

# **UNION PACIFIC CORPORATION**



February 2023

### **Cautionary Information**

This presentation and related materials contain statements about the Company's future that are not statements of historical fact, including specifically the statements regarding the Company's expectations with respect to economic conditions and demand levels, its ability to improve network performance (including those in response to increased traffic), its results of operations, and potential impacts of public health crises, including the outbreak of pandemic or contagious disease, such as COVID, and the Russian-Ukraine conflict. These statements are, or will be, forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. Forward-looking statements also generally include, without limitation, information or statements regarding: projections, predictions, expectations, estimates or forecasts as to the Company's and its subsidiaries' business, financial, and operational results, and future economic performance; and management's beliefs, expectations, goals, and objectives and other similar expressions concerning matters that are not historical facts.

Forward-looking statements should not be read as a guarantee of future performance or results, and will not necessarily be accurate indications of the times that, or by which, such performance or results will be achieved. Forward-looking information, including expectations regarding operational and financial improvements and the Company's future performance or results are subject to risks and uncertainties that could cause actual performance or results to differ materially from those expressed in the statement. Important factors, including risk factors, could affect the Company's and its subsidiaries' future results and could cause those results or other outcomes to differ materially from those expressed or implied in the forward-looking statements. Information regarding risk factors and other cautionary information are available in the Company's Annual Report on Form 10-K for 2022, which was filed with the SEC on February 10, 2023. The Company updates information regarding risk factors if circumstances require such updates in its periodic reports on Form 10-Q and its subsequent Annual Reports on Form 10-K (or such other reports that may be filed with the SEC).

Forward-looking statements speak only as of, and are based only upon information available on, the date the statements were made. The Company assumes no obligation to update forward-looking information to reflect actual results, changes in assumptions or changes in other factors affecting forward-looking information. If the Company does update one or more forward-looking statements, no inference should be drawn that the Company will make additional updates with respect thereto or with respect to other forward-looking statements. References to our website are provided for convenience and, therefore, information on or available through the website is not, and should not be deemed to be, incorporated by reference herein.

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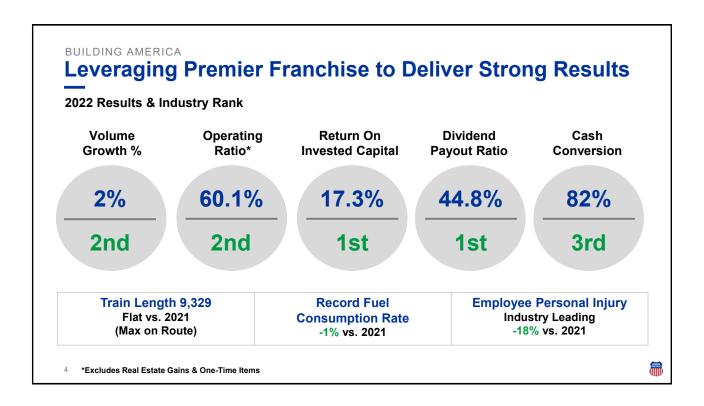
#### **BUILDING AMERICA**

### **Union Pacific Investor PitchBook**

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2022 Fast Facts:			
Operating Revenue	\$ 24.9 B		
Employees	33,179		
Comp & Benefits	\$ 4.6 B		
Customers	~10,000		
Locomotives	7,338		
Route Miles	32,534		
Bridges	16,400		
Tunnels	290		











# Derailment Prevention to Keep Safe, Reliable Service

- Approximately 7,000 wayside detection devices monitor the condition of freight cars & locomotives in real time
  - More than 16 million data points generated every day
  - Consist of electronic sensors installed along the tracks used to measure strain, temperature, acoustic signature and dimensions
  - Measured components include brakes, wheels, trucks and braking systems



**UP Wayside Detector Locations** 



### Types of Wayside Detectors:

- Hot Box Detectors
- Wheel Temperature Detectors
- Acoustic Bearing Detectors
- Wheel Impact Detectors
- · Wheel Profile Detectors
- Machine Vison Systems

SERVE - OPERATIONS OVERVIEW

### **Five Key Railroad Resources**









Line Capacity

Terminal Capacity

Locomotives

People

**Freight Cars** 



KEY RESOURCE: PEOPLE

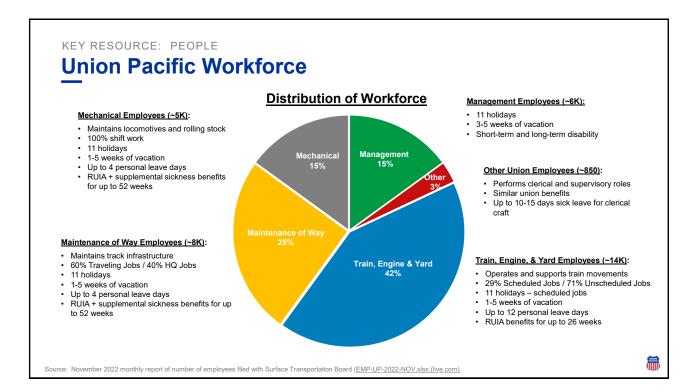
### Train, Engine & Yard Employees

TE&Y Employees	2022 Full-Year	2023 YTD*
Training Graduates	~ 1,300	~ 120
Training Pipeline		~ 640

<sup>\*</sup> Through February 3, 2023

- Aggressive Hiring Program
  - Innovative Recruiting
  - Hiring Incentives
  - Employee Referral Program
- Quality of Life Improvement





KEY RESOURCE: LOCOMOTIVES

# **Improving Reliability and Reducing Emissions**

### Union Pacific and Wabtec Agree to New Locomotive Modernization Deal

- Wabtec will modernize 600 locomotives
  - Agreement for more than \$1 Billion
- Deliveries of modernized locomotives will start in 2023 until completion in 2025
- Once modernized, each locomotive is expected to:
  - Reduce carbon emission by 350 tons per year
  - Improve fuel efficiency by 18%
  - Increase reliability by more than 80%
  - Increase haulage ability by more than 55%



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SERVE - OPERATIONS OVERVIEW

### **Technology-Driven Growth, Efficiency & Productivity**



**Mobile NX** 



Automated Rail Unloading



Precision Gate Technology



Automated Wheel Change Out

SERVE - OPERATIONS OVERVIEW

# **Driving Productivity By Expanding Terminal Automation**

### Mobile Terminal + Mobile NX

 Integrated work list inventory management and switch alignment for terminal classification process

### Handheld Clicker

 Peripheral for the Zebra device to improve efficiency and environmental concerns for list/route advancement

### Smart Display Panel

55" outdoor smart display for real-time visual feedback







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SERVE - OPERATIONS OVERVIEW

### **Engineering Automation & Technology**

### Wood Tie Unloading





Semi Autonomous Track Inspections



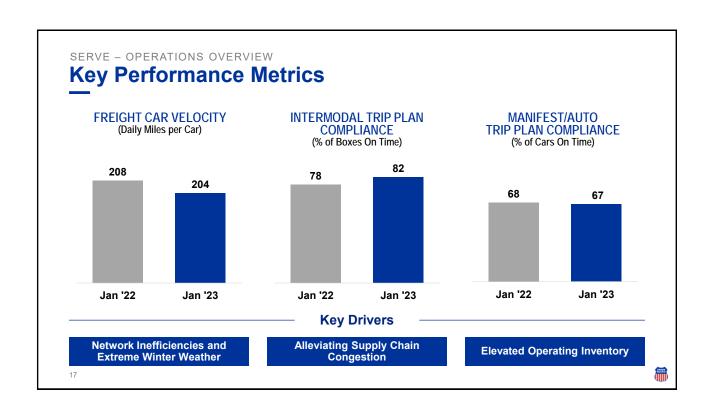


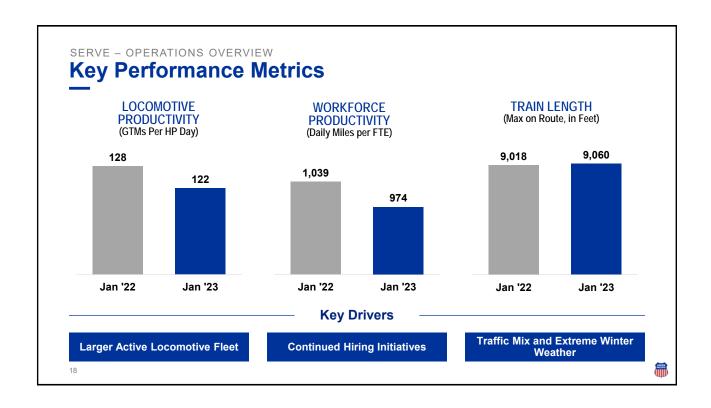


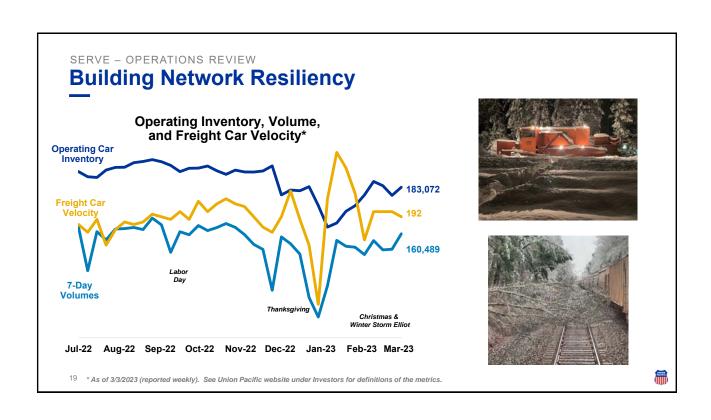
Tie Plate Distribution



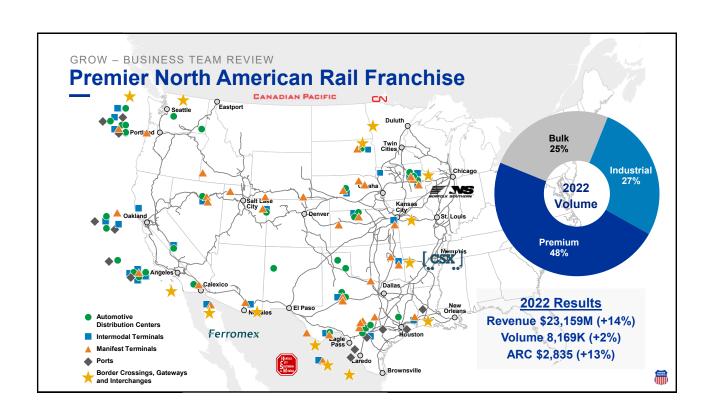












GROW - BUSINESS TEAM REVIEW

# Pricing Fundamentals

- Lower cost structure from PSR allows UP to be more competitive in the market
- Balanced portfolio provides flexibility for repricing as value grows
- Price to market and service value
  - Committed to achieving pricing dollars in excess of inflation dollars

Balanced Revenue Portfolio

Contracts
>1 Year
45%
Contracts
< 1 Year
30%

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GROW - BUSINESS TEAM REVIEW

### **Economic Indicators**









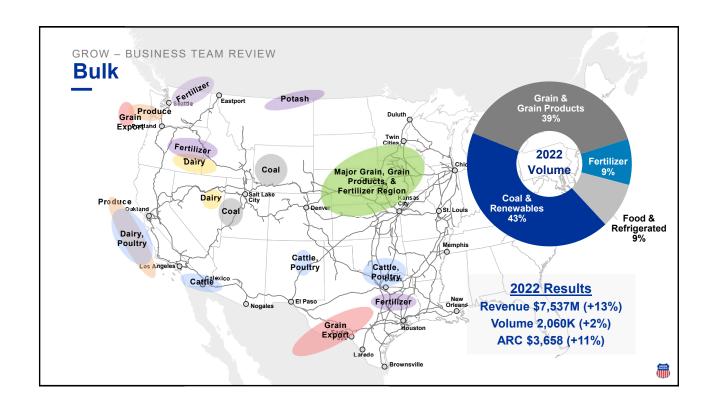


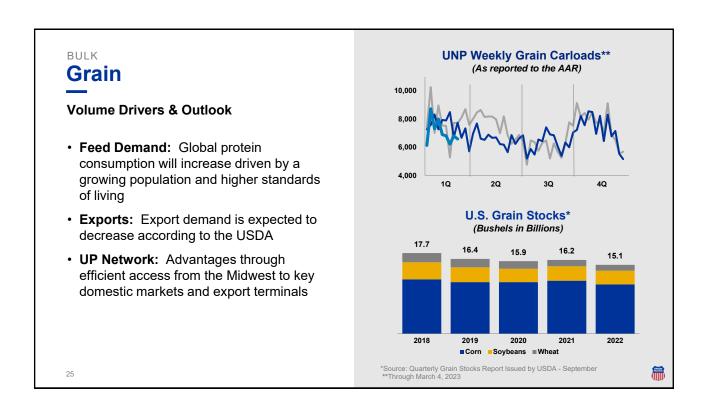


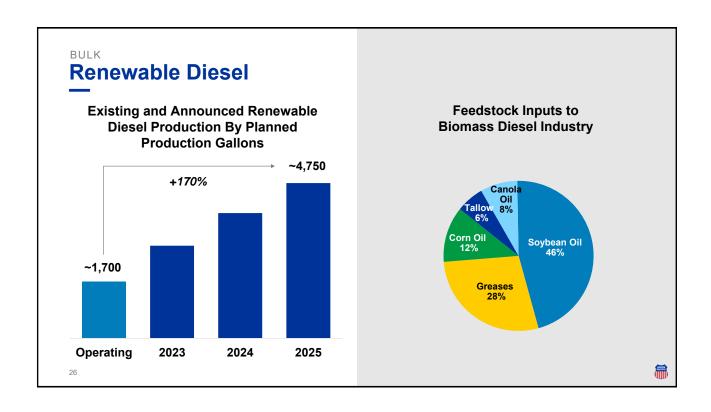
	Industrial Production	GDP	Housing Starts (MM)	Light Vehicle Sales (MM)	Imports of Goods	Exports of Goods
2022	3.9%	2.1%	1.56	13.8	8.1%	7.2%
2023	(1.7%)	0.7%	1.18	14.8	(3.0%)	3.9%
2024	0.7%	1.6	1.25	15.9	2.6%	5.8%

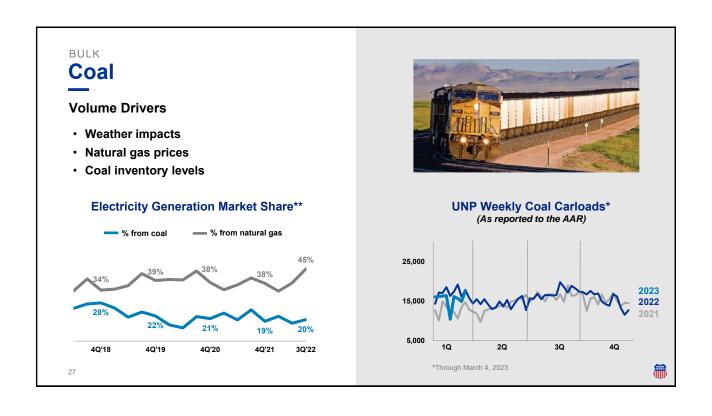
Source: IHS Markit U.S. Economic Outlook, February 2023

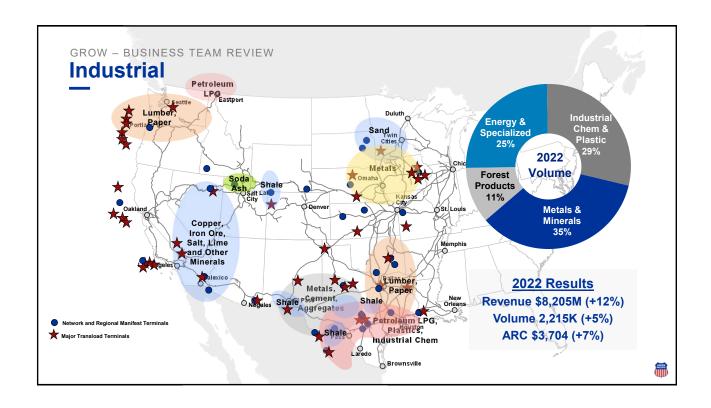


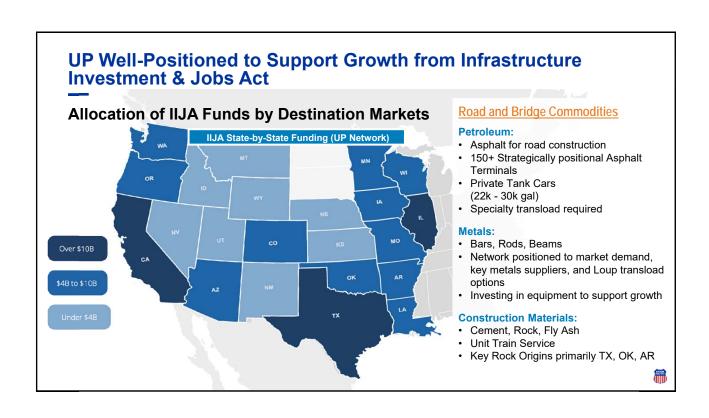












# Strong Franchise to Support Plastics Growth • \$220 billion planned per investment • Industry lear rail transport — Compreh offerings — Expansive (SIT) — Dallas to solution for Export — Team deceplastics is

- \$220 billion completed and planned petrochemical investment in Gulf
- Industry leader in plastics rail transportation
  - Comprehensive product offerings & service excellence
  - Expansive Storage in Transit (SIT)
  - Dallas to Dock service solution for export optionality
  - Team dedicated to supporting plastics sustainability



# UNP Metallic Ores & Metals Carloads\* (As reported to the AAR) 55,000 45,000

2020

2021

2019

 $^{\star}\text{Quarterly}$  results shown as based on AAR weekly reported carloading data through 4Q 2022 (Week 52)

35.000

2017

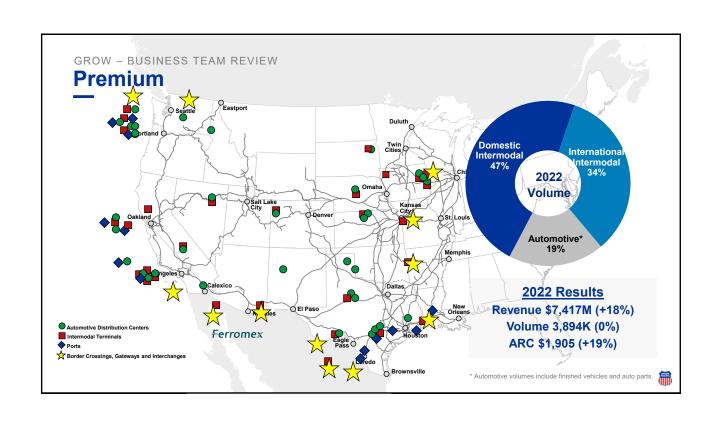
- UP metals markets positioned for growth
  New, efficient production locating on UP
- Growth from pipeline projects driven by high energy prices
- · Investing in freight cars to support growth

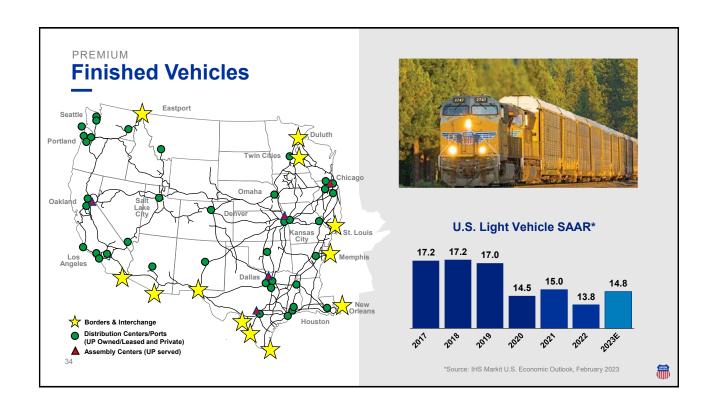


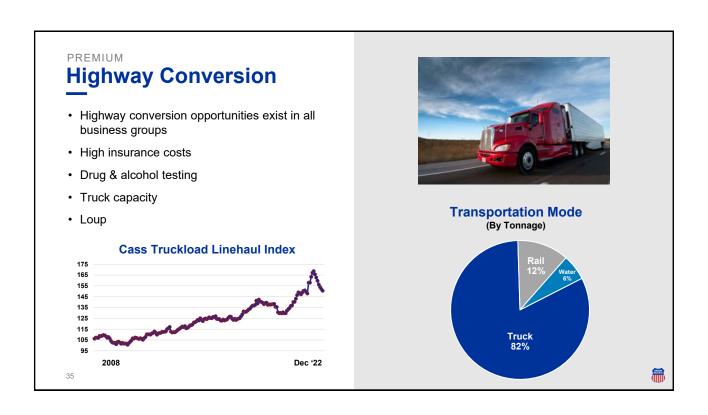
# Housing Trends

- UP lumber, stone & glass business correlates with housing starts
- Housing also drives appliances, roofing, rebar, aggregates, and cement demand
- Housing related shipments represent ~5 % of current UP volumes









PREMIUM

## **Growing with Intent**

### A Tale of Two Opportunities



Twin Cities Intermodal Terminal
Twin Cities, Minnesota



Inland Empire Intermodal Terminal Colton, California

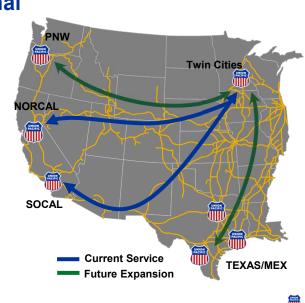
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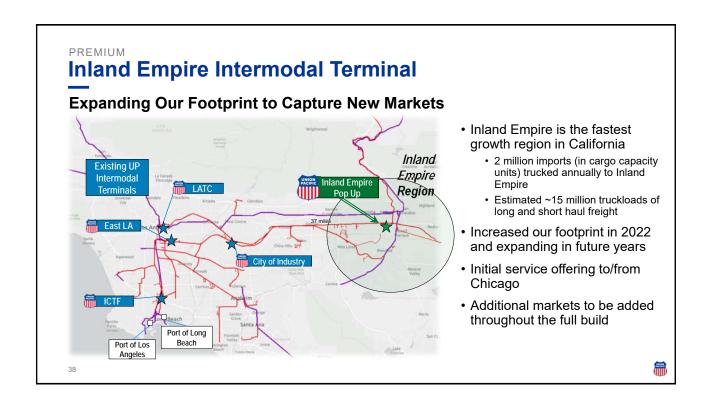


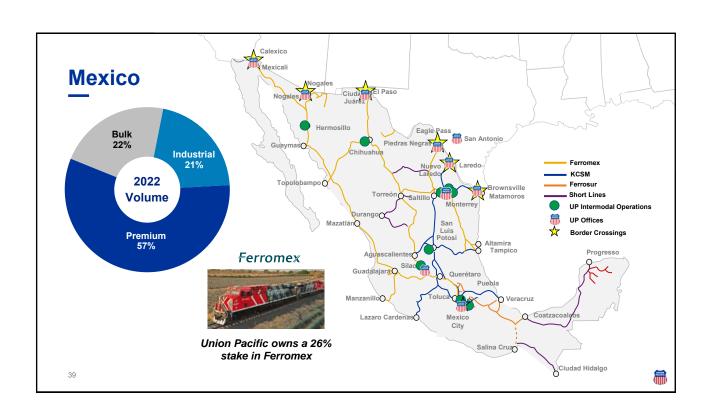
# Twin Cities Intermodal Terminal

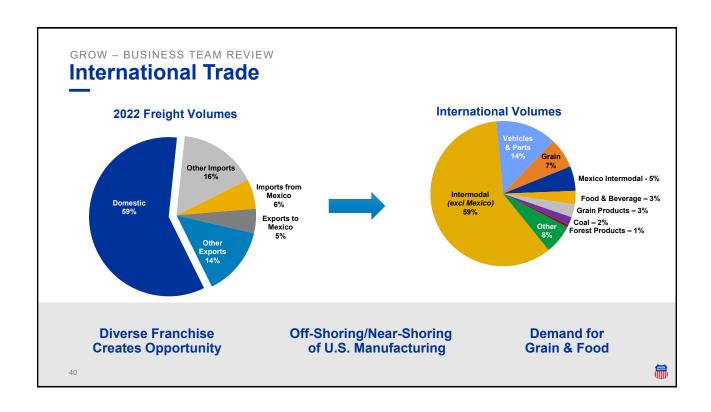
### **Expanding Market Reach for Growth**

- Opened pop-up Twin Cities Intermodal Terminal in January 2021
- Located in heart of the Twin Cities metropolitan area
- Gives customers in the Twin Cities metro efficient access to Union Pacific's intermodal network
- Capable of 100,000 annual lifts











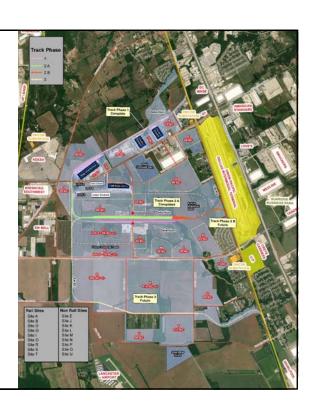


GROW - BUSINESS TEAM REVIEW

### **Prime Pointe Industrial Park**

### **Hutchins, TX (12 miles south of Dallas)**

- 3,000-acre site for premier rail service
- Close proximity to Interstates 45, 20, 30 and 35
- Adjacent to UP's Dallas Intermodal Terminal
- Rail-served sites for manufacturing and distribution along with refrigerated/cold storage
- Shovel ready sites increasing customers speed to market



GROW - BUSINESS TEAM REVIEW

### **Global IV Grain Transload**

- Union Pacific grain facility operated by JCT, 50/50 joint venture between Consolidated Grain and Barge and Gavilon Grain
- Competitive Joliet area transload with on site containerization
- Converting empty containers to loaded westbound exports from Chicago
- Aligns international service product to be more competitive







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GROW - BUSINESS TEAM REVIEW

### **2023 Volume Outlook**

### Bulk



- Grain
- Coal
- Biofuels

### Industrial



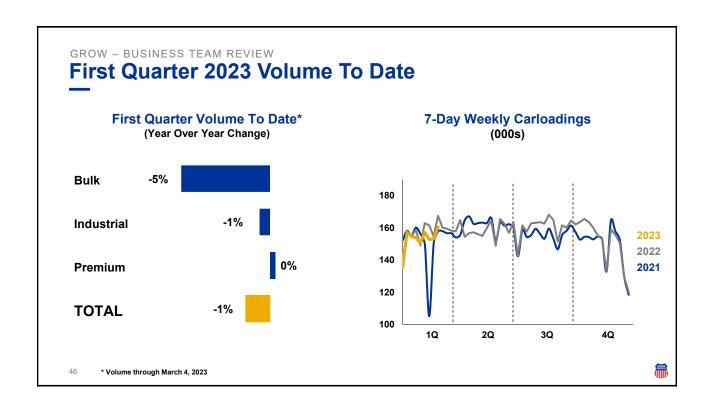
- Industrial Production
- Forest Products
- H Metals

### **Premium**

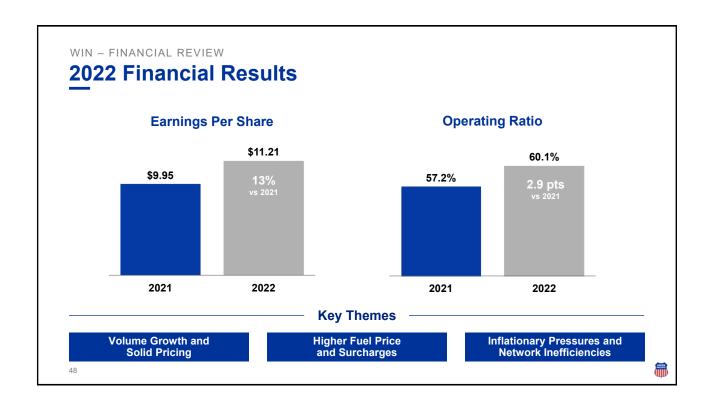


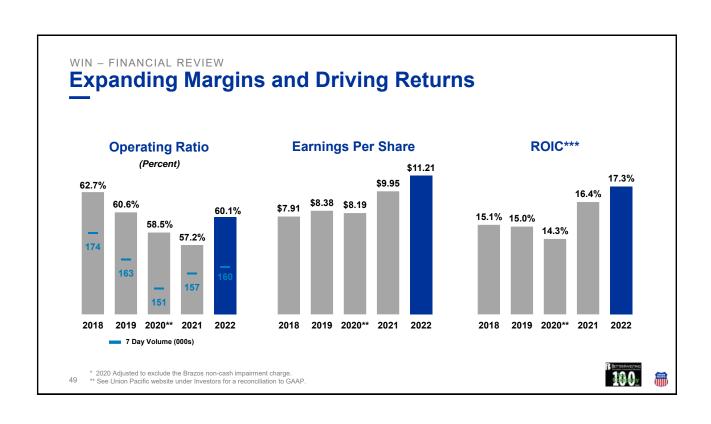
- Domestic Intermodal
- International Intermodal
- Automotive

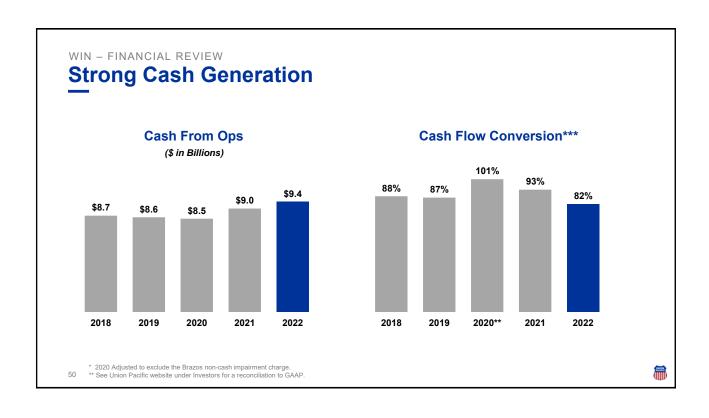


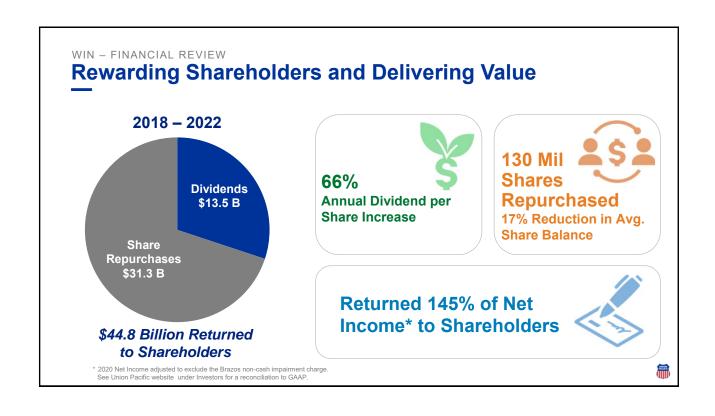










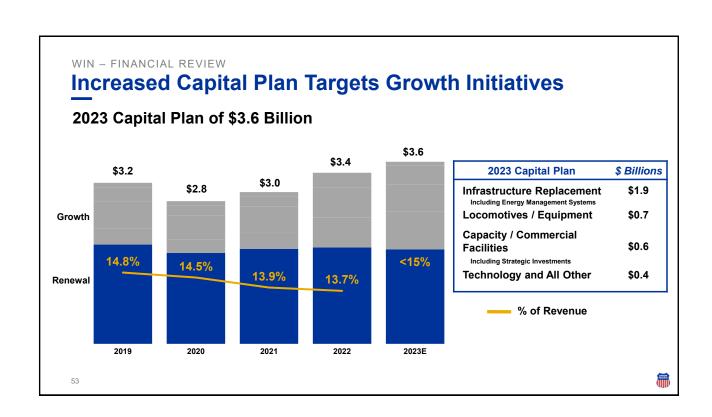


### WIN - FINANCIAL REVIEW

### 2023 Guidance

- Full Year Carloads to Exceed Industrial Production
  - Current Industrial Production Forecast: -0.5%
- Full Year Operating Ratio Improvement
- Pricing Dollars in Excess of Inflation Dollars
- Capital Allocation:
  - Capital Spending Less than 15% of Revenue
    - · Capital Plan of \$3.6 Billion
  - Long Term Dividend Payout Target of ~45% of Earnings
  - Excess Cash to Share Repurchases





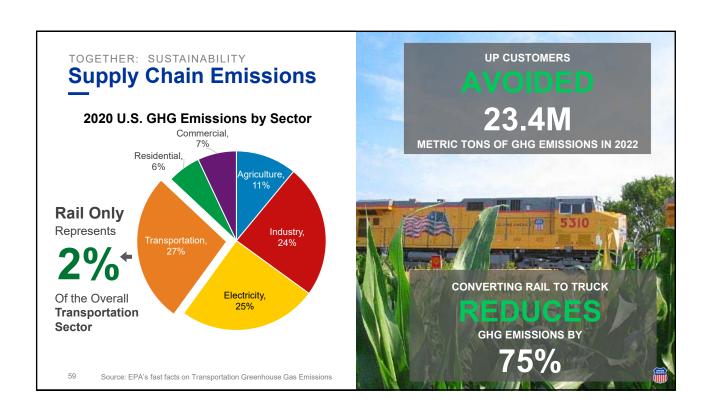




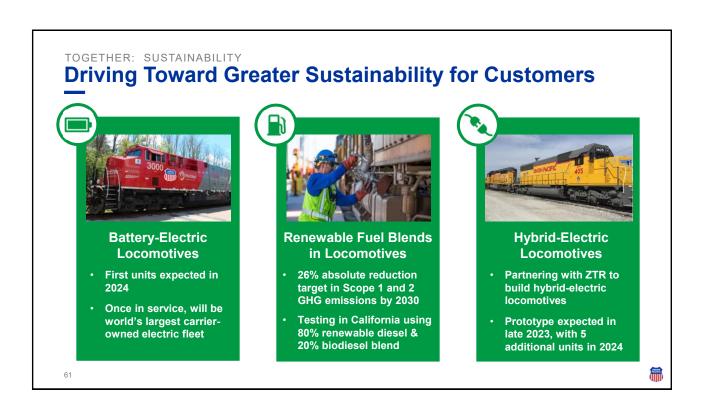


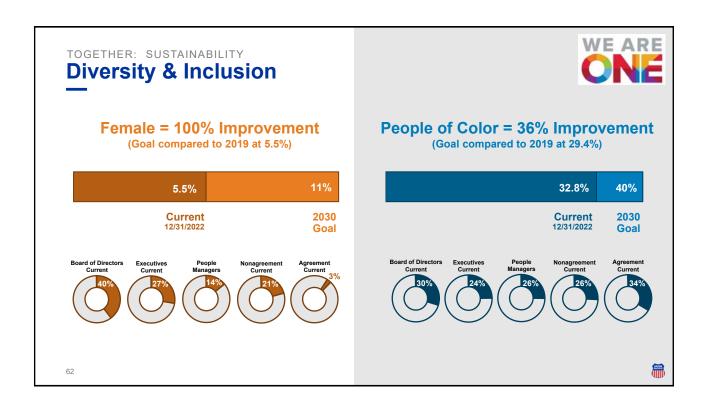












TOGETHER: SUSTAINABILITY

# **Expanding Educational Opportunities**

- Innovative partnership with the University of Nebraska at Omaha
- Reimburse employees 100% of tuition\* for classes to earn an undergraduate or graduate degree, or a certification program directly related to the employee's job



\*Up to a maximum of \$5,250 per calendar year



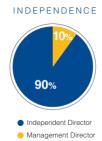


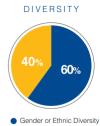


TOGETHER: SUSTAINABILITY

# **Board Composition and Governance Highlights**







- Commitment to Board Refreshment
- Average Board Tenure of 5.8 Years
- Active Lead Independent Director
- Board Strategic Oversight and Review of Enterprise Risk Management
- Four Fully Independent Board Committees

