilization within the woodsector declined (with the exception of PB) to below prepandemic levels due primarily to high mortgage rates and declining housing starts.



Source: APA 2023; CPA 2023







### NA Structural Panel End-Use Markets

WBP consumption was down across end-use markets with the largest decline within the residential housing sector. As a result, market shares increased across the remaining end-use sectors.

#### **End-Use Markets 2023**

(4th Qtr. estimate), bsf, 3/8" basis

Non-residential Remodeling Residential Housing Industrial

OSB	Plywood	Total	
1,753	1,252	3,005	9.4%
4,775	2,961	7,736	24.3%
11,681	2,834	14,516	45.6%
2,901	3,681	6,582	20.7%
21,110	10,728	31,839	

**End-Use Markets 2021** 

bsf, 3/8" basis

Non-residential Remodeling Residential Housing Industrial

OSB	Plywood	Total	
1,795	1,327	3,123	8.2%
4,958	3,171	8,129	21.5%
15,521	4,118	19,638	51.8%
2,968	4,021	6,989	18.5%
25,242	12,637	37,879	







# NA Structural Panel EndUse Markets

This trend was true for both OSB and plywood.

	Change	Change	Change
	OSB 23/22	Ply 23/22	Total 23/22
Non-residential	1.92%	1.21%	1.62%
Remodeling	-3.94%	-6.24%	-4.83%
Residential Housing	-18.60%	-23.28%	-19.55%
Industrial	-4.00%	-5.15%	-4.65%

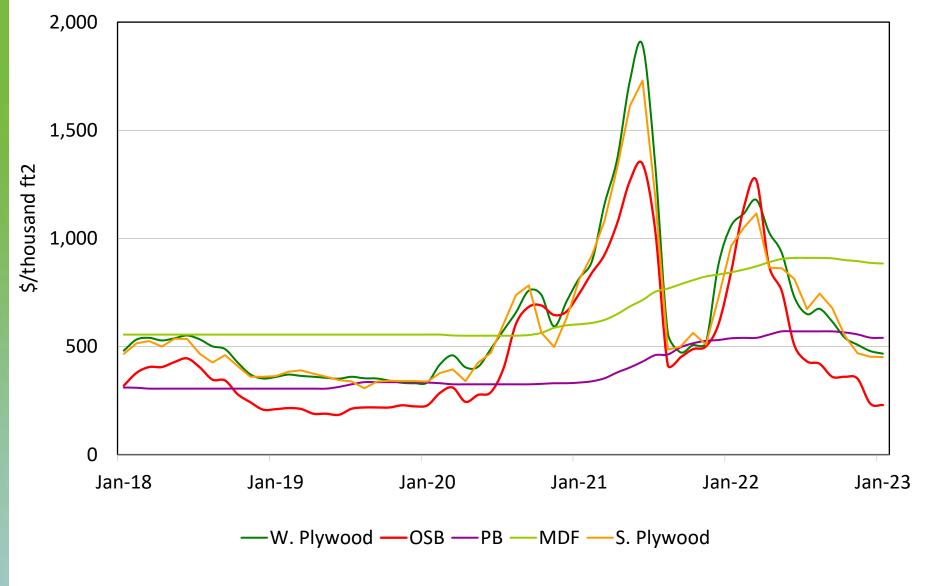






## NA Structural Panel Prices

As you might expect given these trends in demand, prices for structural WBP's feel substantially in 2022 although non-structural WBP prices declined only marginally



Source: Random Lengths, various years

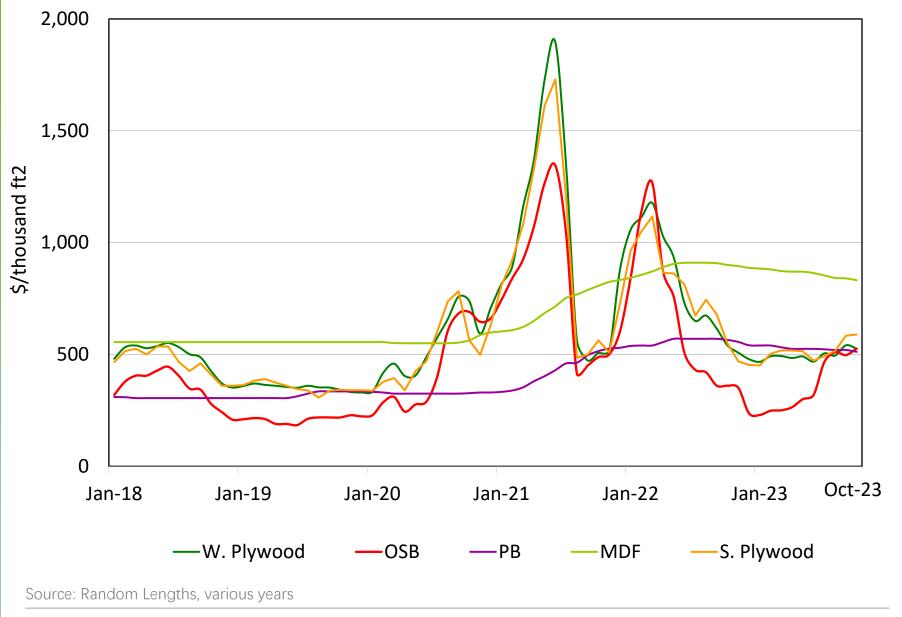






## NA Structural Panel Prices

2023 saw prices for structural WBP's rebound a bit (S. plywood: +12.6%; W. plywood: +30.6%; OSB: +130%), while prices of nonstructural WBP's declined slightly (PB: -5.2%; MDF: -5.9%).



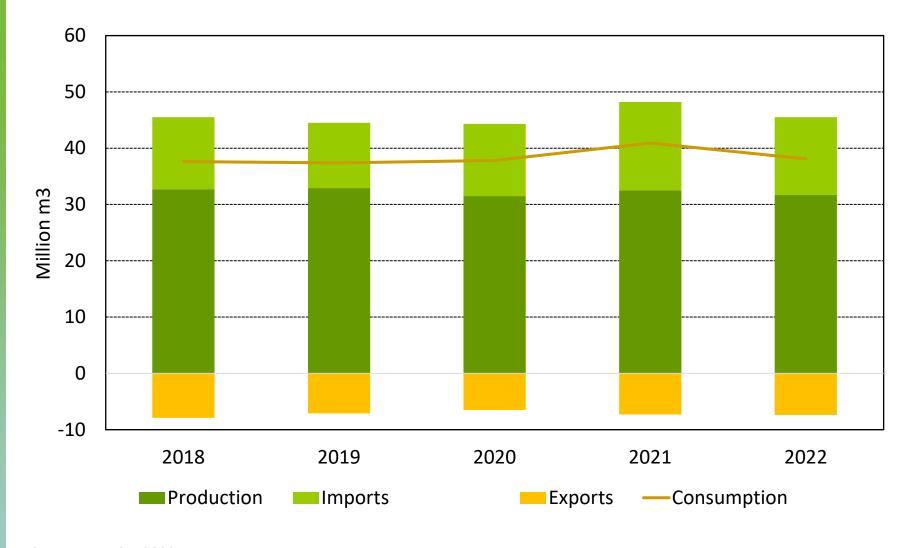






## NA Structural Panel Balance

Structural WBP production, consumption and imports in NA all declined in 2022 although exports held steady with a modest increase.



Source: UNECE, 2023

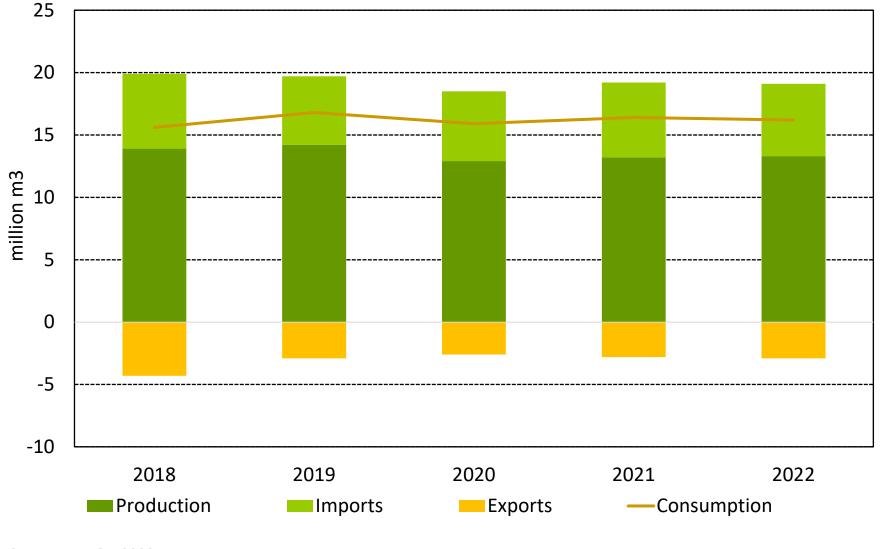






### NA Non-Structural Panel Balance

The market for non-structural WBP was fairly steady in 2022.



Source: UNECE, 2023







### NA Wood-Based Panel Trade (\$1,000)

NA trade of WBP's is projected to be down substantially across all product categories in 2023.

NA WBP Exports	<b>2023</b> e	2023/2022
Plywood	\$742,264	-18.5%
Fiberboard	\$668,309	-21.1%
Particleboard	\$329,258	-33.4%
OSB	\$1,565,674	-50.9%
Total	\$3,305,504	-39.3%

NA WBP Imports	<b>2023</b> e	2023/2022
Plywood	\$2,682,531	-46.0%
Fiberboard	\$1,512,695	-39.2%
Particleboard	\$320,934	-40.2%
OSB	\$1,518,709	-53.7%
Total	\$6,034,868	-46.5%







### NA Wood-Based Panel Exports (\$1,000)

Canadian exports, which were 3x those of the US, were down 44% overall compared to a 16% decline in the US.

US WBP Exports (% to Canada)	<b>2023</b> e	2023/2022
Plywood (4412) (47.3%)*	\$278,617	-23.9%
Fiberboard (4411) (55.5%)*	\$245,100	-9.4%
Particleboard (4410) (66.3%)*	\$184,965	-12.4%
OSB (441012) (65.8%)*	\$67,392	-8.5%
Total	\$776,074	-15.8%
Canadian WBP Exports (% to US)	<b>2023</b> e	2023/2022
Plywood (4412) (97.2%)*	\$463,647	-14.9%
Fiberboard (4411) (98.2%)*	\$423,209	-26.6%
Particleboard (4410) (99.98%)*	\$144,293	-49.0%
OSB (441012) (97.7%)*	\$1,498,281	-51.9%
Total	\$2,529,430	-44.0%

(%)\*=intra US-Canada trade







### NA Wood-Based Panel Imports (\$1,000)

US imports, which were more than 5x those of Canada, were down 49% overall While Canadian imports were down by 30%.

US WBP Imports (% to Canada)	2023e	2023/2022
Plywood (4412) (18%)*	\$2,291,613	-47.6%
Fiberboard (4411) (33%)*	\$1,213,575	-40.8%
Particleboard (4410) (78%)*	\$185,861	-51.1%
OSB (441012) (96.5%)*	\$1,466,014	-54.5%
Total	\$5,157,063	-48.6%
Canada WBP Imports (% to US)	<b>2023</b> e	2023/2022
Plywood (4412) (53.8%)*	\$390,918	-34.3%
Fiberboard (4411) (37.3%)*	\$299,120	-31.4%
Particleboard (4410) (80.2%)*	\$135,073	-13.9%
OSB (441012) (99.3%)*	\$52,694	-7.6%
Total	\$877,805	-29.5%

(%)\*=intra US-Canada trade







#### In Conclusion

- Rising interest rates in 2023 dampened demand for WBP's across all end-use markets in NA.
- Current projections suggest that any recovery within the NA WBP sector in 2024 will be likely be anemic at best.











## Thank you for your attention! Questions?

San Marino, 20-23 November 2023







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