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February 27, 2009

Paul Hammes – VP & GM Agricultural Products Marketing & Sales



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## **America's Transportation Solution**

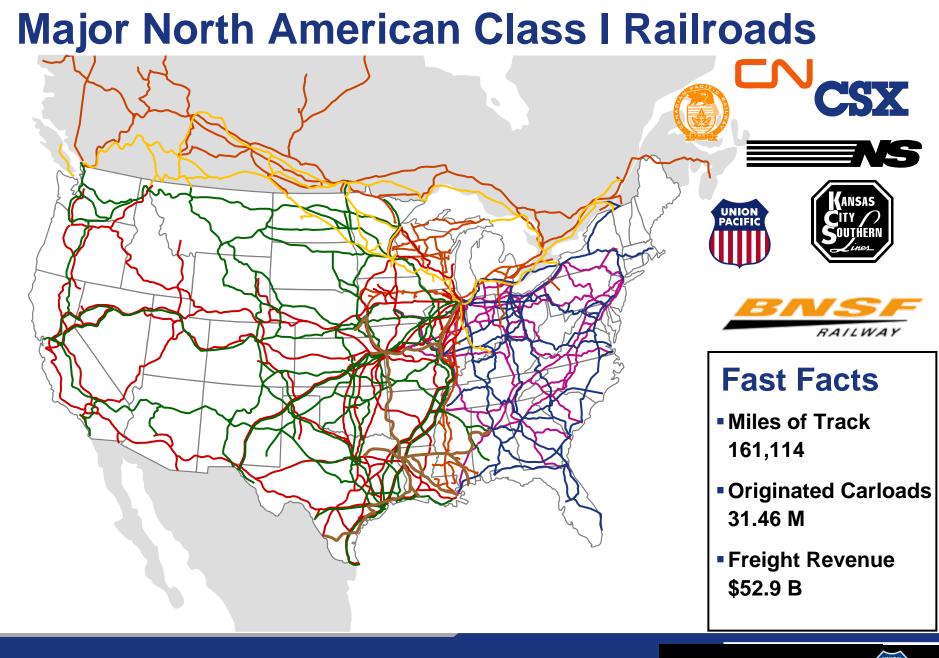
- Safest Form of Ground Freight Transportation
- Moves 1 Ton 790 Miles on 1 Gallon of Diesel
- Reduces Greenhouse Gas Emissions by 67%



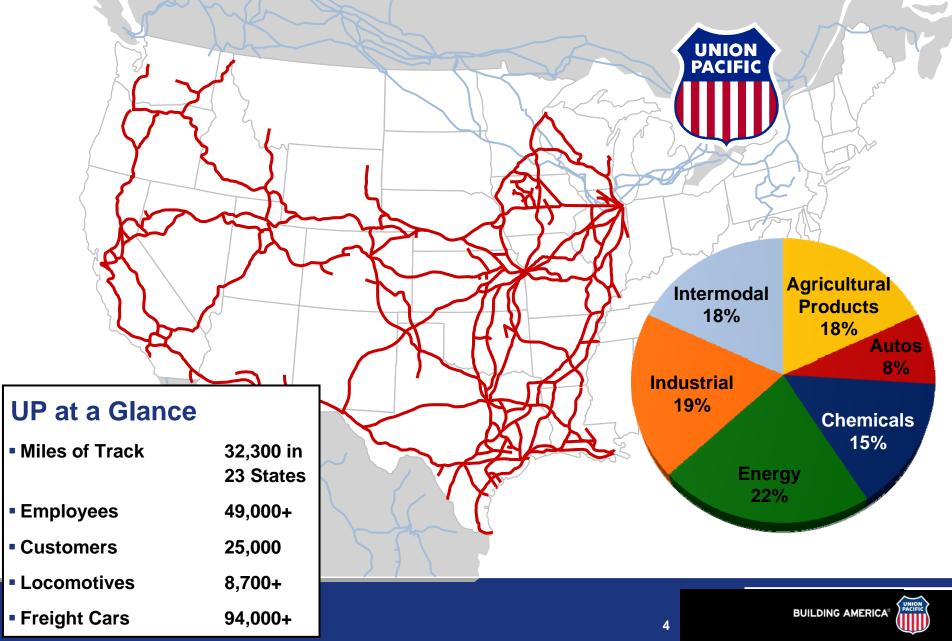


Congested Highway System Creates "Infrastructure Tax" on America - \$8 Billion Annually

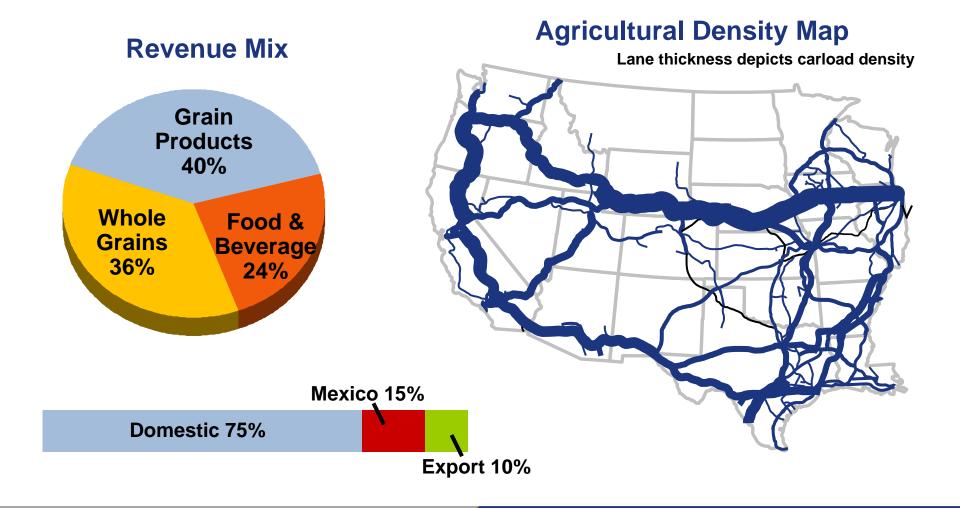




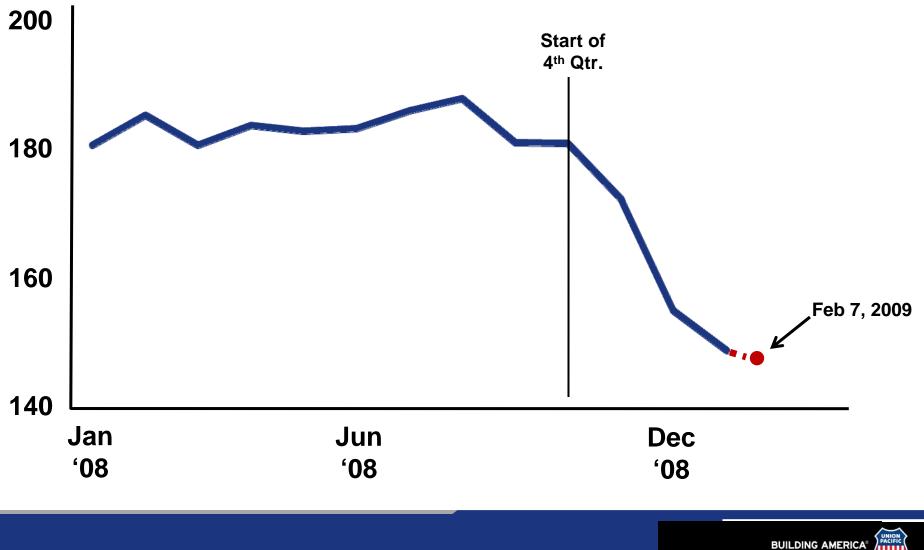
## **UP Franchise – Tremendous Opportunities**



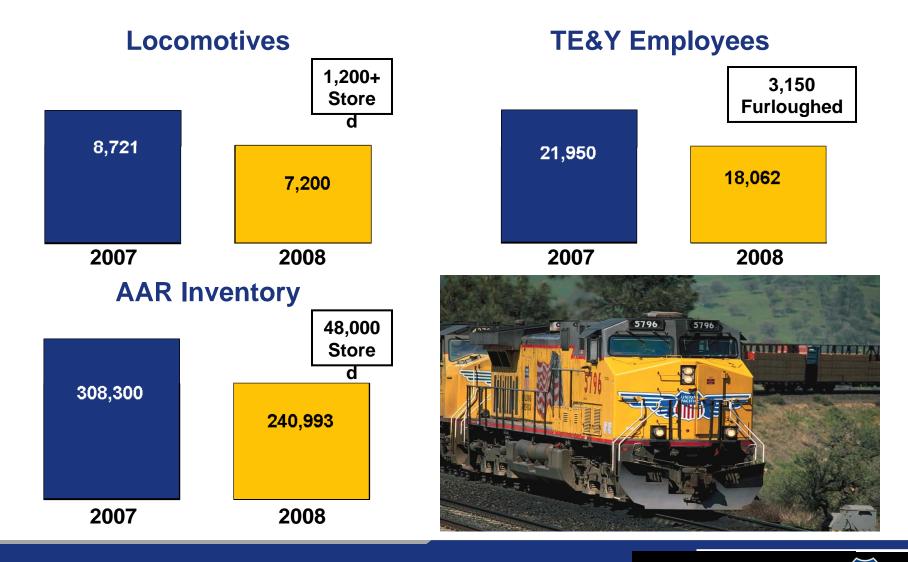
#### **Union Pacific Railroad** *Agricultural Products*



#### **Rapid Volume Decline** 7-Day Carloadings (000s)



#### Resource Update Year-End

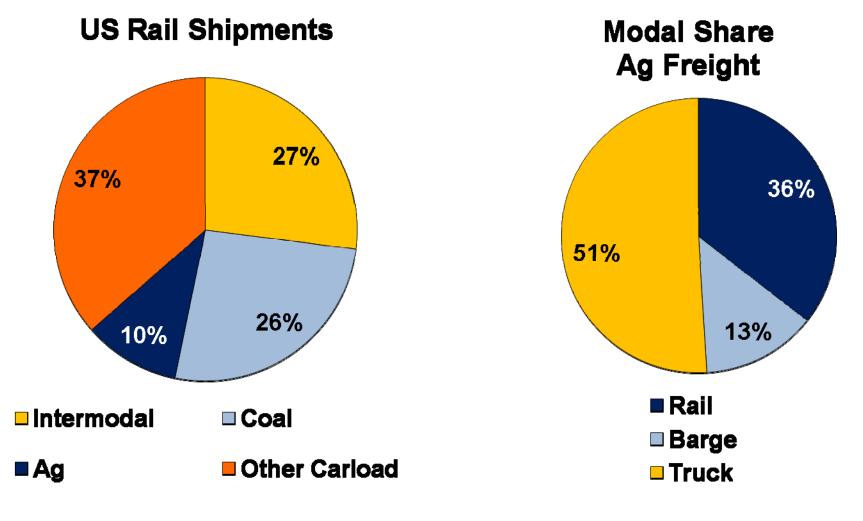


\* Represents Year–End Levels Minus Extra Resources

BUILDING AMERICA®

7

## **Rail Impact on Transportation**

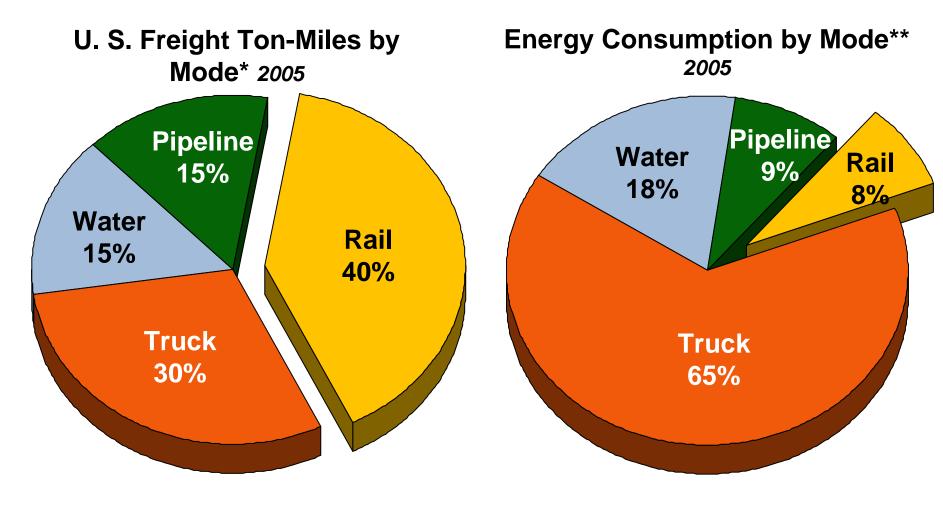


Source: AAR, 2008

Source: USDA – Ag Marketing Service, 2006



## **Rail Efficiency**



\*Source: U. S. Bureau of Transportation Statistics

\*\*Source: U. S. Department of Transportation



## **Role of Railroads with U.S. Agriculture**

- Infrastructure and Equipment
- Service
- Productivity
- Market Access





### **Infrastructure and Equipment**



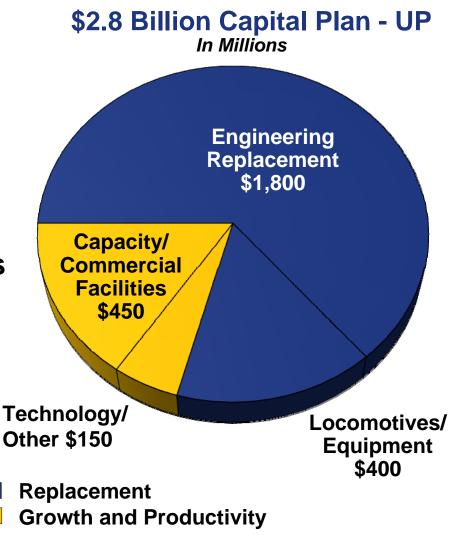


2008 Midwest floods

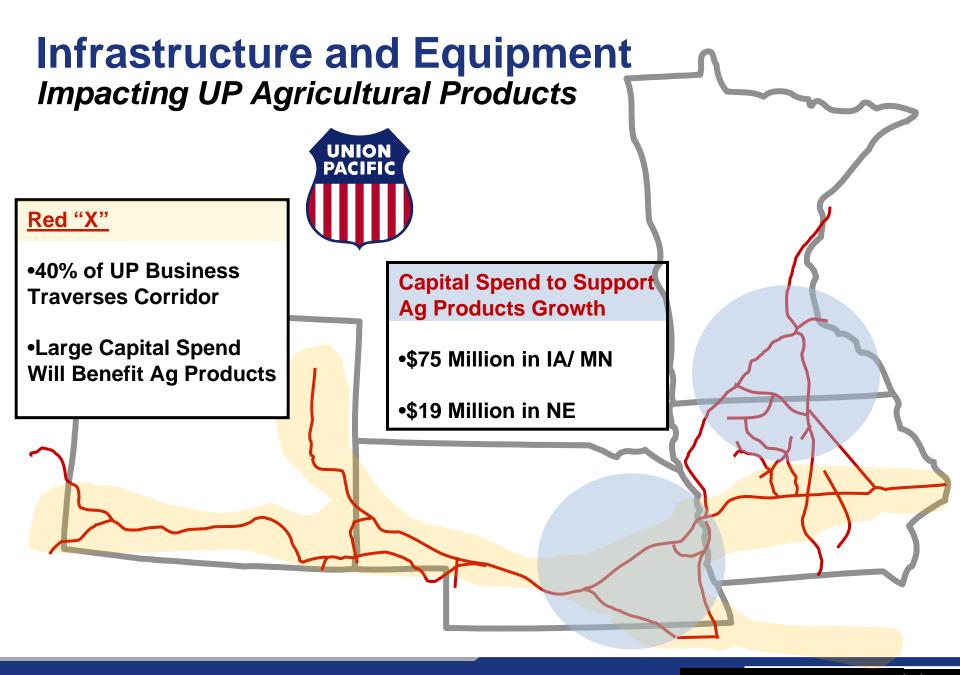


#### Infrastructure and Equipment 2009 UP Capital Investments

- Replacement /Renewal Programs
  - Safety
  - Velocity
  - Throughput
- Long Term Growth Projects
  - Sunset /Intermodal
  - Coal Capacity/Red X
- Enhance Throughput Productivity





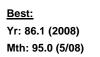


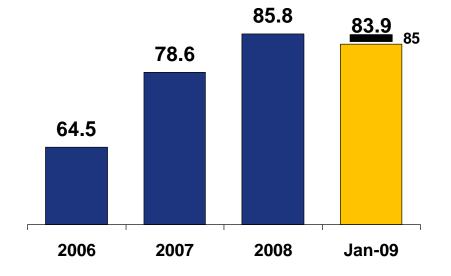


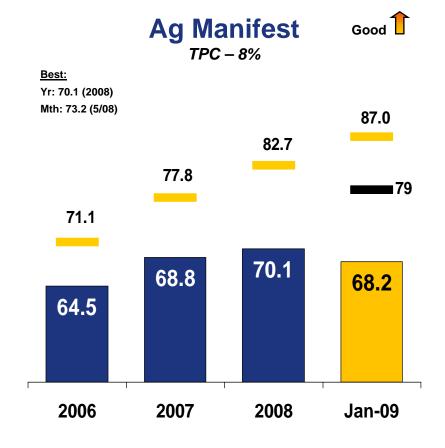
### **Service**

Incl Early Annual Goal

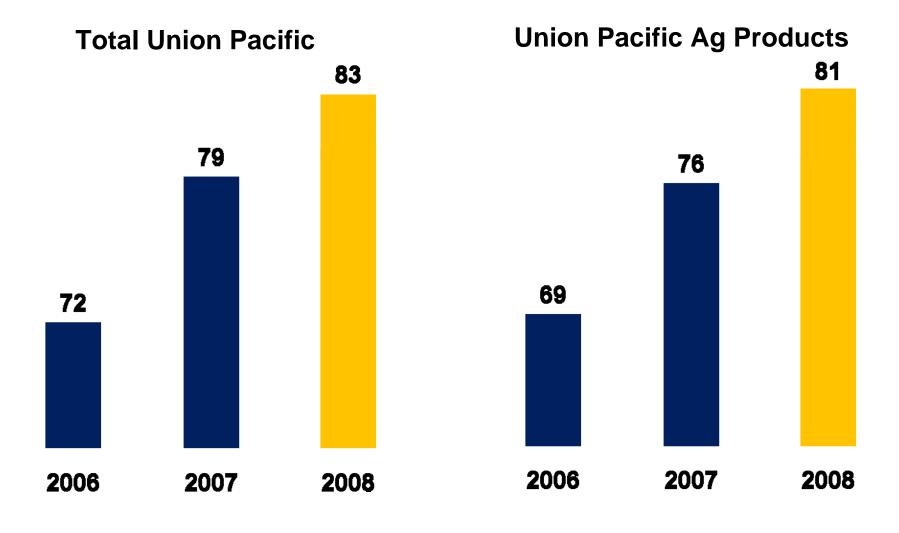
**Ag Unit** *Release to Train Arrival – 4%*  Good 1





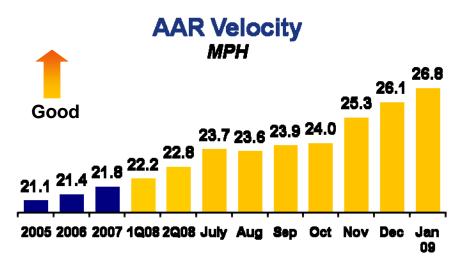


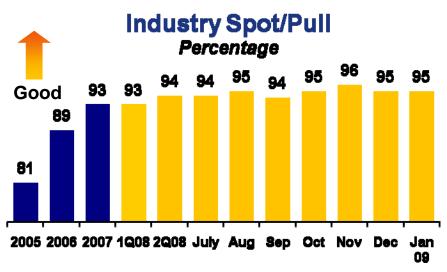
#### **Service** *Customer Satisfaction Index – Union Pacific*

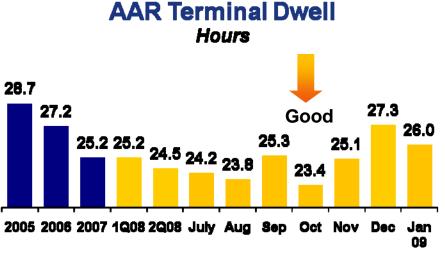




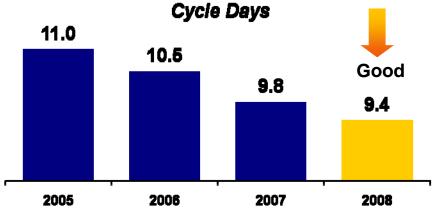
## **Productivity Measures**



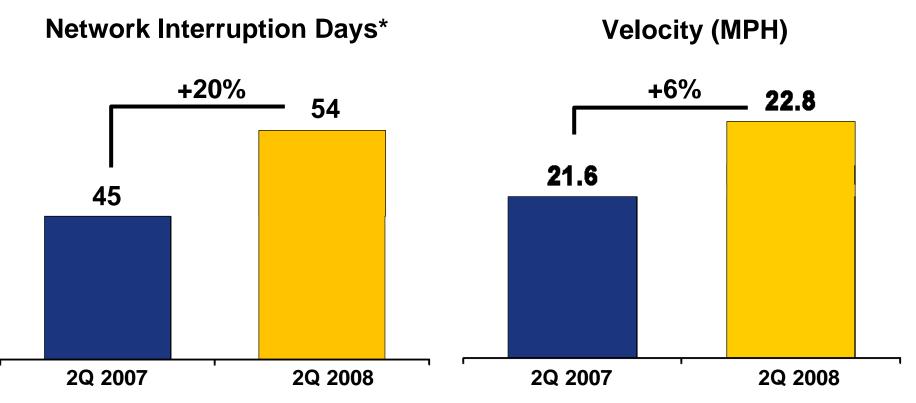




Freight Car Utilization



### **Recoverability & Process Initiatives**



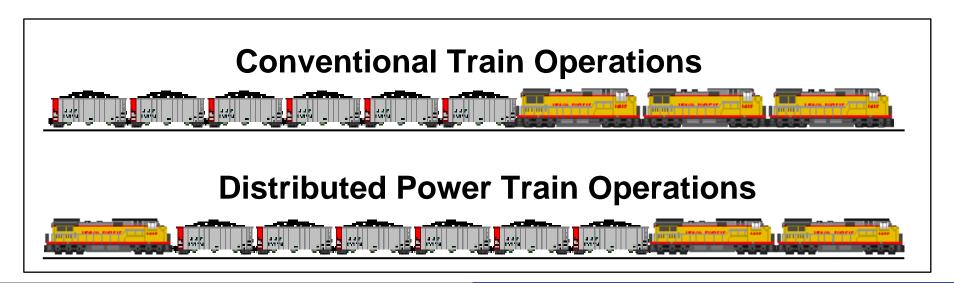
\*Defined as a day with Hours Held > 50Hrs for Weather and/or Incident



## **Technology Improvements**

- Distributed Power
- Unit Train Customer Interface
- Computer Aided Dispatching III

- Electronic Control Pneumatic Braking
- Communication-based
  Train Control





#### **Market Access** *Linking Production and Consumption - Ag Products*

#### Access

- Major Grain and Produce Regions
- Flexibility to Meet Demands of the Market
  - Ethanol
  - Feed/Processors
  - Export

#### Infrastructure

Refrigerated Boxcar Fleet



## **Rail Transportation Issues**

- Safety
- Shipment Variability
- Capacity
- Capital
- Legislative Policy





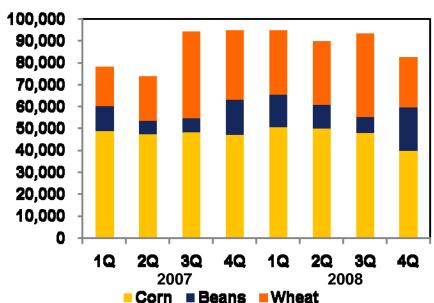


## Safety- "Zero Tolerance"

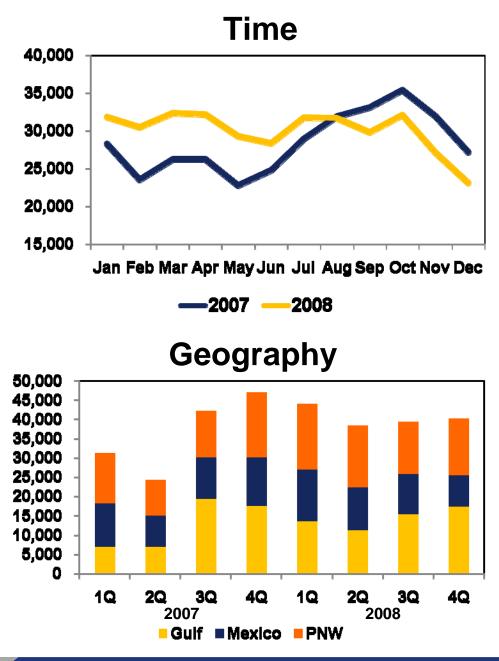




#### **Railroad Issues** *Shipment Variability - Grain*

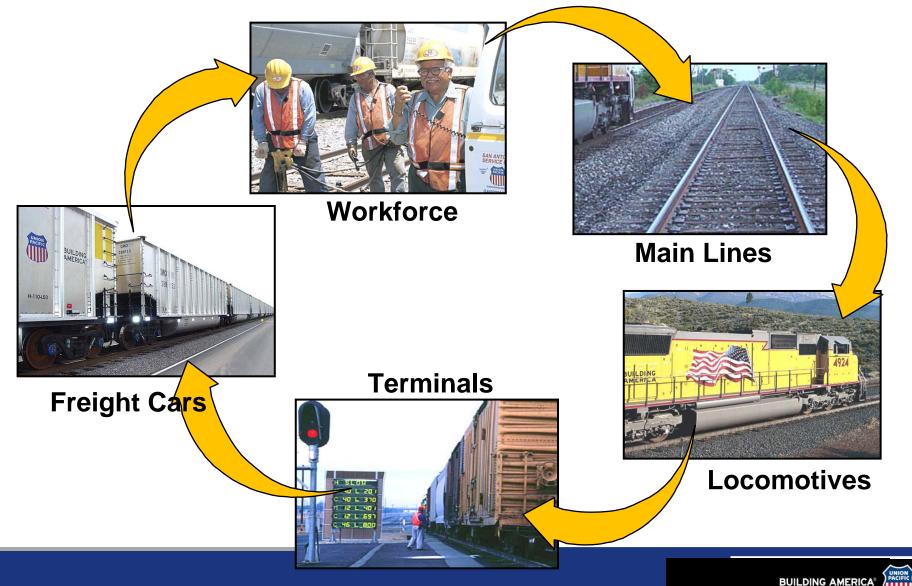


#### Commodity



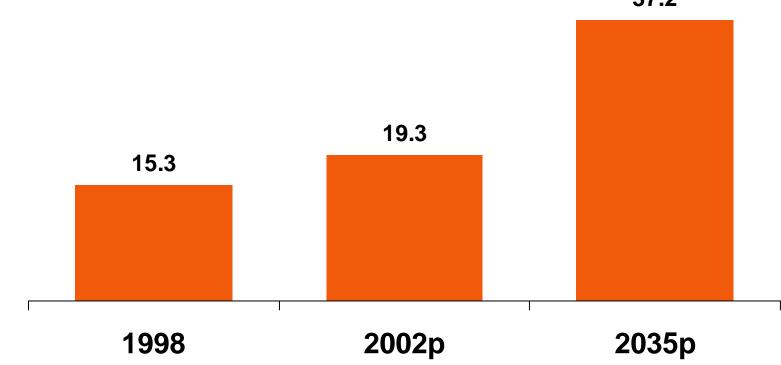


#### 5 Critical Resources Shared & Interconnected



#### Railroad Issues Freight Demand Growing....

**Billions of Tons of Freight Transported in the U.S.** 

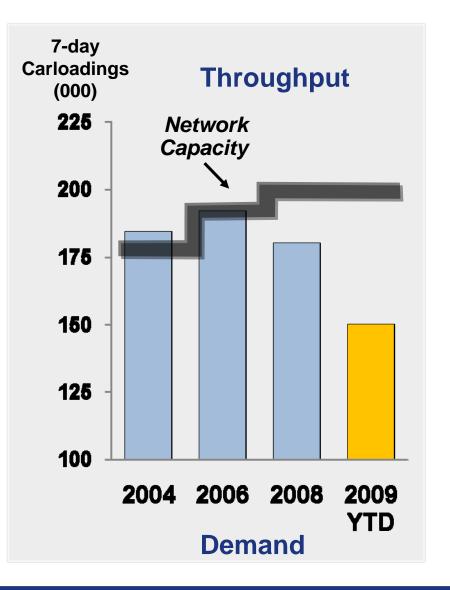


37.2

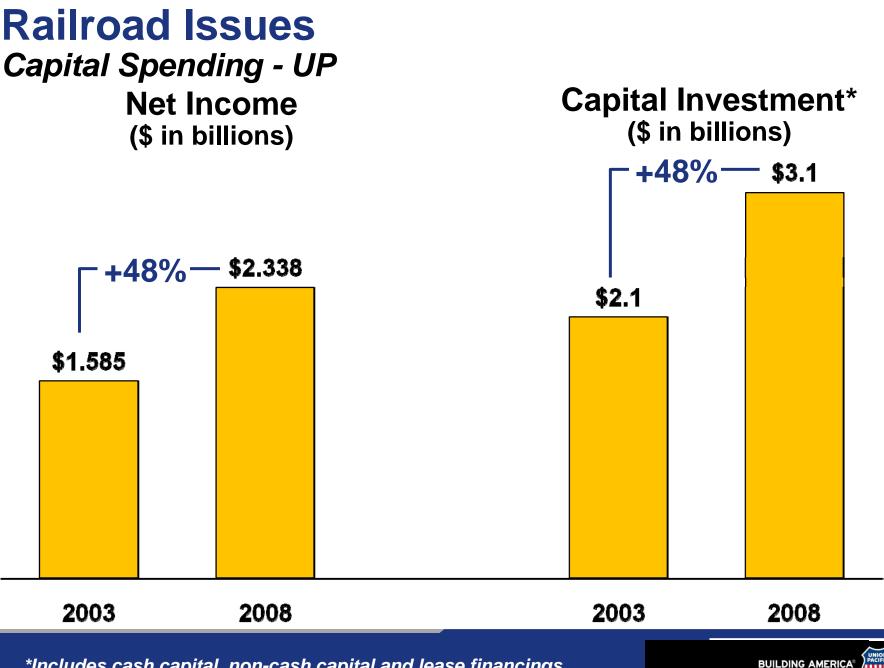
p – preliminary Source: U.S. DOT - Freight Analysis Framework, 2002 & 2006

## **Capacity Challenges**

- Economy
  - Recession hasn't hit bottom
  - Costly assets in storage
- Washington
  - Balanced regulation
  - Conflicting oversight with anti-trust bill
- State & local government
  - Increased interest in commuter rail
  - Rail expansion







\*Includes cash capital, non-cash capital and lease financings

#### **Rail Issues** Legislative Policy

- Anti-Trust Exemption
  - Mergers
  - Equipment Pooling
- Investment Tax Credit
  - 25%
  - New Construction That Expands Rail Capacity
  - Railroads, Shippers, Receivers All Eligble



## 2009 Outlook

- Overall US Economy
- Exports
- Domestic Feeding
- Bio-fuels
- Ocean Freight





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