

Tredegar

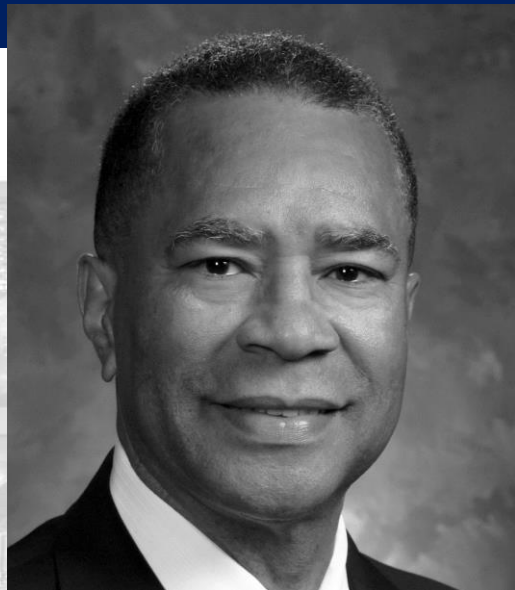
CORPORATION



2024

**ANNUAL
MEETING**

Annual Meeting Business Report



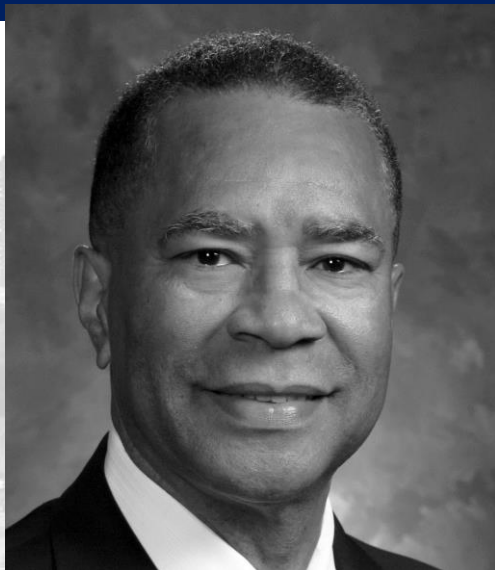
Greg Pratt
Chairman of the Board
of Directors

2024 Annual Meeting

Agenda

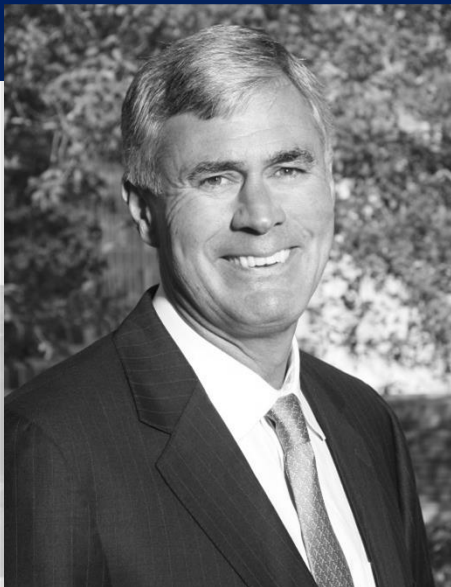
- Annual Meeting Business Report
Greg Pratt, Chairman of the Board of Directors
- Introduction and Highlights
John Steitz, President and Chief Executive Officer
- Tredegar Financial Report
Drew Edwards, Executive Vice President and Chief Financial Officer
- Bonnell Aluminum Business Update
Brook Hamilton, President – Bonnell Aluminum
- Tredegar PE Films Business Update
Bapi DasGupta, President – Tredegar PE Films
- Terphane Business Update
Jose Bosco Silveira, Jr., President – Terphane
- Questions

Annual Meeting Business Report



Greg Pratt
Chairman of the Board
of Directors

Introduction and Highlights



John Steitz
President and
Chief Executive Officer

2024 Annual Meeting

Forward-Looking Statements & Non-GAAP Measures

Certain statements contained in this presentation are forward-looking statements. Pursuant to federal securities regulations, we have set forth cautionary statements relating to those forward-looking statements in our Annual Report on Form 10-K for the year ended December 31, 2023, and in our Quarterly Report on Form 10-Q for the quarter ended March 31, 2024, and in other filings with the Securities and Exchange Commission. We urge readers to review and carefully consider these cautionary statements and the other disclosures we make in our filings with the SEC.

This presentation contains non-GAAP financial measures that are not determined in accordance with United States GAAP. These non-GAAP financial measures should not be considered in isolation, as an alternative to, or more meaningful than measures of financial performance determined in accordance with United States GAAP. A reconciliation of those financial measures to United States GAAP financial measures is available on the company's website at www.tredegar.com under "Investors".

The presentation speaks as of the date thereof. Tredegar is not, and should not be deemed to be, updating or reaffirming any information contained therein. We do not undertake, and expressly disclaim any duty, to update any forward-looking statements made in this presentation to reflect any change in management's expectations or any change in conditions, assumptions or circumstances on which such statements are based.

2024 Annual Meeting

2023 and 2024 YTD Highlights

- Excellent safety performance continues across all business units. We strive for zero accidents and rely on employees to identify risks before accidents occur.
- We recognized a meaningful profit from ongoing operations in the first quarter of 2024 for the first time since the first quarter of last year, after experiencing market declines throughout our businesses in 2023.
 - The bottom of the severe down cycle for Bonnell and Tredgar overall appears to have occurred in the third quarter of 2023. Since then, net new orders and sales volume at Bonnell have increased sequentially in each quarter and PE Films performance has rebounded nicely.
 - Favorable preliminary determinations have been made for countervailing and anti-dumping duties in the trade action that has been backed by a coalition of U.S. aluminum extruders.
- We completed the process to eliminate our pension obligation.
- We executed an agreement on September 1, 2023 to sell Terphane to Oben Group, which is currently under review by competition authorities in Brazil and progressing as planned.
- We continue to focus on prudently managing costs, working capital and capital spending and are optimistic for a very good 2024.

Tredegar Financial Report

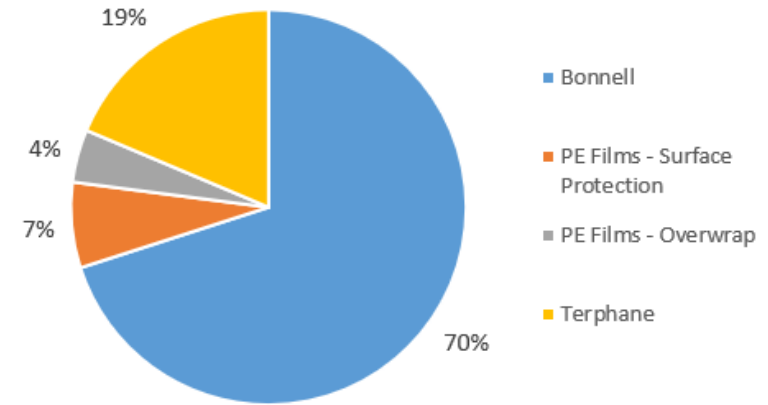


Drew Edwards
Executive Vice President and
Chief Financial Officer

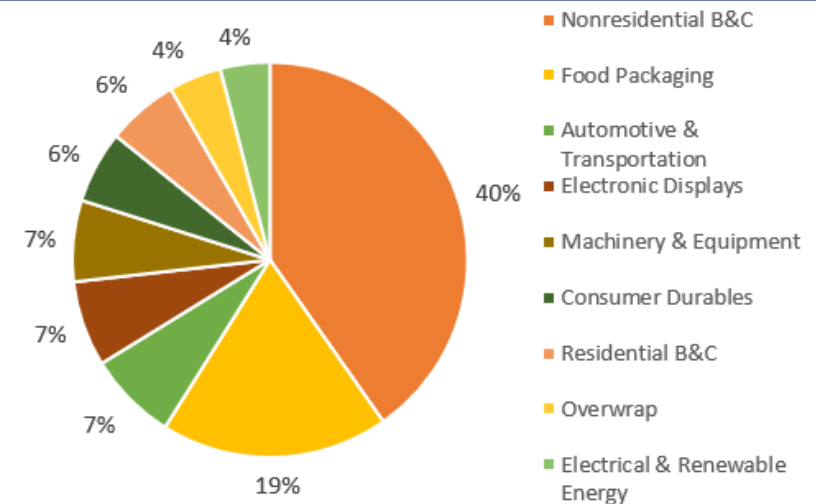
Our Businesses (\$ Millions)

- **Bonnell** makes custom designed, fabricated and finished aluminum profiles; serving three key end-market segments:
 - Building & Construction (B&C), which represented approximately 64% of Bonnell’s 2023 net sales (with commercial B&C comprising 56%)
 - Automotive and transportation
 - Specialty markets, including consumer durables, machinery & equipment, electrical and distribution
- **PE Films** (mainly polyethylene-based films)
 - **Surface Protection (SP)** films made and sold in the U.S. and Asia for protecting high-value components of flat panel and flexible display components and materials suppliers for advanced semiconductor packaging
 - **Overwrap (OWF)** films made in the U.S. primarily for paper tissue & towel overwrap
- **Terphane** makes specialized polyester (“PET”) films for use in packaging and industrial applications to provide maximum protection with the least utilization of resources due to extremely lightweight films; serving South America, North America and European markets; majority of products are made and sold in Brazil

2023 Net Sales by Business Unit* (Total of \$678)

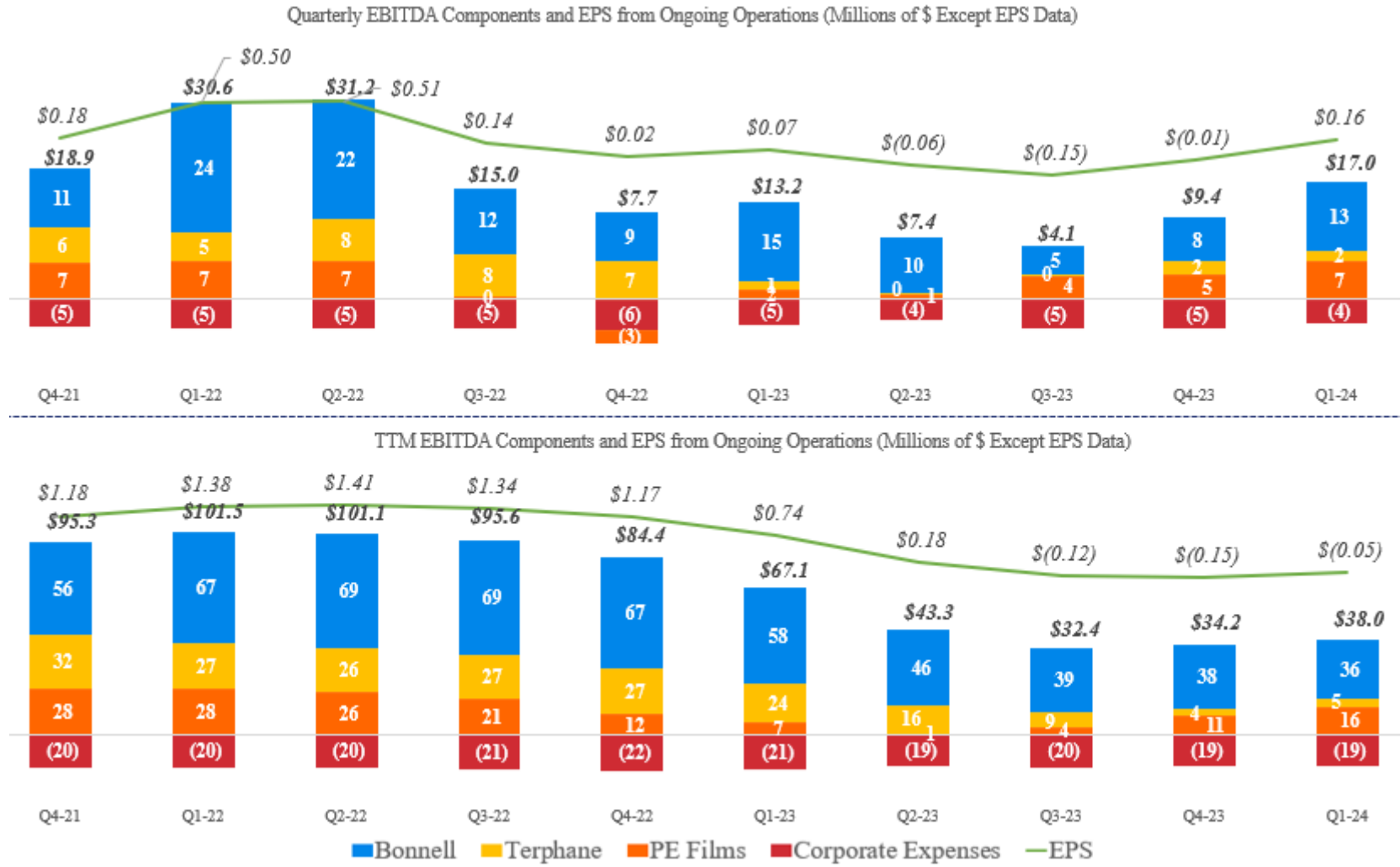


2023 Net Sales by Market



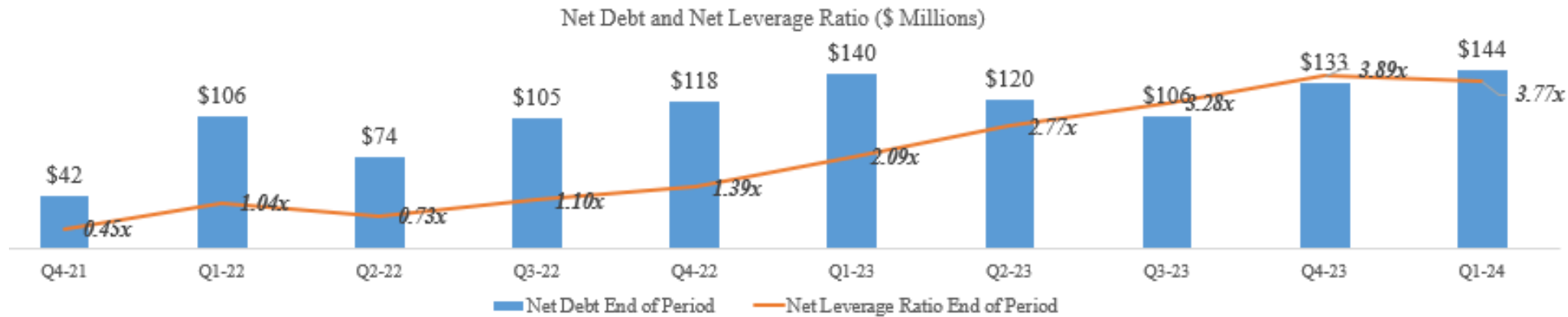
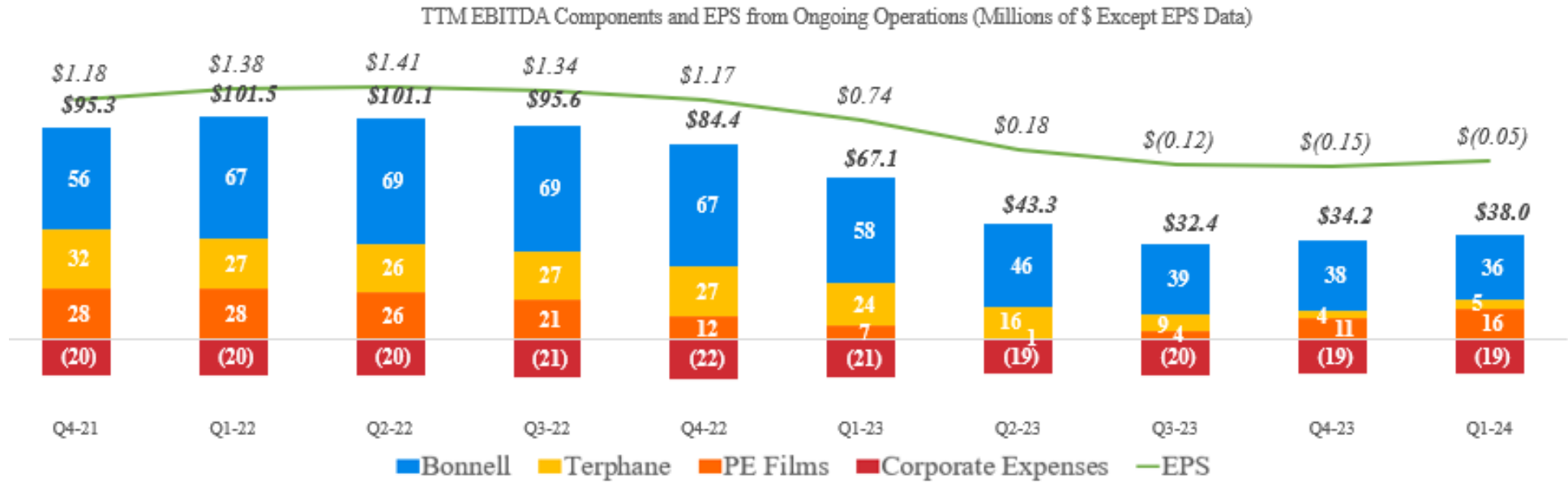
*The Company uses sales less freight (“net sales”) as its measure of revenues from external customers at the segment level.

Tredegar Quarterly and Trailing 12 Months (TTM) EBITDA and EPS from Ongoing Operations *



*Earnings before interest, taxes, depreciation, and amortization (“EBITDA”) from ongoing operations, earnings per share from ongoing operations, and net debt are non-GAAP financial measures. More information on these non-GAAP measures, reconciliations to the most comparable GAAP measure, and the identification of notable items are available on our website at www.tredegar.com by selecting “Investors”.

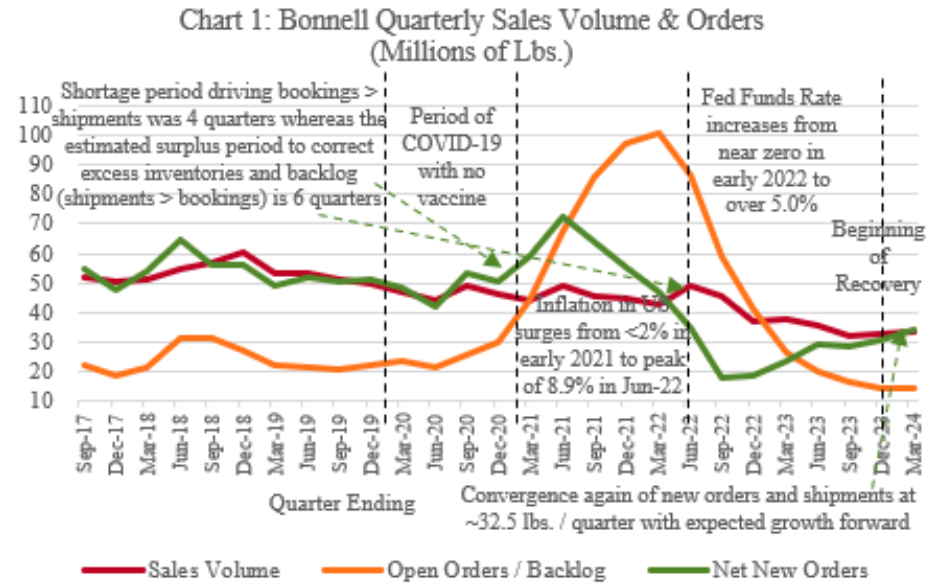
Tredegar TTM EBITDA and EPS from Ongoing Operations and Net Debt and Leverage Trends *



*Earnings before interest, taxes, depreciation, and amortization (“EBITDA”) from ongoing operations, earnings per share from ongoing operations, and net debt are non-GAAP financial measures. More information on these non-GAAP measures, reconciliations to the most comparable GAAP measure, and the identification of notable items are available on our website at www.tredegar.com by selecting “Investors”.

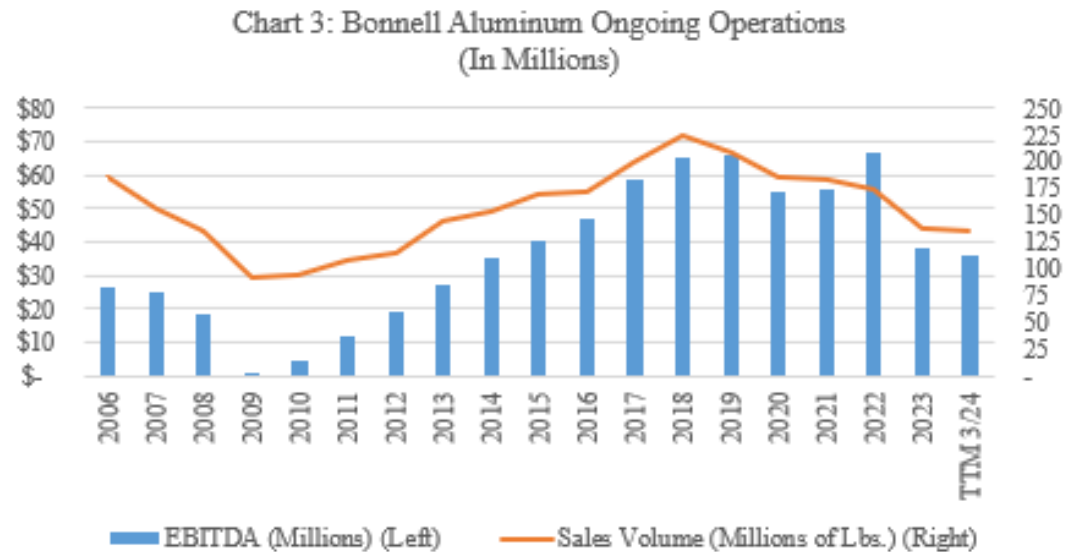
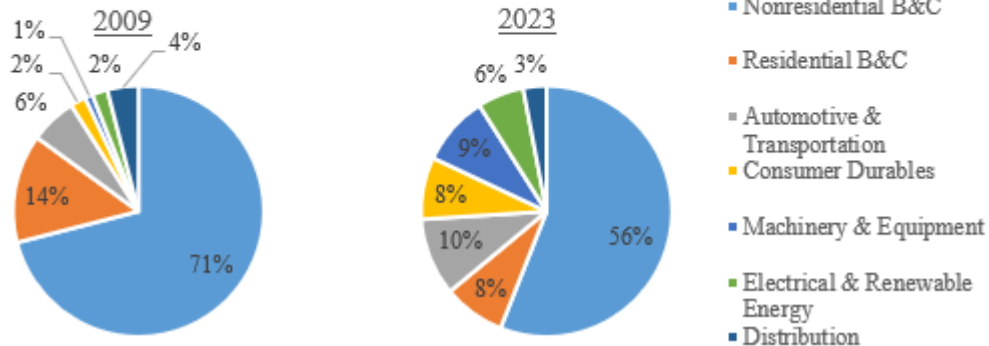
Bonnell Shipments, Bookings / Orders and Backlog and EBITDA Trends

- Bonnell's story pre- and post- pandemic is summarized in the complicated top right chart (Chart 1). After unprecedented spikes in backlog caused by global supply chain and labor shortage issues that started in early 2021, the Company believes that orders and shipments – the green and the red lines – have again converged as expected.
- First quarter of 2024 shipments and net new orders grew for the second consecutive quarter since the third quarter of 2023, the apparent bottom of this significant cyclical downturn.
- During the period of pandemic supply chain challenges and labor shortages, data indicates that customers started expanding their imports of aluminum extrusions, which grew to 25% of the U.S. market in 2022 from 15% before the pandemic. We believe that the favorable trade case discussed on the next slide provides additional upside opportunity to recapture market share lost to imports.



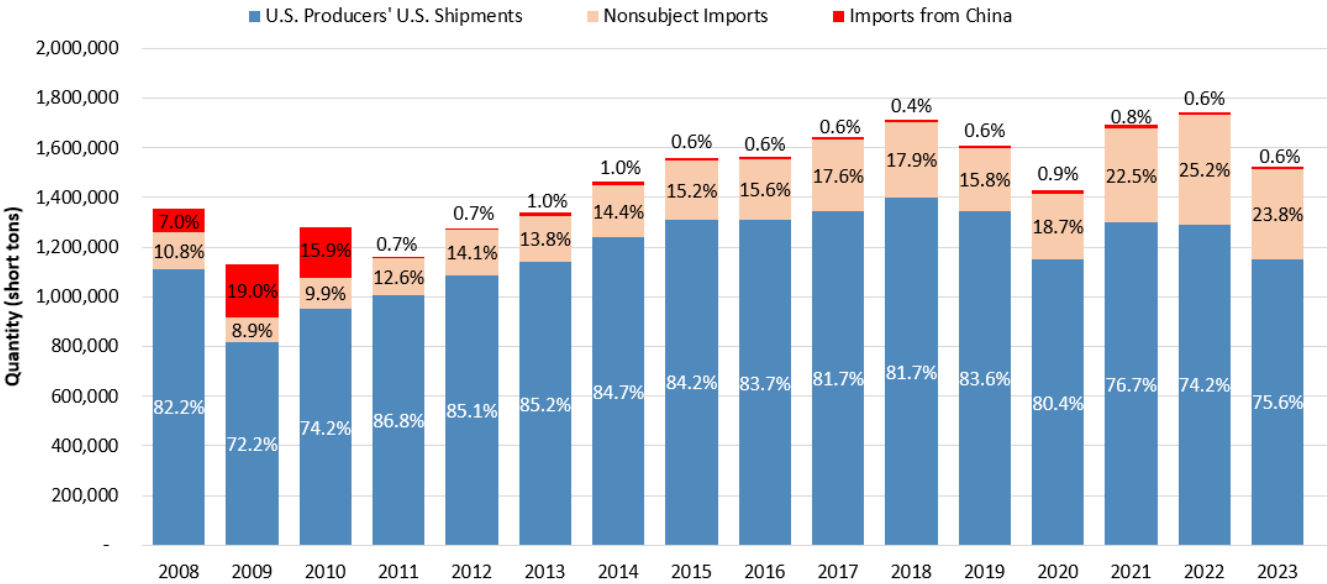
Bonnell acquisitions of AACOA (Niles and Elkhart plants) on 10/1/12 and Futura (Clearfield plant) on 2/15/17 increased diversification of end markets and lowered exposure to B&C, plus added operating leverage.

Chart 2: Bonnell Aluminum End Use Markets



Aluminum Extrusions Industry Trends for Imports and Fair Trade

**Apparent U.S. Consumption for Aluminum Extrusions:
U.S. Producers', Imports from China, and Nonsubject Import Market Shares**



	Rates of Dumping Alleged in Petitions Filed 10/4/23 *	Preliminary Dumping Rates Announced by the Dept. of Commerce on 5/2/24
China	256.58%	4.91 – 376.85%
Colombia	181.76%	8.85 – 34.47%
Dominican Republic	28.29%	0%
Ecuador	64.57%	17.23 – 51.20%
India	35.67%	3.44 – 39.05%
Indonesia	112.21%	5.66 – 112.21%
Italy	37.52%	15.3 – 41.67%
Malaysia	54.87%	26.7 – 27.51%
Mexico	111.38%	9.18 – 82.03%
South Korea	66.45%	2.42%
Taiwan	99.80%	33.93 – 57.86%
Thailand	84.71%	2.02 – 4.04%
Turkey	33.79%	45.44 – 602.72%
United Arab Emirates	39.80%	9.13 – 42.29%
Vietnam	53.75%	2.85 – 41.84%

* The petition rates are the highest possible dumping rates that could be determined using available information at that time and serve as the basis of the adverse facts available (AFA) rates for companies that do not cooperate in the investigation. Such rates rarely reflect the final rates calculated once the respondents provide their confidential data.

Excerpts from U.S. Aluminum Extruders Coalition press release dated 5/2/24:

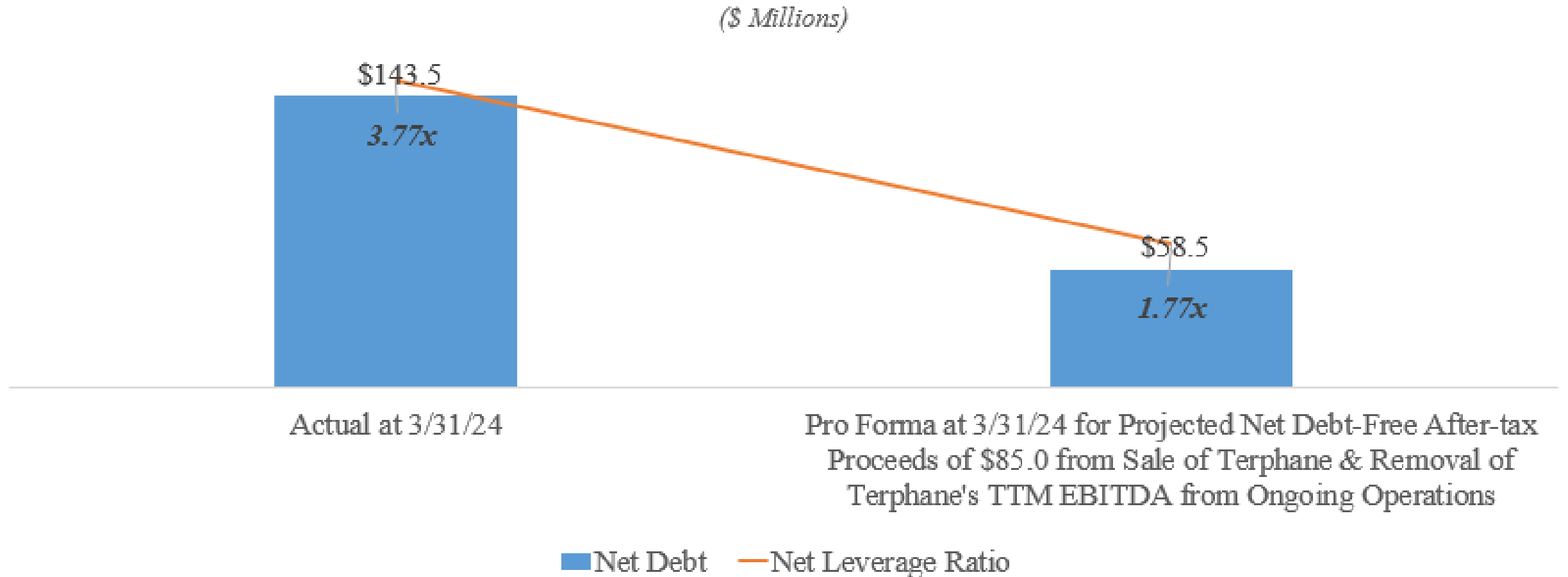
“The Commerce Department’s findings against these 14 countries show just how widespread dumping practices are globally and highlight the importance of strongly enforcing the antidumping laws to shield U.S. businesses and workers from the devastating effects of unfair trade,” said Robert E. DeFrancesco, trade counsel to the Petitioners and a partner in the International Trade Practice at Wiley. “We are encouraged by the preliminary affirmative findings and will continue to work with the Commerce Department to ensure that for its final determination, the margins properly reflect the full amount of dumping taking place by the foreign producers.”

- In November 2023, the ITC found that there is a reasonable indication that the American aluminum extrusions industry is materially injured or threatened with injury due to imports from 14 countries, including China. The ITC’s preliminary determination found that subject import volumes were significant and increasing, and that, with regard to pricing, subject imports predominantly undersold the domestic product by volume in each year of the period of investigation.
- A preliminary countervailing duties determination was announced on March 5, 2024. The Commerce Department calculated affirmative preliminary countervailing duties from each of the following countries: imports from China at rates of 15.41% to 169.66%, imports from Indonesia at rates of 6.69% to 43.56%, imports from Mexico at rates of 1.68% to 77.80%, and imports from Turkey at rates of 1.45% to 147.53%.
- The preliminary anti-dumping determination was announced on May 2, 2024 (see table above). The Commerce Department is scheduled to issue its final determinations in mid-July (which could be extended to late September 2024).
- The Company believes that the favorable trade case provides additional upside opportunity to recapture market share lost to imports.

Status of Agreement to Sell Terphane

- On September 1, 2023, the Company announced that it had entered into a definitive agreement to sell Terphane to Oben Group. Completion of the sale is contingent upon the satisfaction of customary closing conditions, including the receipt of certain competition filing approvals by authorities in Brazil and Colombia.
 - Colombia has approved
 - Approval from Brazil anticipated such that closing expected to occur before the maximum statutory deadline of 11/18/24
- Terphane, Tredgar and Oben anti-trust counsel and consultants are actively involved in communications with competition authorities in Brazil (the Administrative Council for Economic Defense (“CADE”))
 - Review process has been moving forward as expected
- Terphane, Tredgar and Oben are actively planning completion of closing conditions, transition and closing day funds flow
- If the sale transaction is completed as projected, the Company expects to realize after-tax net debt-free cash proceeds of ~\$85 million after deducting assumed Brazil withholding taxes, escrow funds, US capital gains taxes and transaction costs. Actual after-tax proceeds may differ from estimates due to possible changes in deductions and the Company’s tax situation during the potentially lengthy interim period to the closing date.

Tredegear Pro Forma Net Debt and Net Leverage Ratio at 3/31/24 for Sale of Terphane – Credit Profile Significantly Improves *



*Earnings before interest, taxes, depreciation, and amortization (“EBITDA”) from ongoing operations, earnings per share from ongoing operations, and net debt are non-GAAP financial measures. More information on these non-GAAP measures, reconciliations to the most comparable GAAP measure, and the identification of notable items are available on our website at www.tredegear.com by selecting “Investors”.



BONNELL
ALUMINUM



Bonnell Aluminum Business Update



Brook Hamilton
President,
Bonnell Aluminum

OUR BUSINESS: ALUMINUM EXTRUSIONS

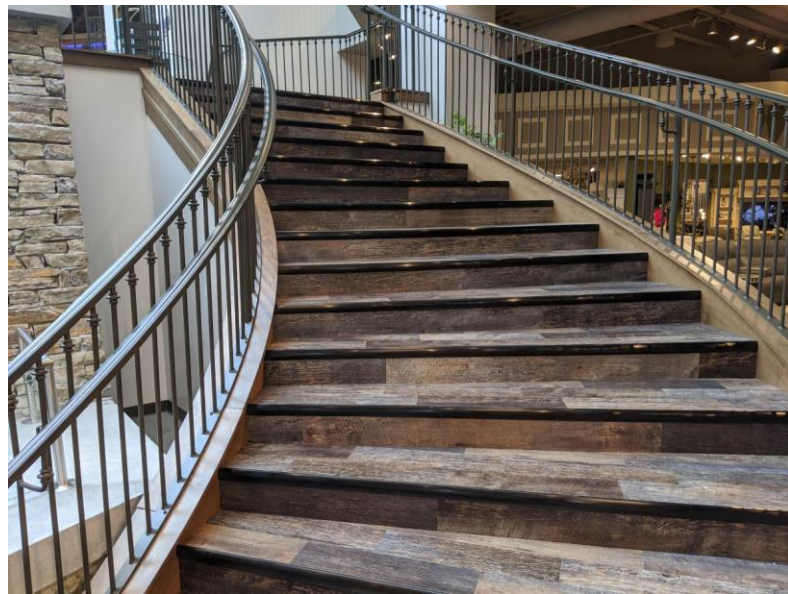
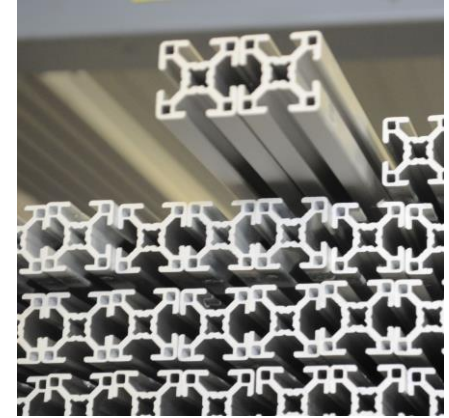
Building & Construction, Automotive, Machinery & Equipment, Consumer Durables, Renewable Energy and more...



Additional Product Lines



Structural and industrial
aluminum framing systems

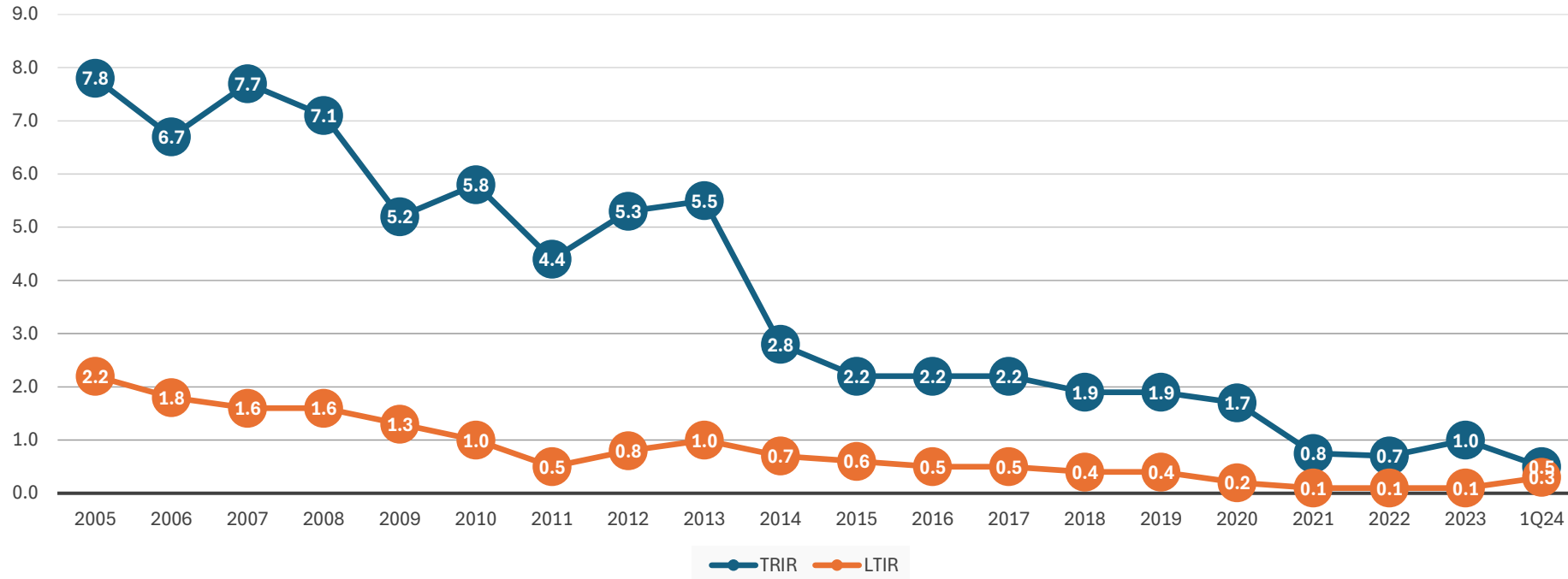


Aluminum flooring and
safety trims



Safety Performance

Total Recordable (TRIR) & Lost Time Incident Rates



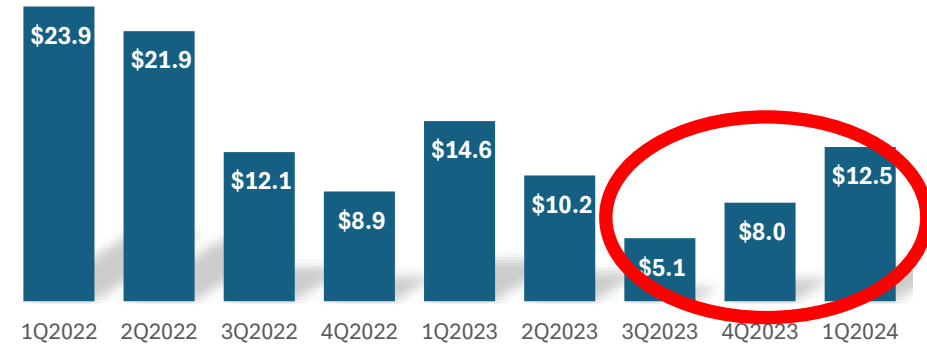
- In 2023, Bonnell recorded a total of 15 injuries (including 2 lost times) for a TRIR of 1.0 and LTIR of 0.1
- In 1Q2024, Bonnell recorded 2 injuries for a TRIR of 0.5 and LTIR of 0.3

Financial Performance

Volume Shipment
(million pounds)

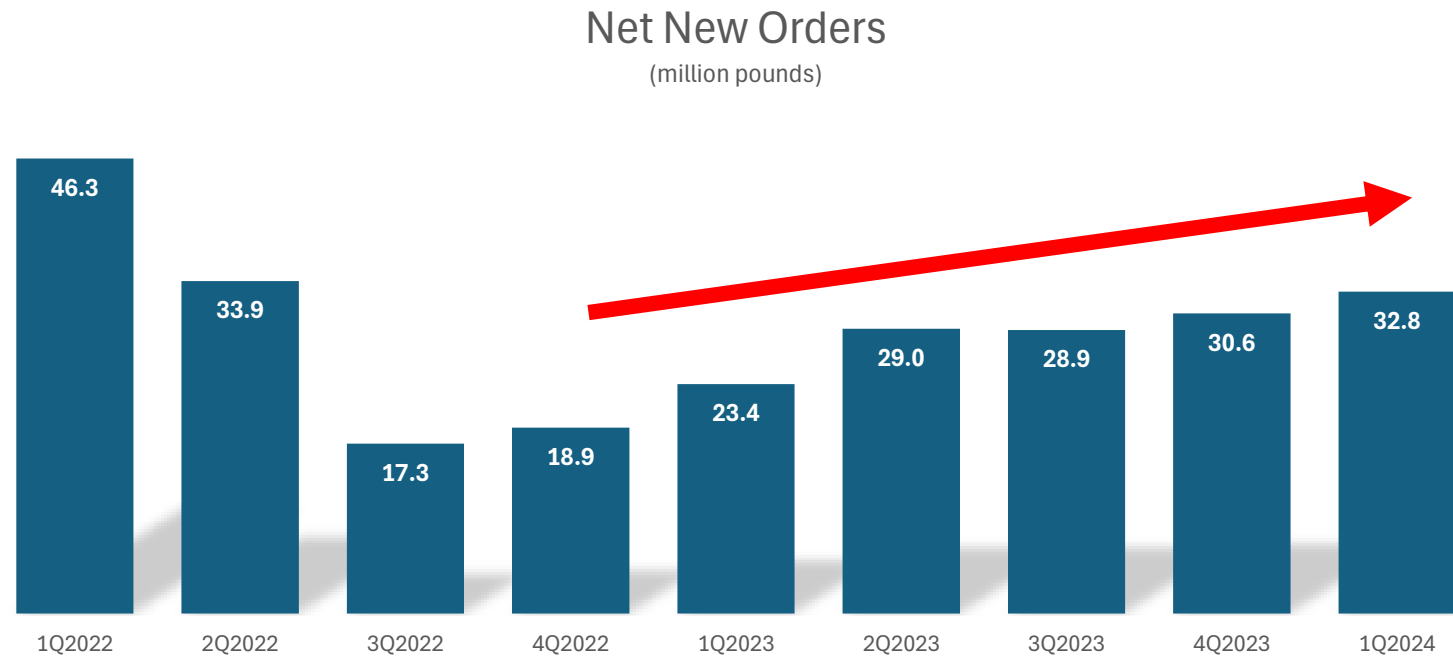


EBITDA
(\$ million)



- EBITDA improvement since the apparent cyclical bottom in the third quarter of 2023 led by growth in net new orders, shipments, improvement in margins and cost controls.

Net New Orders

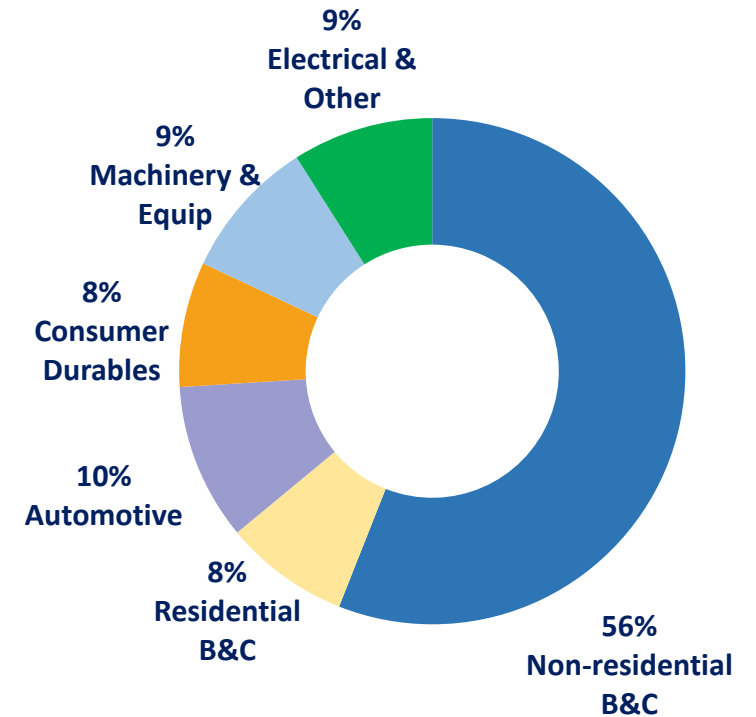


- Net new orders continue to show steady quarter-over-quarter improvements.

Strategic Business Development in Our Key Markets

- Opportunities in mid-rise building and institutional projects, despite new commercial real estate projects currently under intense pressure from tighter lending standards and high interest rates
- Selectively pursuing automotive, heavy truck and bus and after-market applications to grow automotive segment from 10% to 15% of net sales
- In specialty markets, engaged in “win-back” initiatives and pursuing value-added program opportunities through digital and non-digital marketing campaigns designed to create awareness, engagement and specifications.
- Focused on sustaining market premium provided by industry-leading position

\$475 Million 2023 Net Sales



Volume Outlook

Economic Indicators	2024f	2025f	2026f
Real Gross Domestic Products	+2.4%	+1.7%	+2.2%
- Gross Private Domestic Investment – Equipment	+1.4%	+3.0%	+4.0%
- Gross Private Domestic Investment – Structures	+4.0%	+0.5%	+1.6%
- Gross Private Domestic Investment – Residential	+3.3%	+2.7%	+3.2%
Industrial Production	+0.2%	+1.5%	+1.8%
Housing Starts (million)	1.508	1.592	1.450
Light Vehicle Sales (million)	15.4	16.5	17.0

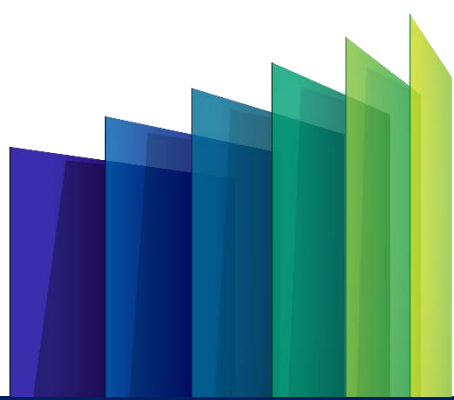
Sources: Wells Fargo, Bank of America, Conference Board and Georgia State University

- Net new orders and sales volume expected to continue to grow, subsequent to apparent bottom of cycle in the third quarter of 2023, but the trajectory of the rebound is difficult to estimate.

Trade Case Update

- The trade case against 14 countries is one of the largest in recent years. Anti-dumping and countervailing duties on Aluminum Extrusions from China, issued by DOC in 2011, are already in place, and the proposed product scope of the new petitions expands that of the existing orders to capture various additional types of aluminum extrusions.
- Preliminary determinations for countervailing and anti-dumping duties have been favorable.
- Final determinations, which are expected by the end of the third quarter of 2024, should provide upside opportunity for Bonnell to regain market share.





Tredegar
SURFACE PROTECTION
ENABLING YOUR TECHNOLOGY THROUGH OURS

Tredegar
CORPORATION 

Tredegar PE Films Business Update



Bapi DasGupta
President,
Tredegar PE Films

Surface Protection Films

- **Global Technology and Quality Leader** of highly specialized films which protect extremely sensitive surfaces of critical components of Optical Displays and Engineered Surfaces
- **Value Proposition – Improve yields, maximize product performance and ensure pristine quality** during customer manufacturing processes & shipment = **\$\$\$ savings to customers + supply reliability ('Peace of Mind')**

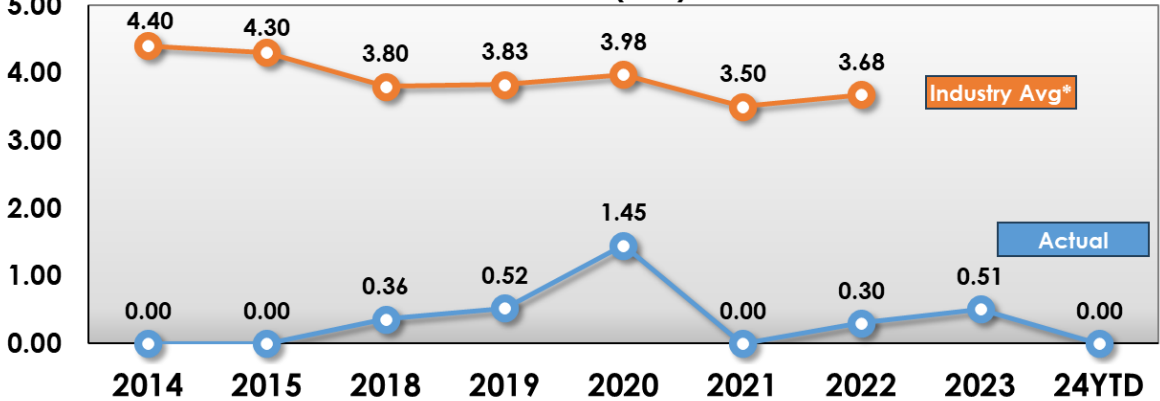
Overwrap Films

- **Leading supplier of films used in:**
 - Paper Tissue and Towel Overwrap
 - Hot-Melt Adhesive and Butyl Rubber Bale Packaging
 - Specialty Tapes
 - In-Transit Automotive Paint Protection (Manufacture to Dealer)



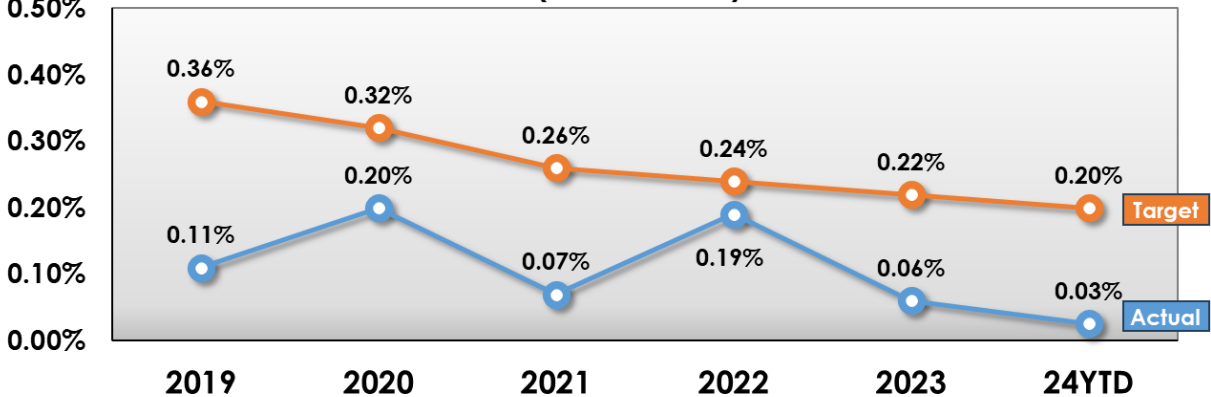
Outstanding Safety and Quality Performance

SAFETY - Total Recordable Incident Rate (TRIR)



*Source: Bureau of Labor Statistics - NAICS Code: 326, 2023 Industry data is not yet published

QUALITY - Claims Rate (% of Revenue)



Great Safety Culture = Great Quality Culture

2023 Financial Performance

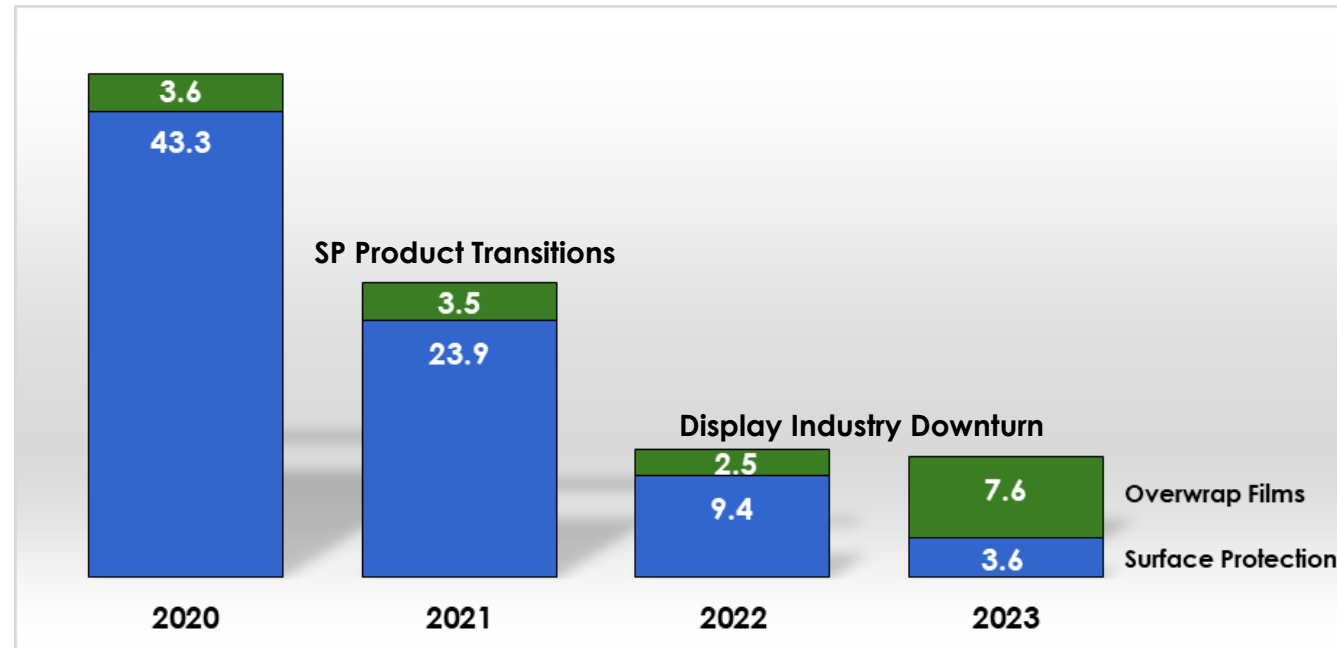
- 2023 PE Films EBITDA: \$11.2MM (SP \$3.6MM, OWF \$7.6MM)
- Unprecedented decline in the Display Industry continued through 2023 (one of industry's worst performances):
 - Display decline was driven by excess inventory and low demand
 - The Display downturn had a major adverse impact on Surface Protection (SP)
- Richmond Technical Center was closed...transferred R&D and process technology to manufacturing plants
- Overwrap Films (OWF) had a record year in 2023

Bright Spots

- Safety and Quality
- No market share loss in SP, maintained / increased pricing
- Encouraging progress in new applications
- Operations productivity/cost savings of over \$5MM
- Cash Flow Management (Working Capital, CapEx)

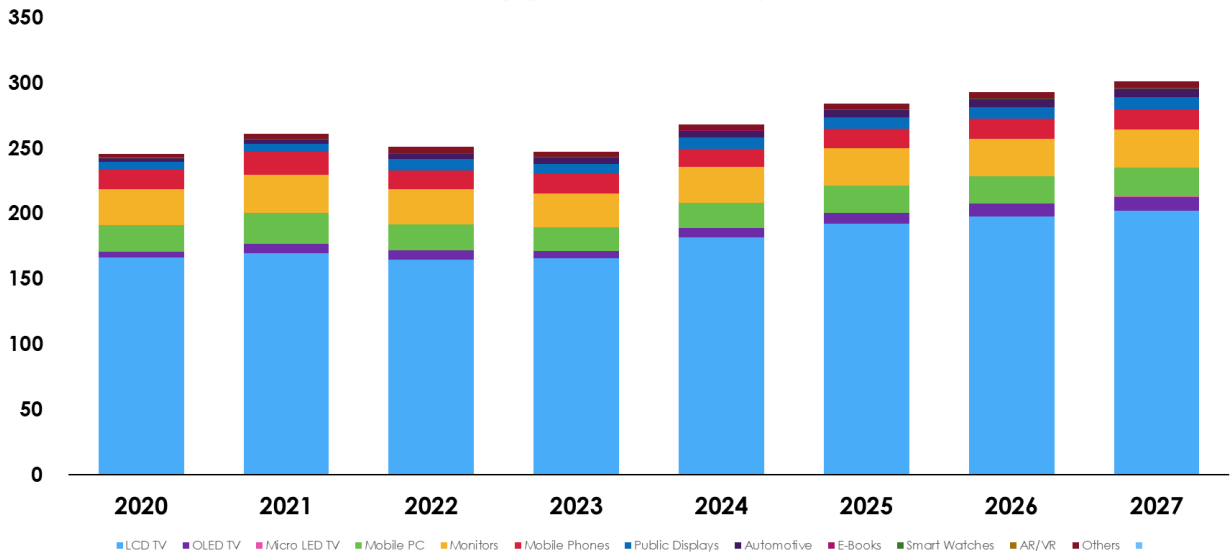
SURFACE PROTECTION, OVERWRAP FILMS EBITDA from ONGOING OPERATIONS

\$ in Millions

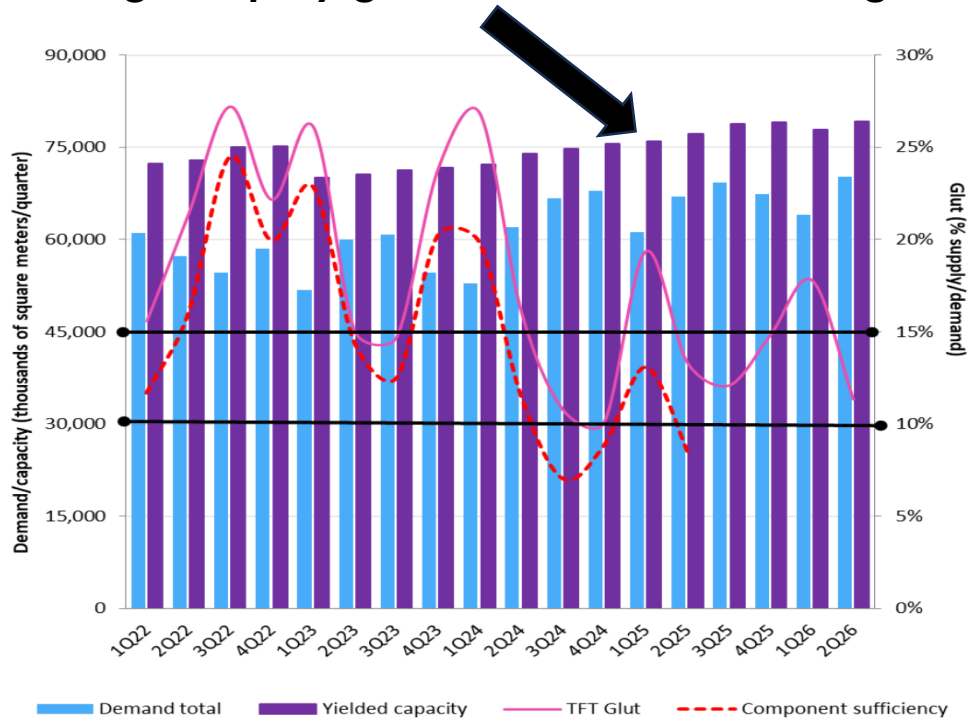


Industry Dynamics...Display Market slowly rebounding

2020-2027 Display Area (Square Meters in Millions)



Large Display glut levels are normalizing



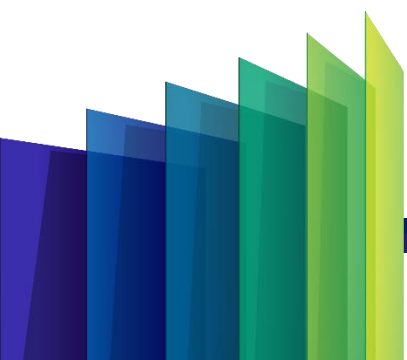
	2023 Share	2022-2027 CAGR
LCD TV	67%	4%
OLED TV	2%	8%
Mobile Phones	6%	2%
Notebooks	7%	2%
Monitors	11%	2%
Automotive	2%	11%

- LCD remains largest area share
- Screen size continues to increase
- Increase in Advanced Displays
- Mini-LED growth
- Growth in Automotive Displays
- OLED share growth in Smart Phones

Industry rebound since 4Q 2023

*Source: DSCC 2023

Source: OMDIA 2023



Tredegar Surface Protection and Overwrap Films Product Portfolio

Increasing value through market-leading differentiated new products

PEARL / PEARL PREMIUM™



UHD TVs



8K Displays

ULTRAMASK™



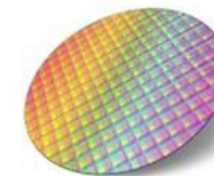
Display Glass

OBSIDIAN™



Automotive

LITHYN™



Semiconductors



Smart Phones



Next Gen Smart Phones



Display Glass



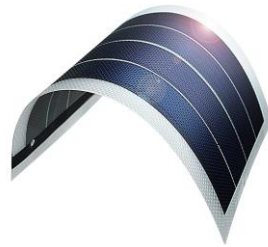
AR/VR

EXTREL™



Packaging & Tapes

- Automotive applications using our Obsidian™ product crossed \$1MM CM... projected to grow in 2024
- Functional Coating applications approaching \$2MM CM (Pearl™ family products)
- Steady progress in Solar, E-Paper and Electronics using Co-Ex new products (repeat orders)





- No safety recordables and no major quality complaints
- SP business beginning gradual recovery along with industry since 4Q 2023; OWF business stable
 - Secured multi-year contracts with two of PE Films' largest customers
 - Customer's businesses are coming back – no “gloom and doom” as in 2022 / 2023
 - Holding / increasing market share
- Through 1 Q 2024, PE Films' EBITDA is above Plan and PY (YTD) for both businesses, all key scorecard metrics are on-track
- Continued emphasis on operational excellence, cost management, cash flow generation, value-added new products/new customers for margin growth



Terphane Business Update



Jose Bosco Silveira, Jr.
President, Terphane

Protection with Lower Impact



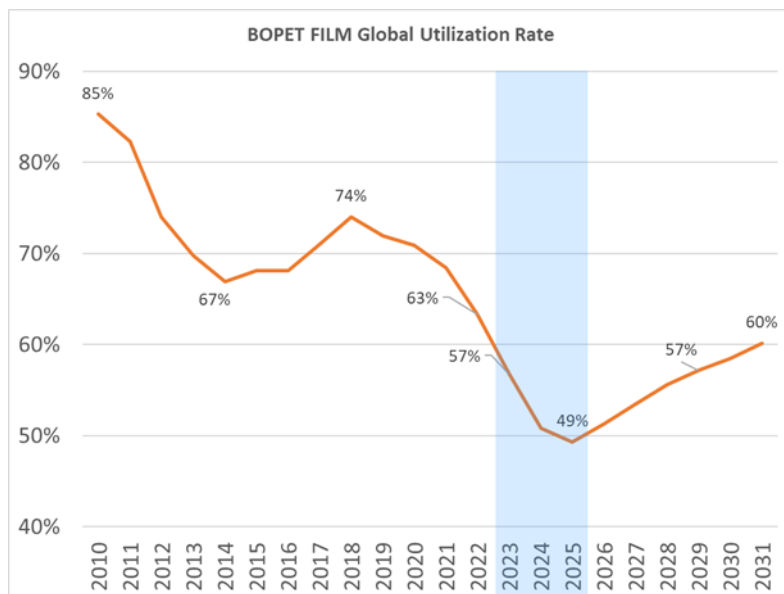
Waste
Reduction

Food
Protection

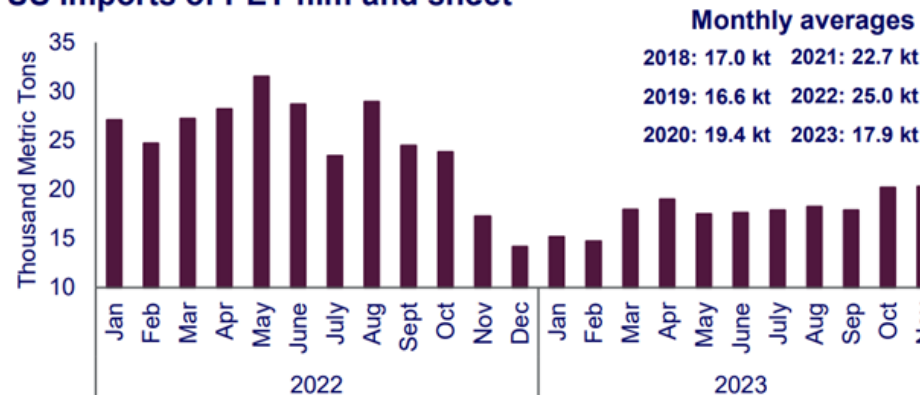


Terphane Business Update

Global Capacity and Demand Harming Film industry



US imports of PET film and sheet



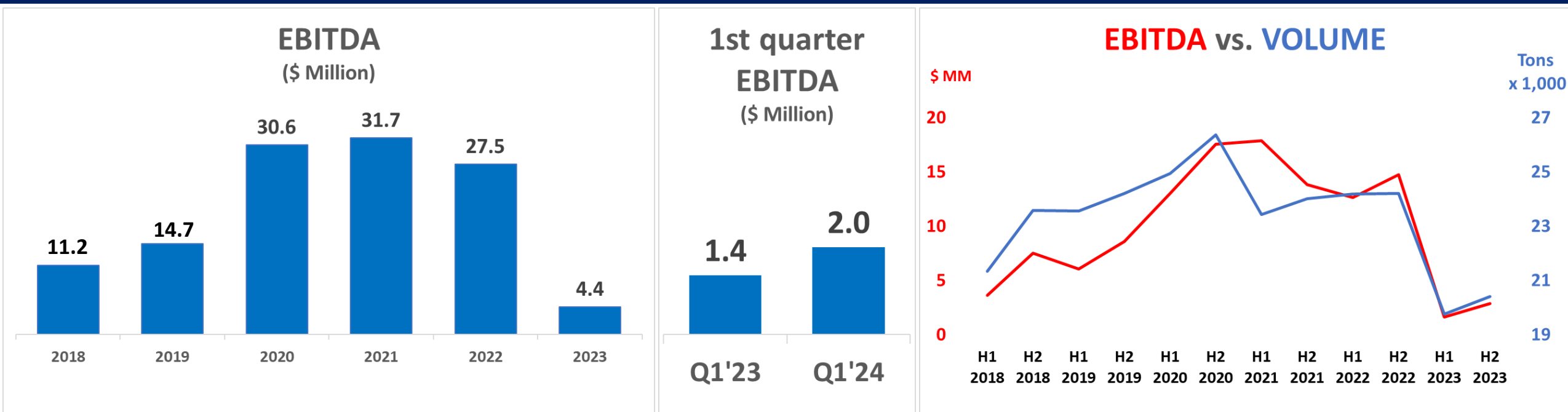
Note: Around 90% of US imports are estimated to be film and 10% sheet.
Source: Global Trade Tracker (HS 392062), Wood Mackenzie Chemicals

After delivering the 3 best years of Terphane results, EBITDA margin dropped significantly since 2023 due to LOWER SALES VOLUMES and PRICING POWER

- **New massive wave of capacity investments is ongoing with additional start-ups over next few years. Market to face utilization rate below 50% by 2025-2026**
- **In most markets, 2023 demand weakened after higher consumption during the pandemic. This is aligned with inventory correction due to a normalized supply chain**

Terphane Business Update

Financial Results



- 2023 EBITDA erosion by \$23.1 million: \$9.7 million lower sales and \$11.7 million lower pricing power and mix. Nevertheless \$18 million cash generation from business working capital improvement over 2022 year-end supported Tredegar's cash needs for the year.
- Q1 2024 EBITDA 45% higher than PY. Continue to improve EBITDA and cash generation. Challenging Plan targets for 2024 to be delivered, while difficult market to stay for 2-3 years.

Terphane Business Update

Short term mitigation tactics

- ❑ Maintain safety performance improvement
- ❑ Defend our market presence in the US, Brazil, Latin America and Europe
- ❑ Continue to improve US Plant performance with urgency; certain technical equipment reliability issues set us back too much
- ❑ Cost contingency on fixed and variable costs and one-off agreements with suppliers
- ❑ Scale up new products with higher contribution margin
- ❑ Maintain working capital under control to support liquidity
- ❑ Aim for regulatory approvals of Terphane sale and then implement unplugging action plan
- ❑ **Mission critical: keep the team fired up with strong customer focus**

Terphane Business Update

In the meantime, we continue our strategic value-added path ...

Few examples:

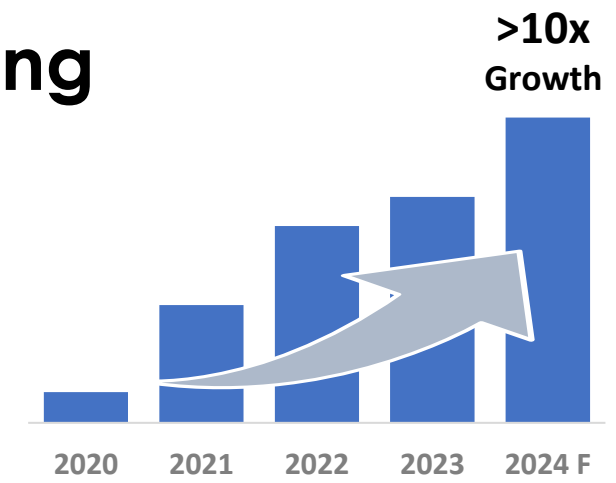
VMAT Films



Velvet touch film for prestigious packaging

'PET for Pet'

Continued growth



Several times higher contribution margin versus standard film

Terphane Business Update

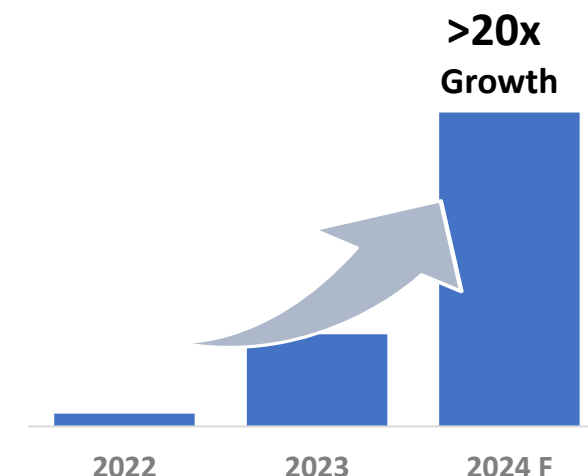
In the meantime, we continue our strategic value-added path ...

Few examples:

RESEALPHANE



- Patented solution
- More convenience to consumers, less complexity to converters, less plastic
- Huge potential market replacing clamshells and current laminations



Several times higher contribution margin versus standard film

Terphane Business Update

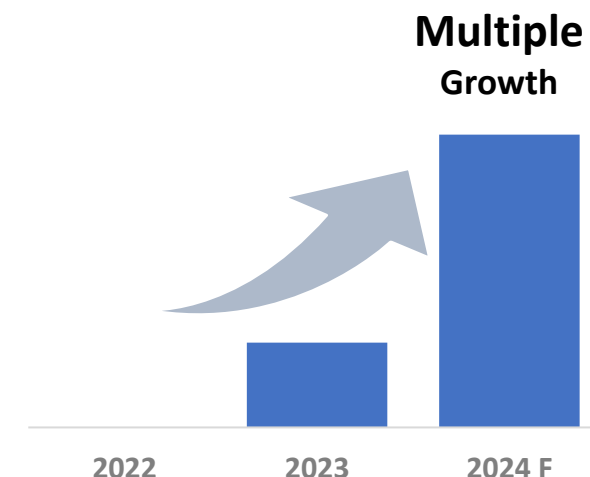
In the meantime, we continue our strategic value-added path ...

Few examples:

“a Terphane Film”



- Specialty film used for energy transition / electrification applications (under NDA agreements)
- New market with strong momentum for Terphane



Several times higher
contribution margin
versus standard film

Terphane Business Update

Continued focus on the long-term sustainability of the packaging industry

Long term INNOVATION

New BOPEF film



1

Terphane began evaluating the use of a newly developed plant-based polymer (PEF) from Avantium for thin film development in 2017, leading to an exclusive agreement in 2020 to develop thin films in the Americas

2

First PEF flagship plant to be commissioned in the Netherlands by 2025, enabling commercial resin supply to Terphane. Packaging film application being developed with specific Terphane customers

3

Aim to developed more sustainable films, with Lower Carbon Footprint (GHG Reduction) 100% made from renewable plant-based sources

4

Films chemically compatible with PET with same technical advantages, and Recyclable at the same infrastructure of PET recycling

5

Superior Oxygen and Water barrier properties for higher product shelf life enabling Terphane to reach new markets and applications

Questions

