

# **UNION PACIFIC CORPORATION**



June 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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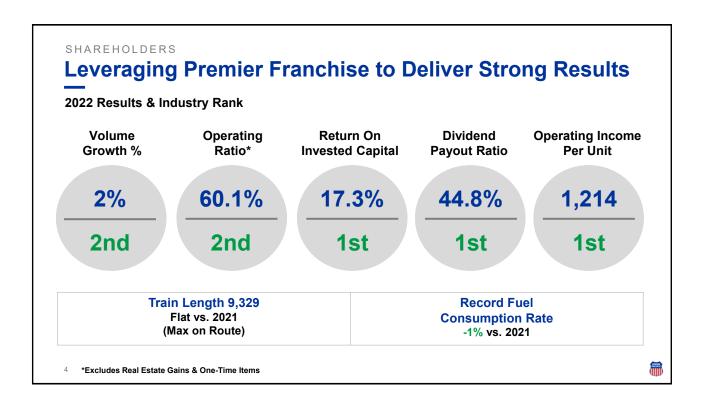


#### **BUILDING AMERICA**

#### **Union Pacific Investor PitchBook**

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# **Rail – Safest Freight Transportation**

- Lower employee injury rates than most major industries - trucking, airlines, mining, even grocery stores
  - Rails have reduced employee casualty rates by 63% since 2000, and 15% since 2013
- More than 99.9% of hazmat shipments arrive safely
- 16X more fatalities in road-related hazardous materials incidents vs rail from 1975 – 2021
- · Rails prioritize safety
  - Invested more than \$260K per mile of track on network improvements, or ~\$760B over the last 20 years
  - Wayside Detectors Installation, Al and Machine Learning Utilization, Automated Car & Track Inspection
  - Positive Train Control

# **March Toward Zero Safety Incidents**

- · Rail is the safest way to move freight over land
- Derailment prevention initiatives are fundamental to safe train operations at Union Pacific
  - State-of-the-art technology
  - Operating Practices Command Center
  - More than 7,000 wayside detection devices
- In March, the industry announced a set of key steps in our drive towards zero accidents
  - Wayside Detectors Spacing, Thresholds and Shared Trending Analysis
  - First Responder Training



#### **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



KEY RESOURCE: PEOPLE

# **Train, Engine & Yard Employees**

TE&Y Employees	2022 Full-Year	2023 YTD*	
Training Graduates	~ 1,300	768	
Training Pipeline		1,176	

\* Through May 26, 2023

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



KEY RESOURCE: PEOPLE

## **Union Pacific Workforce Distribution**

#### Mechanical (~5K):



- Maintains locomotives and rolling
- stock 100% shift work
- 11 holidays 1-5 weeks of vacation
- Up to 3 personal leave days RUIA + supplemental sickness benefits for up to 52 weeks

#### Train, Engine, & Yard (~14K):



- Operates and supports train movements
- 29% Scheduled Jobs / 71% Unscheduled Jobs
- 11 holidays scheduled jobs
- 1-5 weeks of vacation
- Up to 12 personal leave days
- · RUIA benefits for up to 26 weeks

# Mechanical 15% Management 15% Train, Engine & Yard 42%

#### Management (~6K):



- 11 holidays3-5 weeks of vacation
- Short-term and long-term disability

#### Other Union (~850):



- Performs clerical and supervisory roles
- Similar union benefits
- Up to 10-15 days sick leave for clerical craft

#### Maintenance of Way (~8K):



- Maintains track infrastructure 60% Traveling Jobs / 40%
- HQ Jobs 11 holidays
- 1-5 weeks of vacation
- Up to 4 personal leave days
- RUIA + supplemental sickness benefits for up to 52



Source: November 2022 monthly report of number of employees filed with Surface Transportation Board (EMP-UP-2022-NOV:xisx (live.com).

KEY RESOURCE: PEOPLE

## **Paid Sick Leave Agreements Enhance Workforce Quality of Life**

- Effective April 1, 2023, Union Pacific will provide craft professionals access to up to seven paid sick days
  - Will receive four paid sick days annually with the ability to convert up to three paid leave days for use as paid sick days
  - All Union Pacific employees receive paid personal days off
- New and existing agreements represent 12 out of 13 unions and just under half of Union Pacific's craft professionals
  - Negotiations with the remaining operating union is ongoing
- · Union Pacific is committed to finding win-win solutions that enable a strong service product and provide our workforce with an enhanced quality of life



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

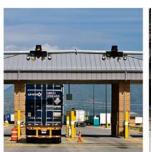
# **Technology-Driven Growth, Efficiency & Productivity**



**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



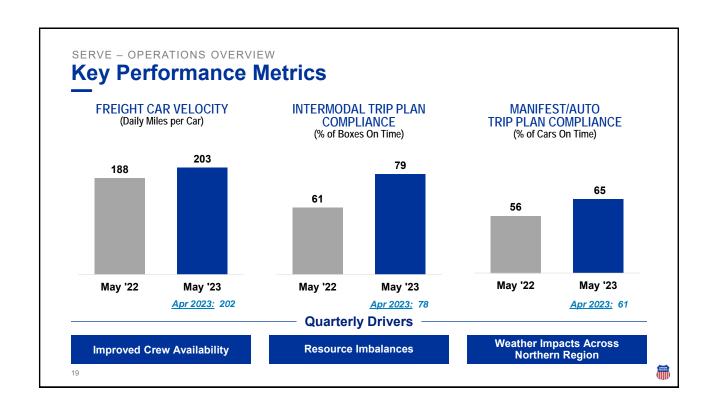


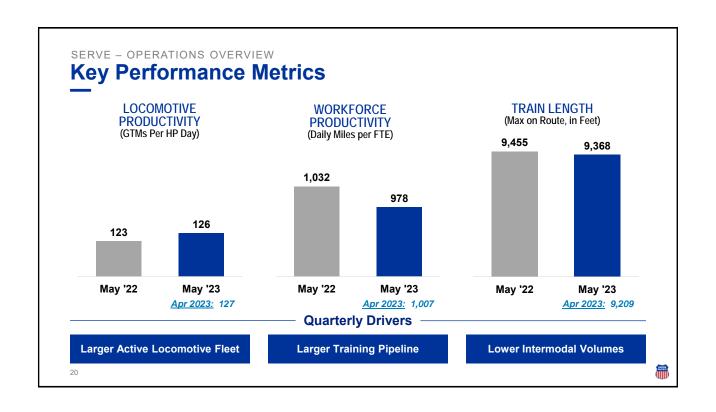


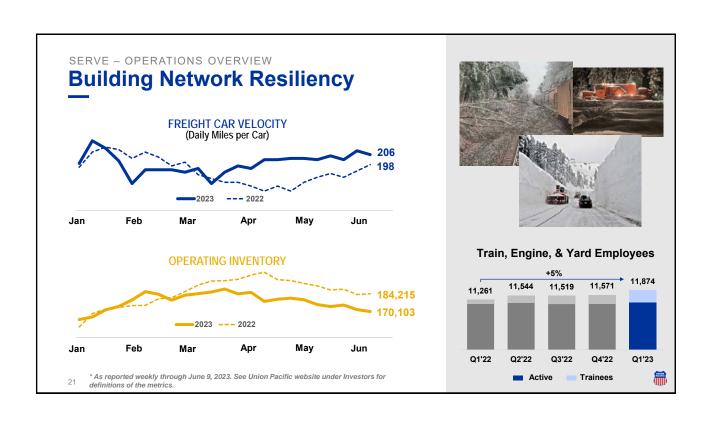
Tie Plate Distribution



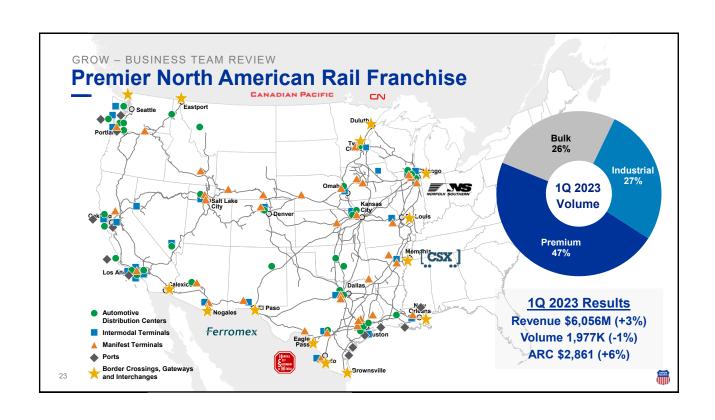












GROW - BUSINESS TEAM REVIEW

# **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**









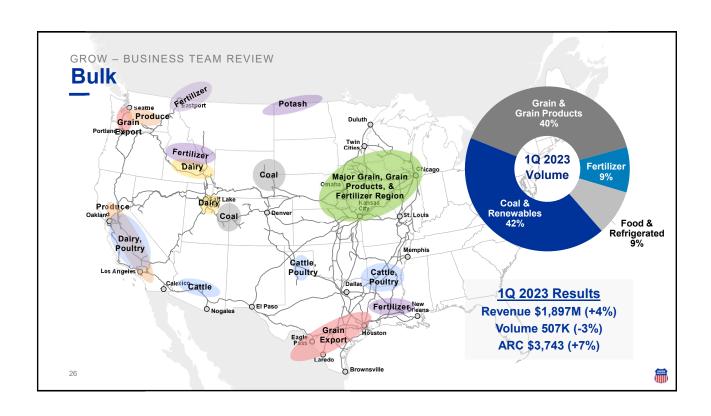


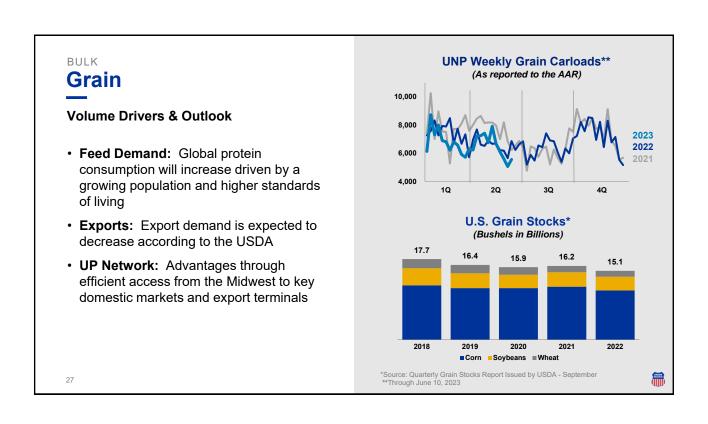


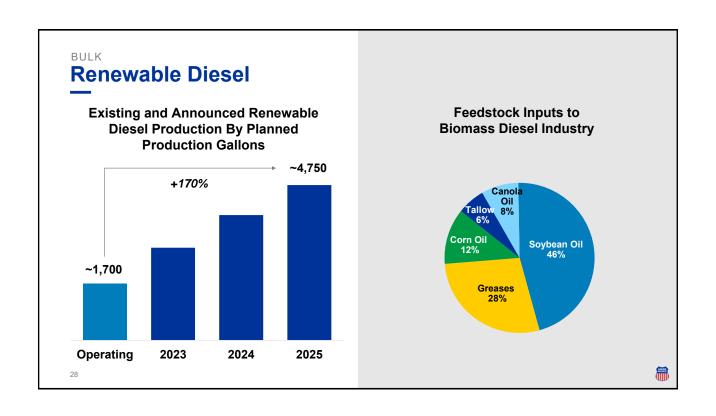
	Industrial Production	GDP	Housing Starts (MM)	Light Vehicle Sales (MM)	Imports of Goods	Exports of Goods
2022	3.4%	2.1%	1.55	13.8	8.1%	7.1%
2023	(0.2%)	1.5%	1.36	15.1	0.4%	3.3%
2024	(0.3%)	1.3%	1.33	15.7	2.9%	4.3%

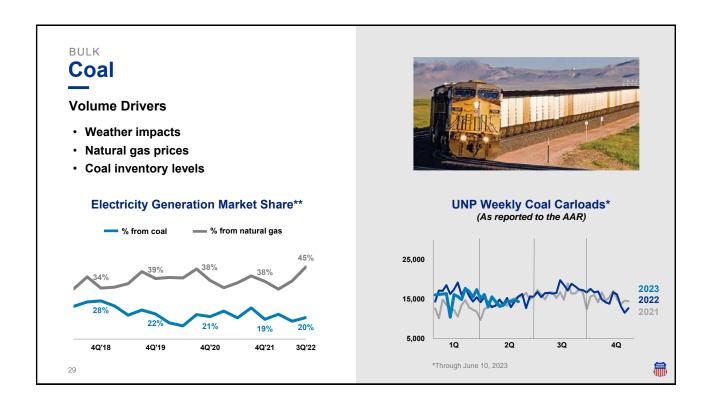
5 Source: IHS Markit U.S. Economic Outlook, June 2023

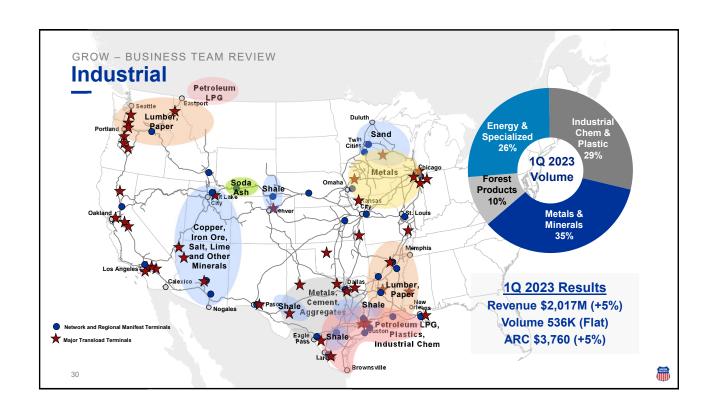


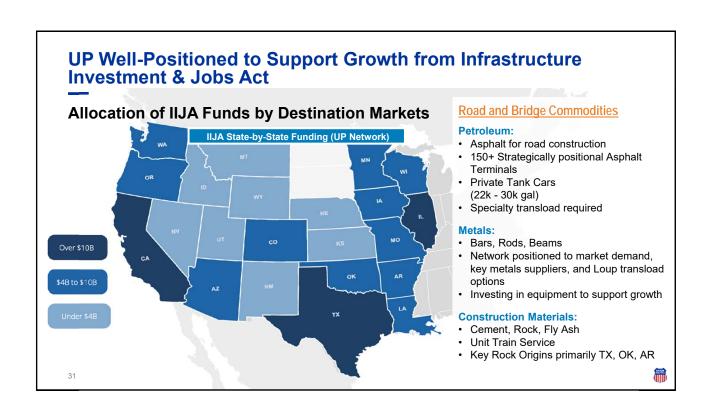












# Strong Franchise to Support Plastics Growth S220 billion planned per investment Industry lear rail transport Corpus Christi Future Expansions 2017-2022 Expansions UP SIT Facility S220 billion planned per investment Industry lear rail transport Compreh offerings Expansive (SIT) Dallas to solution for solution for the solution for the

INDUSTRIAL

- \$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) 50,000 45,000 35,000

32 \*Source: American Chemistry Council, 2022

\*Quarterly results shown as based on AAR weekly reported carloading data through 1Q 2023 (Week 13)

2019

2018

2020



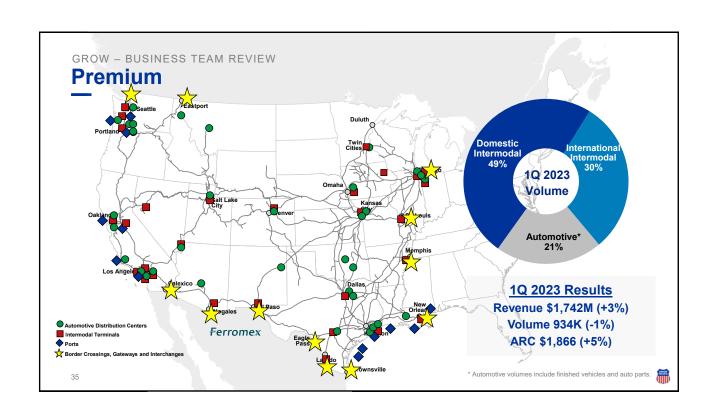
- · UP metals markets positioned for growth
- New, efficient production locating on UP
- Growth from pipeline projects driven by high energy prices
- · Investing in freight cars to support growth

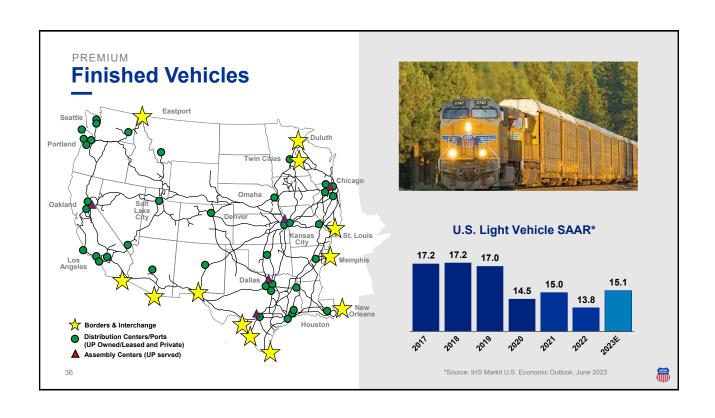


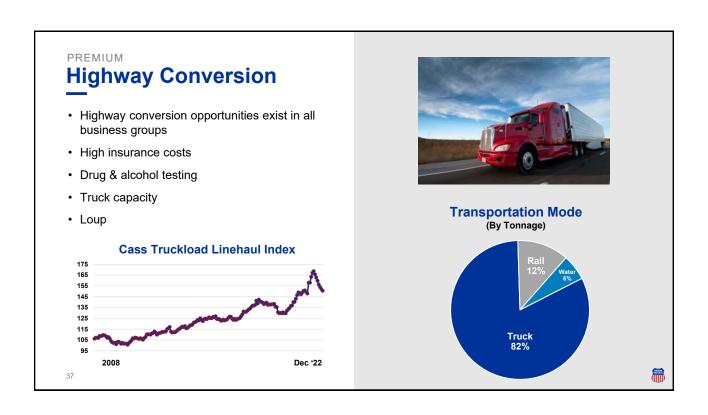
#### INDUSTRIAL **Housing Trends Lumber, Stone & Glass** Housing Starts (mils) **UNP Weekly** • UP lumber, stone & glass Carloadings\* business correlates with 10,000 1.8 housing starts Housing also drives appliances, 8,000 roofing, rebar, aggregates, and cement demand 6,000 Housing related shipments represent ~5 % of current UP 4,000 0.8 volumes 2,000 0.6 **'21** '22 **'23 '19 '20**

IHS Global Insight Forecast

\*Through June 10, 2023







# Falcon Premium Intermodal Service

- Seamless intermodal service solution between Canada-US-Mexico
  - Offered by Union Pacific, Canadian National & Grupo Mexico
- Designed to provide unparalleled speed to market and reliability
  - Benefit from the most direct route between Canada to Mexico
  - New schedules will improve delivery to market by an additional day
- Offers shippers opportunity to maximize lading weights in Canada and Mexico through a pure all-rail service
  - Limits drayage
  - Reduces greenhouse gas emissions

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# The fastest service between Canada, the U.S. Midwest, and Mexico



PREMIUM

# **Growing with Intent**

#### A Tale of Two Opportunities



Twin Cities Intermodal Terminal
Twin Cities, Minnesota



Inland Empire Intermodal Terminal Colton, California

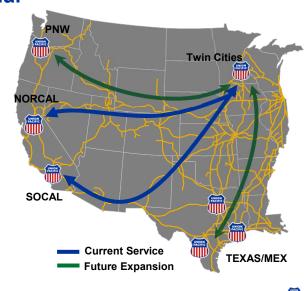


PREMIUM

#### **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



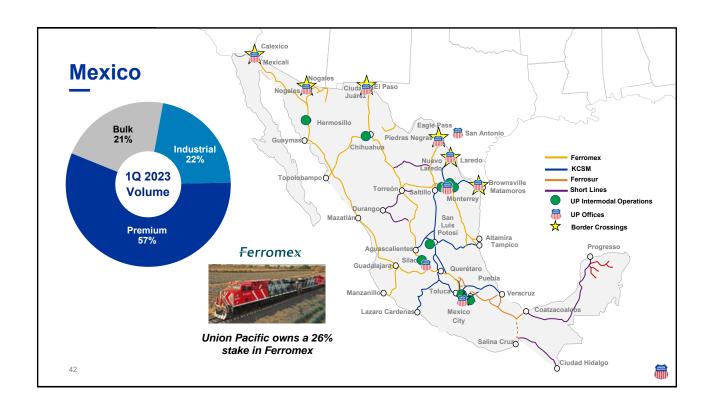
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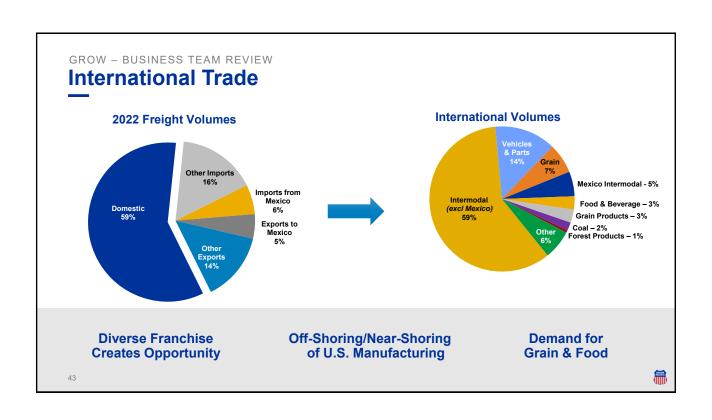
# Inland Empire Intermodal Terminal

#### **Expanding Our Footprint to Capture New Markets**



- Inland Empire is the fastest growth region in California
  - 2 million imports (in cargo capacity units) trucked annually to Inland Empire
  - Estimated ~15 million truckloads of long and short haul freight
- Increased our footprint in 2022 and expanding in future years
- Initial service offering to/from Chicago
- Additional markets to be added throughout the full build









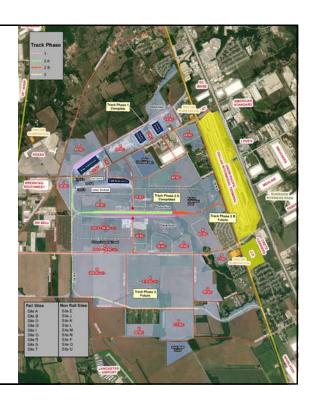


GROW - BUSINESS TEAM REVIEW

### **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



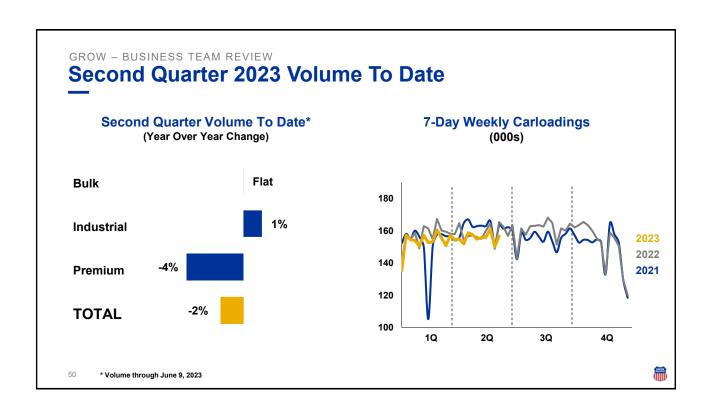
- Industrial Production
- Forest Products
- Metals
- Construction

#### **Premium**

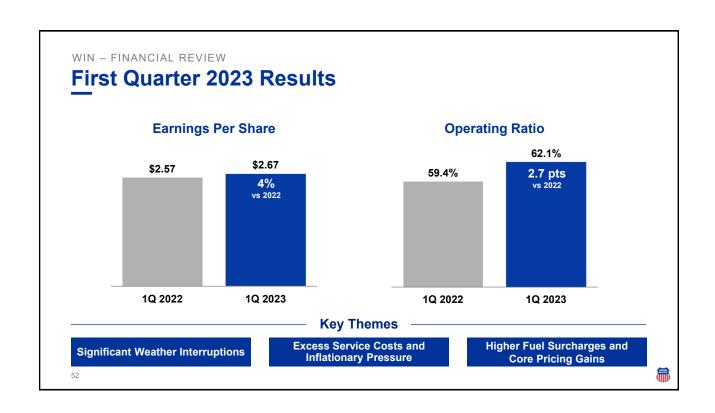


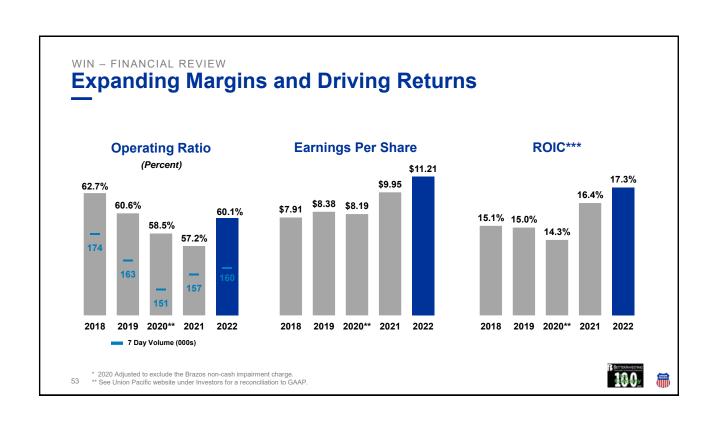
- Domestic Intermodal
- A International Intermodal
- Automotive

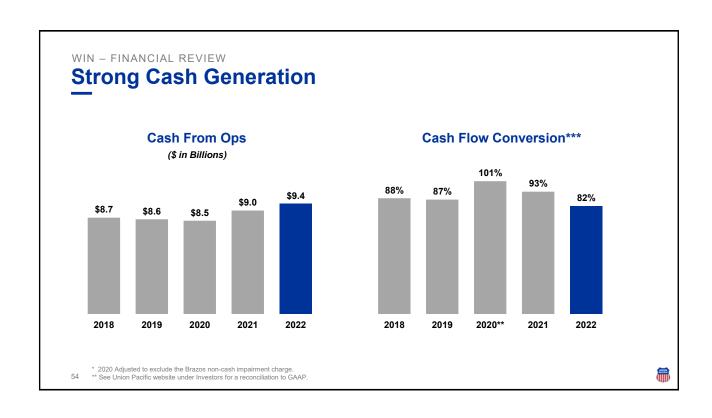


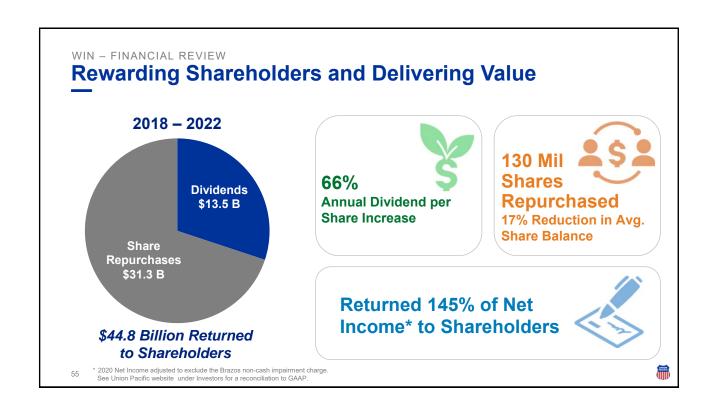


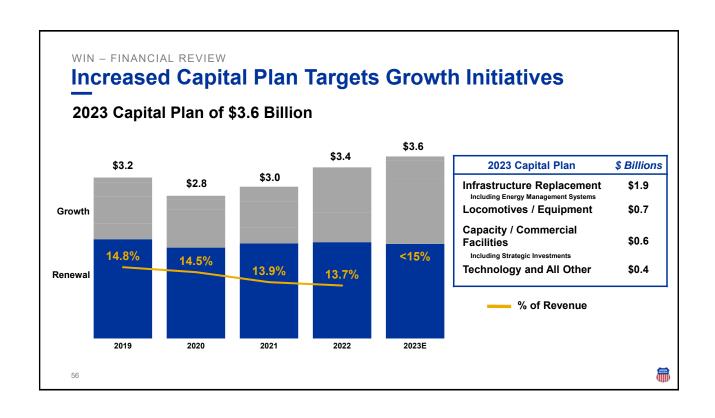














# **Driving Change in 2023, But Outlook Challenged**

- One-Time Items Impacting Second Quarter:
  - Brake person buyout payment of ~\$70 million (Pre-Tax)
    - 1.2 pt Headwind to Operating Ratio
  - Nebraska state income tax benefit of nearly \$75 million (After-Tax)
- Impact of new labor agreements results in Reported Full Year Operating Ratio likely exceeding 2022 levels.
- Affirming full year guidance for volume, price and capital allocation.

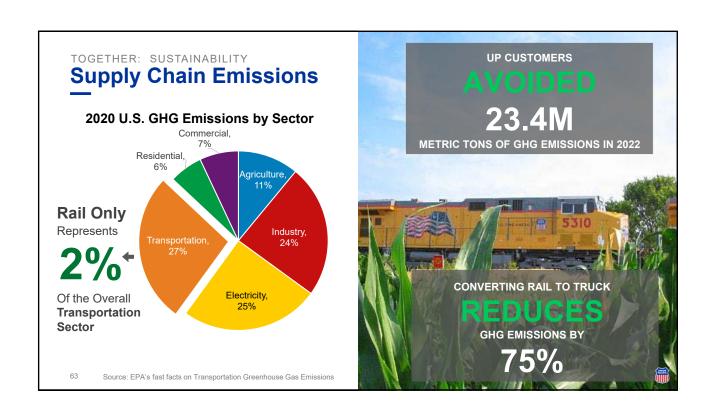






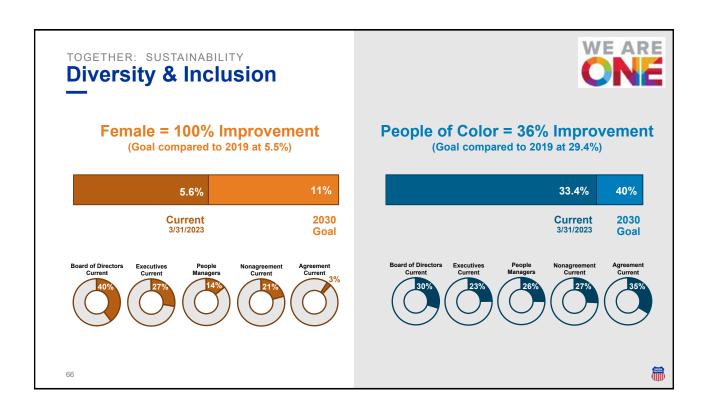












TOGETHER: SUSTAINABILITY

# **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



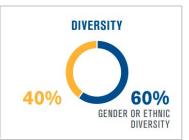




# **Board Composition and Governance Highlights**







- Commitment to Board Refreshment
- Average Board Tenure of 6.7 Years
- Active Lead Independent Director
- Board Strategic Oversight and Review of Enterprise Risk Management
- Four Fully Independent Board Committees