Bridging into the Future Game Changers in the Rail Industry



Calgary Transportation Hub Conference November 18, 2011



WHO ARE WE?



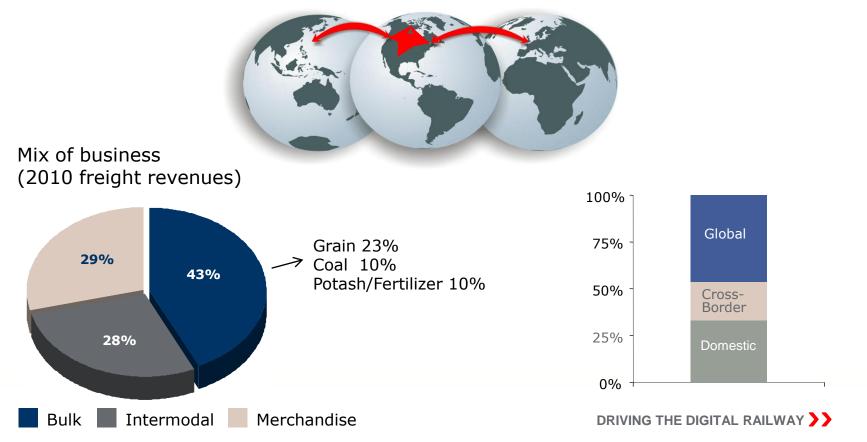
A North American transcontinental railroad providing freight transportation services, logistics solutions and supply chain expertise



CP'S MARKET PLACE



CP conducts business within two broad markets – Global and North American Domestic. Our intercontinental trade is influenced by import/export container demand, the need for Canada's bulk commodities around the world and efficient supply chains linking buyers and sellers.



GAME CHANGERS

Number of factors present opportunities & challenges

➢Rise of Asia

Demographics – Labour Supply & Demand

>Increasing Global Supply Chain Competition

Environment & Communities

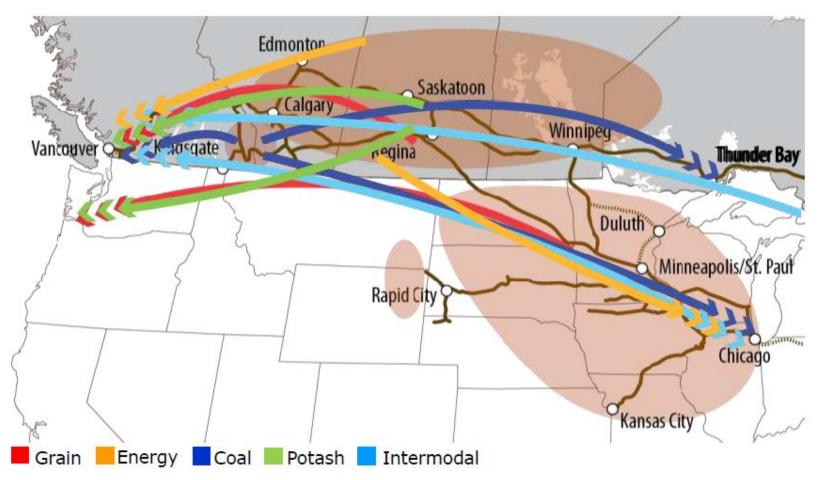
≻Technology





OPPORTUNITY FOR GROWTH





RETHINK APPROACHES Energy by Rail



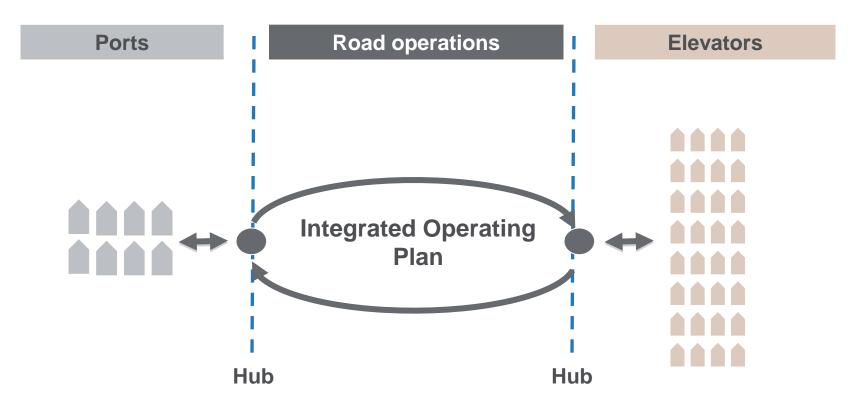
Benefits

- •Readily available right of way
- Scalable volumes
- •Facilitates arbitrage opportunities
- •Avoids dilution of light sweet crudes with heavier/sour crudes
- •Rail provides optionality in times of pipeline outages and disruptions

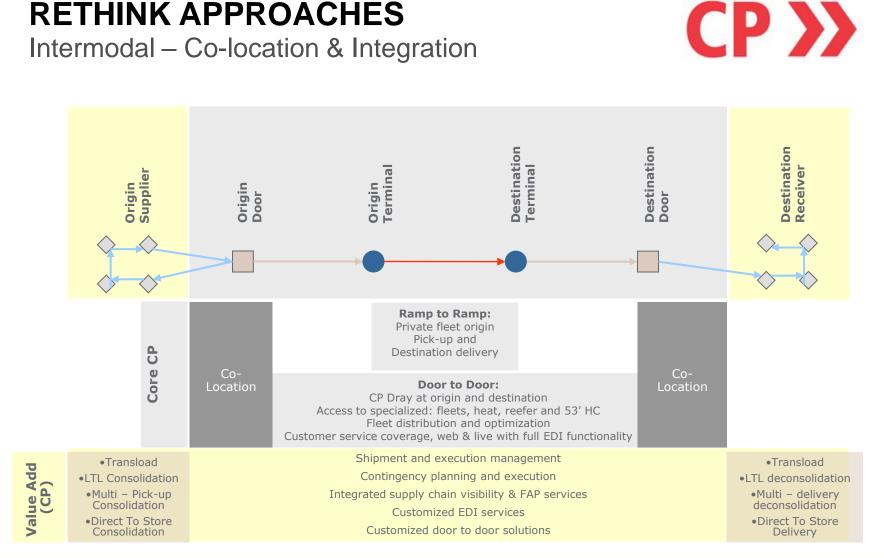
(\mathbf{CP}) Saskatoon legina Winnipeg Kingsgate Oil Sands Rapid City Minneapolis/St. Paul Bakken Marcellus Shale Milwaukee Chicago Kansas City BC Shale Oil Sands Bakken Marcellus Utica Conventional Oil/ Gas

Rail can serve as a pipeline to North American Destinations & International Markets

RETHINK APPROACHES Grain - Keeping the pipeline fluid and balanced



A new approach to managing grain shipment performance – taking an entire shipment cycle perspective



Linking rail, road, Distribution Centres & Cross-dock operations

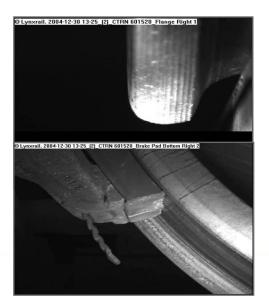
INTRODUCE TECHNOLOGY

Leveraging new technologies for improving reliability, safety & productivity

- Automated Track inspections
 - Ultrasonic rail flaw detection
 - Infrared digital imaging rail ties
 - Digital imaging joint bars

- Automated Train inspections
 - Hot box detectors
 - Wheel impact load detectors
 - Hot/Cold wheel detectors
 - Technology Driven Train Inspection

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Example: Technology Driven Train Inspection

- less train/car dwell in terminals -> service
- fewer manual inspections → productivity
- improved quality of inspection → safety



Wheel flange and brake shoe inspected in train at a speed of 45 mph



INTRODUCE TECHNOLOGY

Leveraging new technologies for improving reliability, safety & productivity

Deployment of new technologies presents opportunity for improved customer interface, streamlined processes and less rework

- Tablet computers deployed to all conductors for local service
- Reduces rework and errors
- Allows changes to work plan to be downloaded automatically
- Plan is to deploy across entire railway

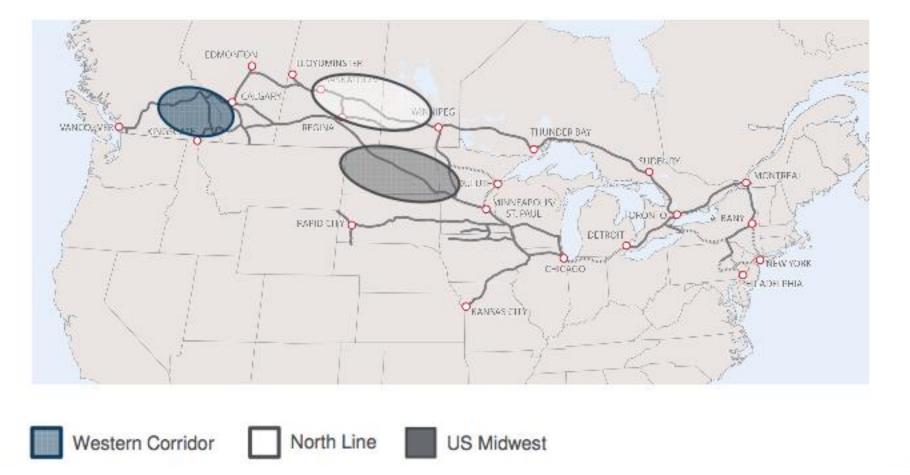


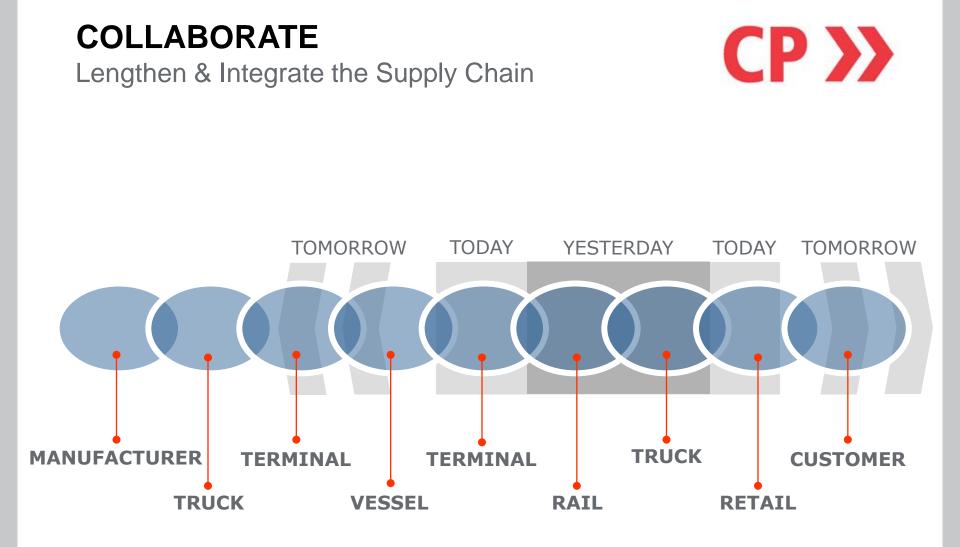
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INVESTMENT IN INFRASTRUCTURE

Targeting efficiency, productivity & capacity







DRIVING THE DIGITAL RAILWAY

COLLABORATION

Working with Ports and Governments





SEIZING THE OPPORTUNITY Requires Action of all Supply Chain Participants & all Levels of Governments



- Investment Infrastructure to support Growth
- Supportive Environment for Investment
- Investment in and Implementation of Technology & Support for that Investment
- Increased Collaboration/Integration
 - Supply Chain
 - Governments Gateway 2.0/FTZ
 - Port Calgary?
- Innovation
- Labour
 - Training & Immigration Policy
- Sustaining a social licence

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