

## **Coal Transportation by Rail – Outlook for Rates and Service**

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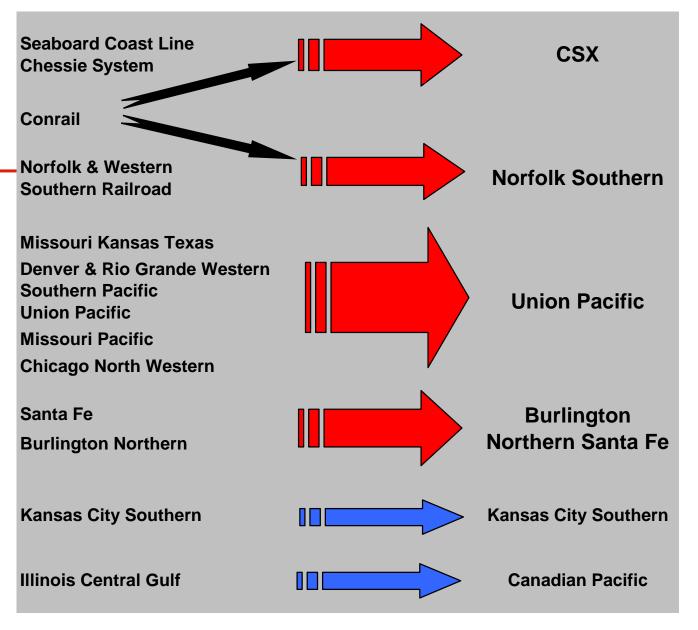
### **Agenda**

- Background –Rail, Coal and Power
- The Rail Industry Running into a Dead End?
- Railroad Business Strategy
- Implications for Coal and Power

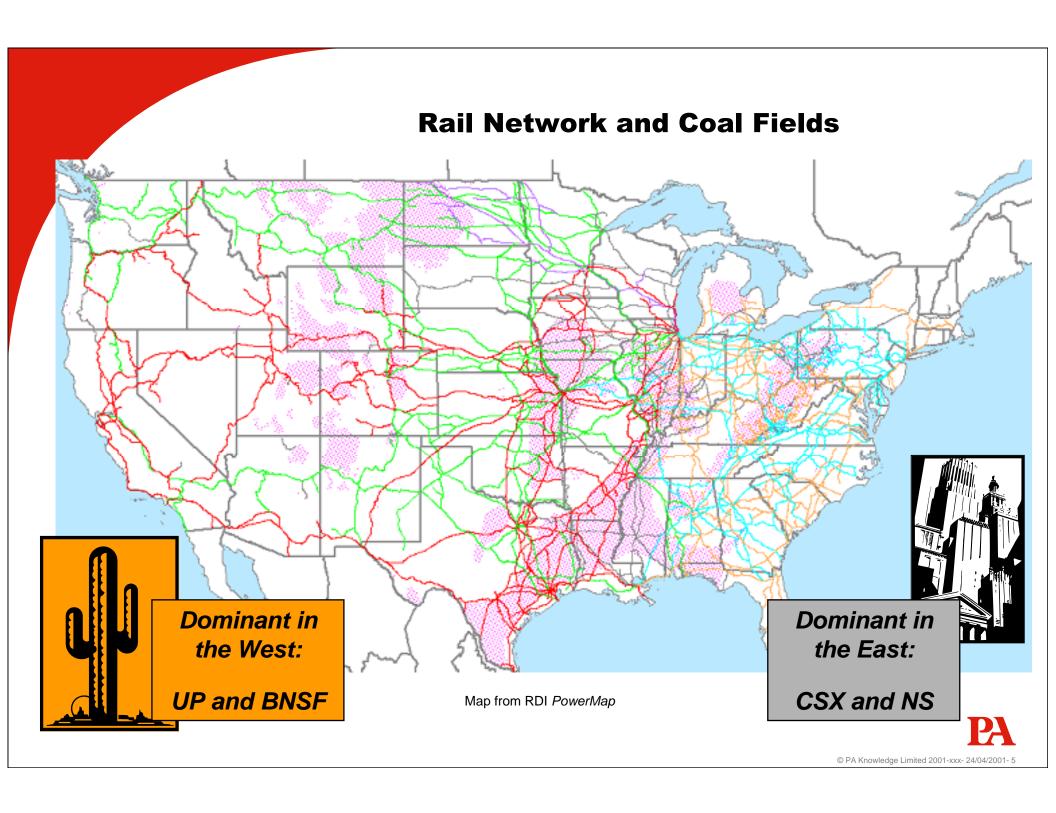
### **Background – Rail, Coal and Power**

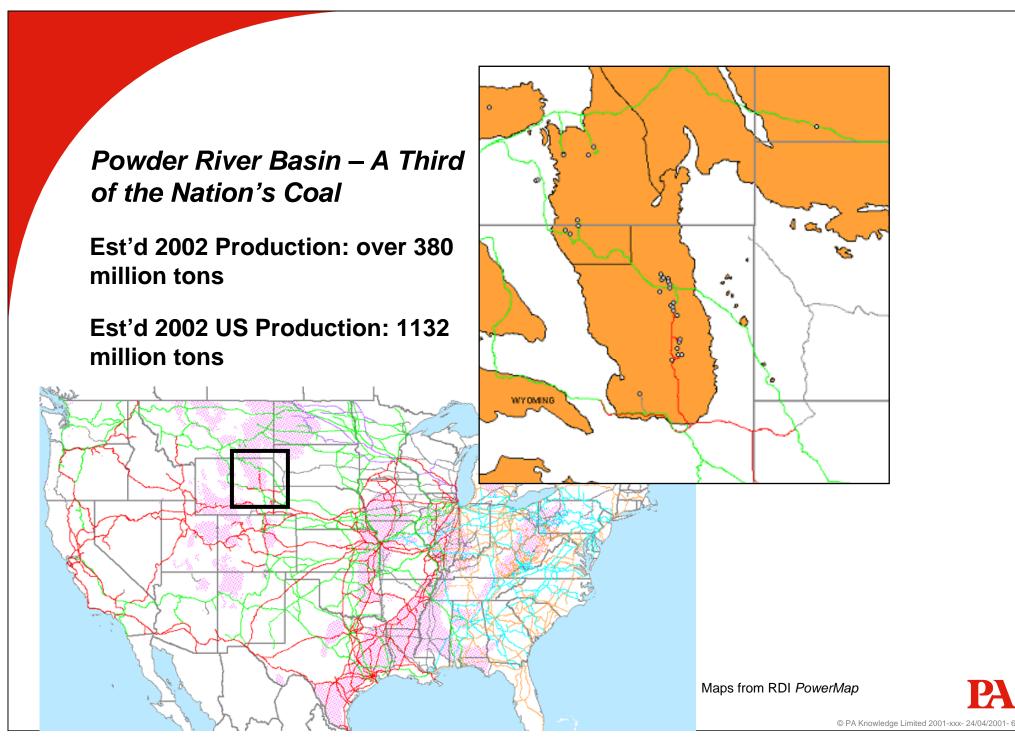


# The Railroad Implosion

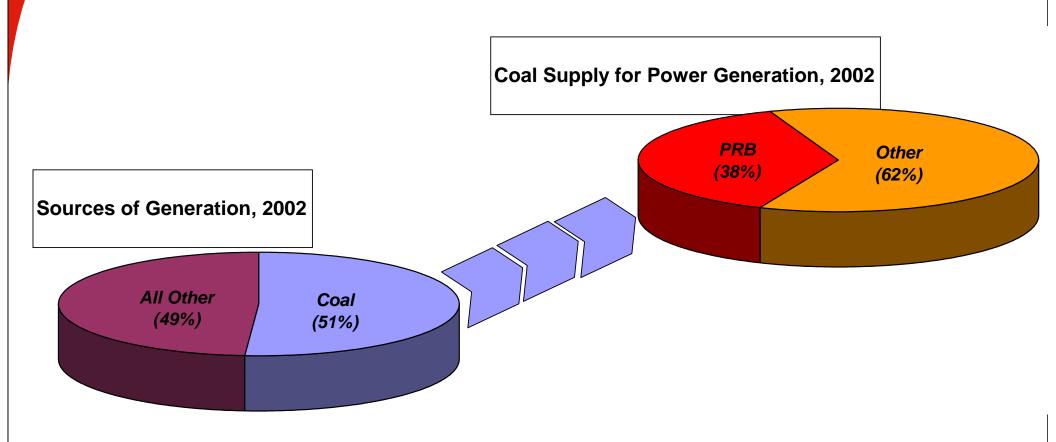








### The PRB Supplies Over a Third of Coal for Generation



Source: EIA, STEO



# The Rail Industry – Running into a Dead End?

### **State of the Railroads**

- Staggers Act of 1980 was intended to save the rail industry through partial deregulation.
- Rail industry today is far healthier than 21 years ago.
- The railroads have pursued several paths to financial success:
  - Cost-cutting and productivity improvements
  - Merger
  - Differential pricing
  - Diversification
  - New Services
  - Investment

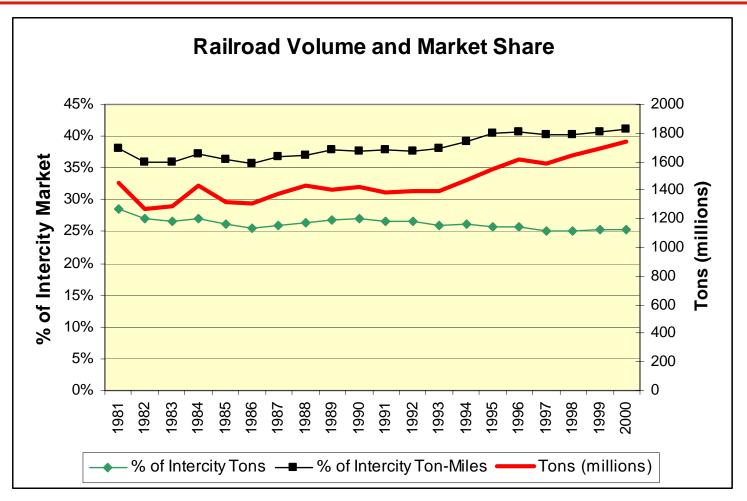


### Several of the Key Railroad Business Strategies of the **Past 21 Years Have Run Out of Steam**

- Diversification is being abandoned by the carriers.
- Cost cutting may be reaching a point of diminishing returns.
- The mergers have not proved to be the ticket to financial success:
  - UP with Chicago North Western: 1995
  - BN with Santa Fe: 1996
  - UP with Southern Pacific: 1996
  - CSX and NS division of Conrail: 1999



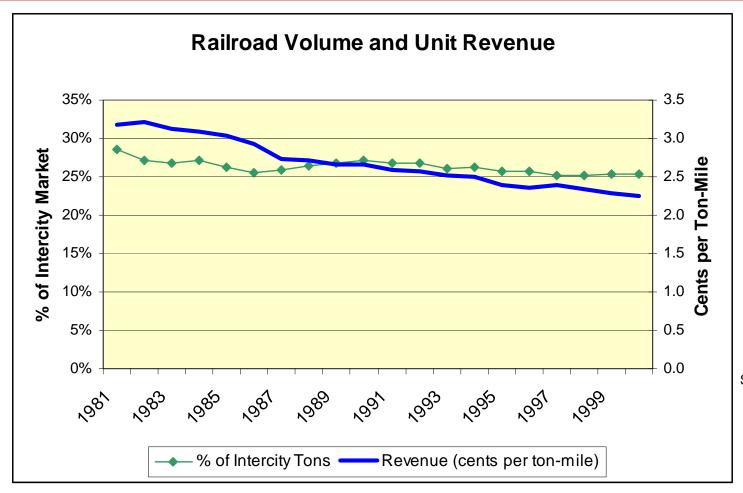
#### **Growth has Been Elusive...**



Source: AAR, 10-Year Trends and web site



### ... and Unit Revenues Have Been Declining

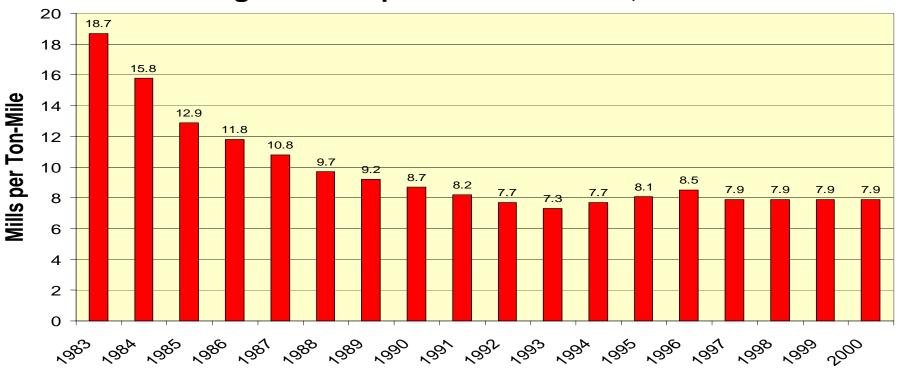


Source: AAR, 10-Year Trends and web site



#### **Rate Trends for PRB Movements**

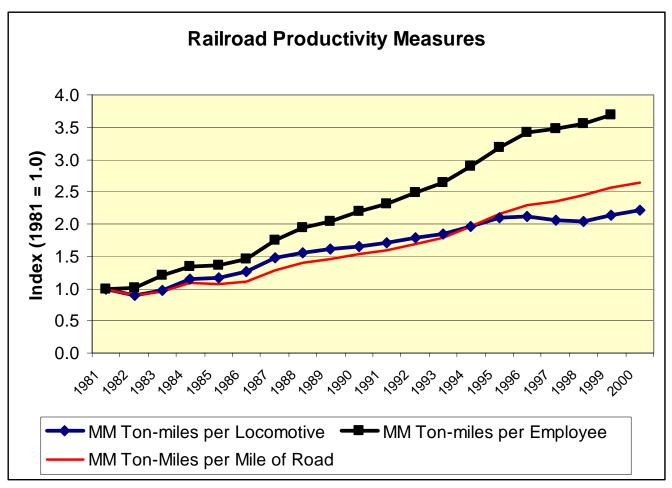
#### Long Haul Competitive Movements, Mills/Ton-Mile



Source: PA Consulting Estimates



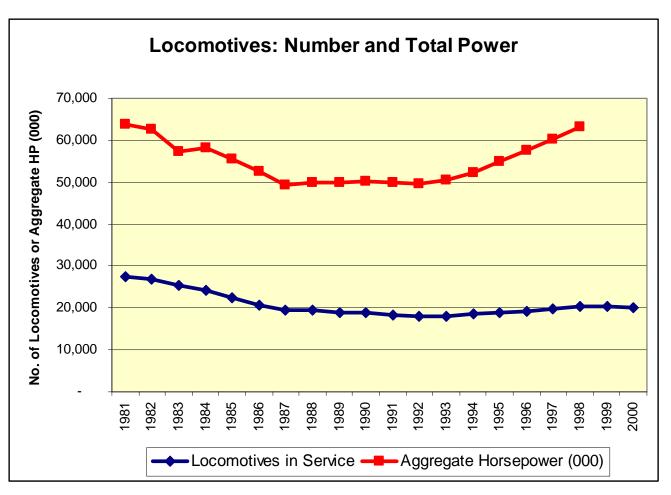
### **Productivity Gains are Beginning to Flatten**



Source: AAR, 10-Year Trends and web site



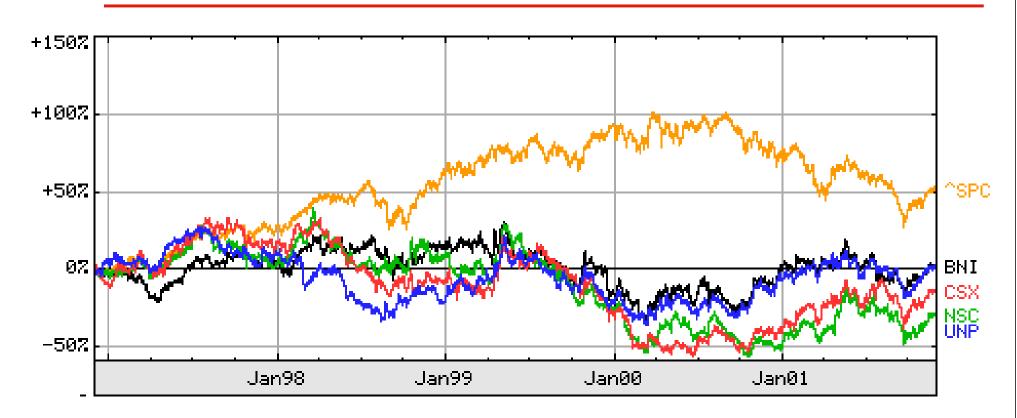
### **Increased Commitment of Resources**



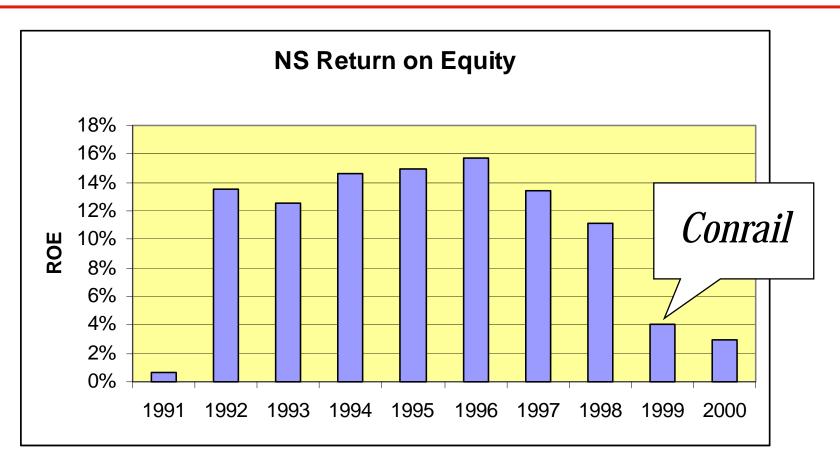
Source: AAR, 10-Year Trends and web site



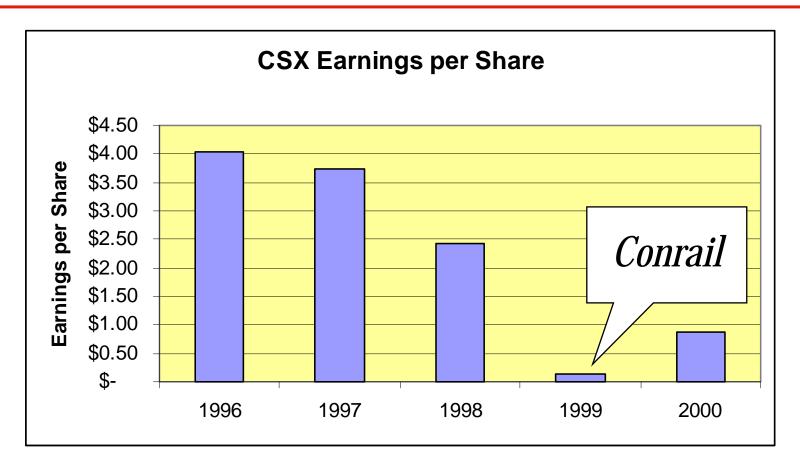
### Railroads: Share Value has Lagged the Market



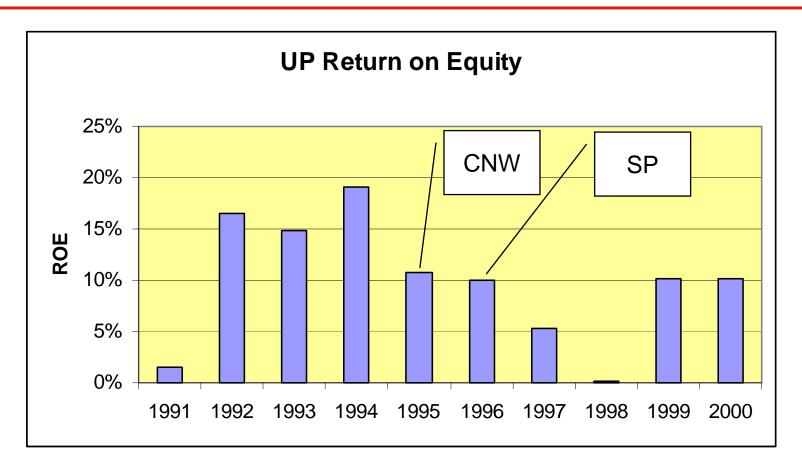
### **Impact of the Conrail Breakup -- NS**



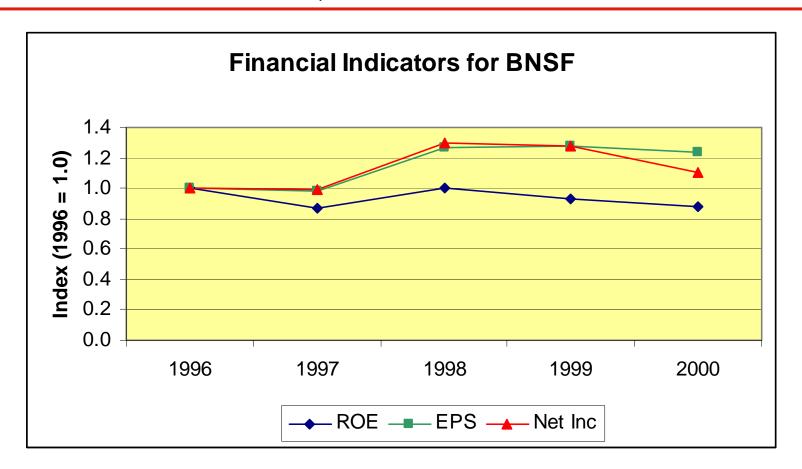
### **Impact of the Conrail Breakup -- CSX**



### **UP After Two Acquisitions**



### **BNSF: Avoided Disaster, But Growth is Elusive**



### **Railroad Business Strategy**

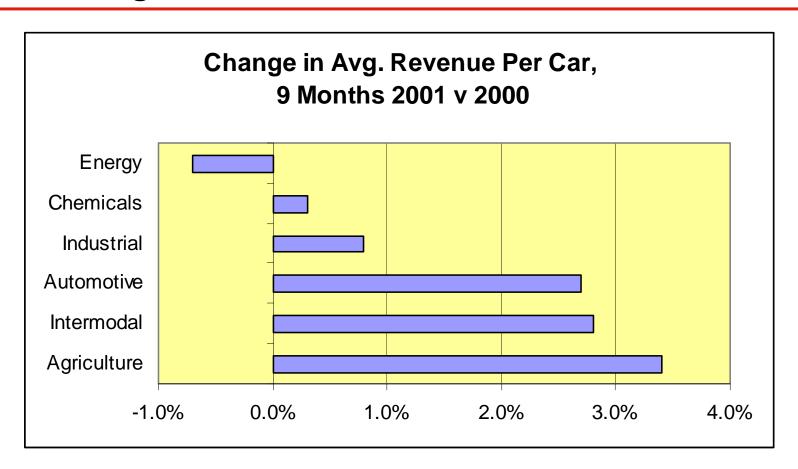
### **Now What?**

- Cost-cutting and productivity improvements
- Merger
- Differential pricing
- Diversification
- New Services
- Investment

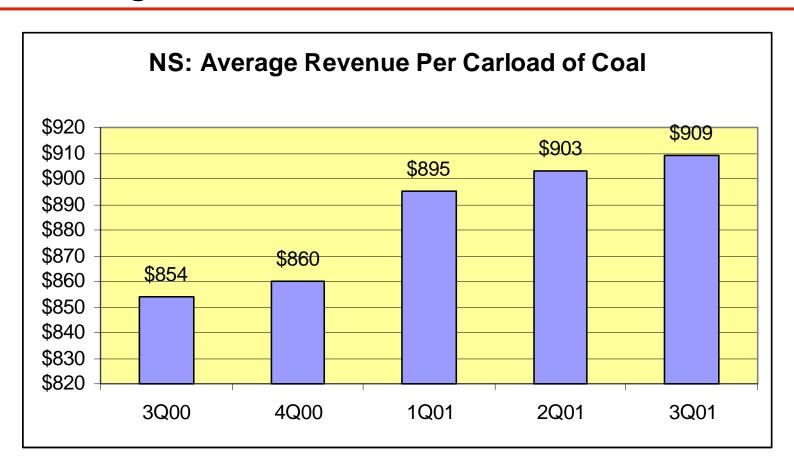
### "Yield Management"

- Another catch phrase is "charging rates that reflect the value of the service."
- Translation: rate increases.
- This has been pushed by Wall Street, and is a common strategy element for the Big Four.

### **Yield Management -- UP**



### **Yield Management -- NS**



### **Capturing Value -- BNSF**

- From remarks made by BNSF President Matt Rose at Salomon Smith Barney, November 5, 2001:
  - Clear that cost-cutting alone will not produce financial success. A new, more balanced business strategy is needed.
  - Elements of balanced strategy: greater efficiency, greater volume, and higher rates (made possible by improved service and elimination of excess capacity).
  - Long-term, confidential rail contracts have contributed to low coal pricing by obscuring price signals. More transparent pricing will help to encourage rate increases – this is one goal of the BNSF's coal transportation options auctions.
  - Decline in rail rates for coal must stop. Rates should reflect value of service.



### **Growing the Top Line – New and Improved Services**

- Much of the focus is on improved intermodal and other truckcompetitive services.
- Object in part is to win back business lost to trucks due to merger problems, and in part to expand market share.
- Even a small shift in market share from trucks would yield enormous benefits to the railroads:
  - For example, in the western US the Union Pacific estimates the total size of the potential market at \$90 billion, of which trucks control 78%
  - Each percent of market share would boost revenues by almost \$1 billion



### UP's "Blue Streak"

- High-speed intermodal service from LA to Atlanta.
- Seamless service via an alliance between UP and NS.
- Three levels of service and pricing:
  - SuperFlyer: on-time or free
  - Premium: priority call on train space and other services
  - Standard: capacity available to price sensitive customers as available.

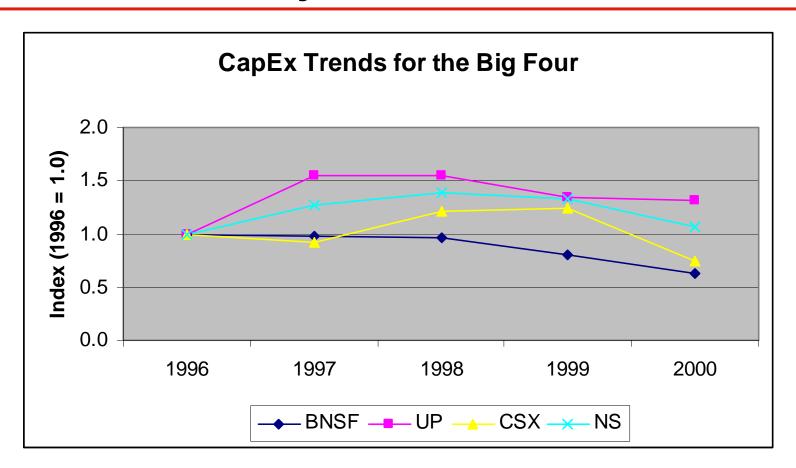
### **Key Characteristics of Premium Services**

- Generally aimed at trucks.
- Essential elements are speed, certainty, and consistency.
- Object is to convert a commodity service into a differentiated product that will attract new business at profitable rates.

### **Who Needs Top-Flight Service?**

	United Parcel Service	Coal Shipper
Truck Option	Yes	Generally No.
Speed	Essential	Nice to have.
On-Time Service	Essential	Not Critical
Consistency	Essential	Not Critical
Can Rely on Inventory	No	Yes
Will Pay for Service	Yes	???

### **Who Will Get the Money?**



### **Implications for Coal and Power**

### The Path not Taken? (1)

- Market and Cooperative Solutions to Increasing Capacity at a Low Capital Cost:
  - Rationalize the allocation of railroad capacity to reflect buyer's willingness to pay
  - Give railroads flexibility to allocate private rail fleets to meet system needs.
- Examples Include:
  - Seasonal pricing
  - Pricing tied to service quality
  - Auctions of blocks of railcar capacity
  - Railcar pooling



### The Path not Taken? (2)

- Some market-based innovations have been tested, but generator response has been tepid, and the railroads move at a glacial pace.
- The strategic focus of the railroads concentrate on truck-competitive traffic, cut capital investment even as demand grows, and push to increase rates – is a formula for confrontation, not cooperation.

### **Implications (1)**

- Coal service will continue to take a lower priority to intermodal and other truck-competitive, time-sensitive services.
- In an effort to increase ROI and placate Wall Street, the railroads will seek to minimize CapEx, and will focus available funds on *truck-competitive* growth opportunities and high-value targets (e.g., chemical business). This does not bode well for coal shippers.

### **Implications (2)**

- The railroads have been unable to consistently provide a reasonable level of service. Tight rationing of investment dollars increases the likelihood of future service disruptions.
- Bad service is more than an inconvenience. In the worst case, generators have had to back-down coal plants and use gas plants or purchased power to meet commitments – this can get very expensive very fast, and can undermine system reliability
- Captive shippers are also likely to face aggressive efforts by the railroads to increase rates.

### Implications (3)

- At a minimum, the current railroad business strategy is unfavorable to coal-burning utilities, and is likely to lead to increased contention over rates and service.
- Contention will be inimical to cooperation and joint innovation, which will inhibit steps that could improve reliability or decrease costs.
- The increases concentration in the rail and power industries may increase the possibility that a misstep by a few key players could play havoc with coal service, generation reliability and costs.