Surface Transportation Board – Rail Energy Transportation Advisory Committee Meeting

Performance Measures Subcommittee Update

March 6, 2014
Using EIA, AAR and individual railroad data sources, a data table is assimilated, and from it......

**Six coal-related dashboards, organized as follows:**

1. Coal Production, Consumption, and Inventories Dashboard
2. Net Generation by Fuel Type Dashboard
3. Coal Exports Dashboard
4. Western Rail Coal Carloads Dashboard
5. Eastern Rail Coal Carloads Dashboard
6. Canadian Rail Coal Carloads Dashboard
7. Railroad Coal Train Speed Dashboard

Most dashboards have three sections:

a. Left - historical and forecasted data (no forecasts of rail metrics)
b. Middle - comparison for the most recent quarter (Q3 or Q4 as noted)
c. Right - current YTD comparison versus the 5-year range
Performance Summary

**Coal Production** (CY 2013 estimate versus CY 2012)

- **Appalachia:** Decreased 15.5 million tons (-5.3%)
- **Interior:** Increased 5.1 million tons (+2.8%)
- **Western:** Decreased 10.2 million tons (-1.9%)
- **Total Production:** Decreased 20.6 million tons (-2.0%)

**Coal Consumption** (CY 2013 estimate versus CY 2012)

- **Electricity/Power:** Increased 31.5 million tons (+3.8%)
- **Retail/Other:** Decreased 0.8 million tons (-1.8%)
- **Met/Coke:** Increased 0.4 million tons (+1.9%)
- **Total Consumption:** Increased 31.1 million tons (+3.5%)

**Coal Exports** (CY 2013 estimate versus CY 2012)

- **Met Coal:** Decreased 2.9 million net tons (-4.1%)
- **Steam Coal:** Decreased 4.1 million net tons (-7.3%)
- **Total Exports:** Decreased 7.0 million net tons (-5.6%)
Performance Summary

**Railroad Carloads** (CY 2013 estimate versus CY 2012)

- Burlington (BNSF): Increased 63,900 carloads (+3.0%)
- Union Pacific: Decreased 165,900 carloads (-9.8%)
- Kansas City Southern: Decreased 8,100 carloads (-4.0%)
- Norfolk Southern: Decreased 54,200 carloads (-5.0%)
- CSX Transportation: Decreased 115,000 carloads (-11.1%)
- Canadian National: Increased 10,800 carloads (+4.8%)
- Canadian Pacific: Increased 15,500 carloads (+6.9%)
- **Total Carloads:** Decreased 253,000 carloads (-3.8%)
NET GENERATION BY FUEL TYPE DASHBOARD

Historical Net Generation by Fuel Type

Source Data: EIA
U.S. COAL EXPORTS DASHBOARD

Historical and Forecasted Exports

Q3 Exports Comparison

2013 Exports vs 5-Year Range

Source Data: EIA
WESTERN RAILROAD COAL CARLOADS DASHBOARD

BNSF Historical Originations

BNSF Q4 Originations Comparison

2013 BNSF Originations vs 5-Year Range

UP Historical Originations

UP Q4 Originations Comparison

2013 UP Originations vs 5-Year Range

KCS Historical Receipts

KCS Q4 Receipts Comparison

2013 KCS Receipts vs 5-Year Range

Source Data: AAR, BNSF, UP, KCS