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SERVICE DATE - SEPTEMBER 20, 2001

SURFACE TRANSPORTATION BOARD

Decision

STB Ex Parte No. 290 (Sub-No. 5) (2001-4)

QUARTERLY RAIL COST ADJUSTMENT FACTOR

Decided: September 19, 2001

In Railroad Cost Recovery Procedures, 1 I.C.C.2d 207 (1984), the Interstate Commerce Commission (ICC) outlined the procedures for calculating the all-inclusive index of railroad input prices and the method for computing the rail cost adjustment factor (RCAF). Under the procedures, the Association of American Railroads (AAR) is required to calculate the index on a quarterly basis and submit it on the fifth day of the last month of each calendar quarter. In Railroad Cost Recovery Procedures, 5 I.C.C.2d 434 (1989), aff'd sub nom. Edison Electric Institute, et al. v. ICC, 969 F.2d 1221 (D.C. Cir. 1992), the ICC adopted procedures that require the adjustment of the quarterly index for a measure of productivity.

The provisions of 49 U.S.C. 10708 direct the Surface Transportation Board (Board) to continue to publish both an unadjusted RCAF and a productivity-adjusted RCAF. In Productivity Adjustment-Implementation, Ex Parte No. 290 (Sub-No. 7) (STB served Oct. 3, 1996), the Board decided to publish a second productivity-adjusted RCAF called the RCAF-5. Consequently, three indices are now filed with the Board: the RCAF (Unadjusted), the RCAF (Adjusted), and the RCAF-5. The RCAF (Adjusted), which reflects national average productivity changes as originally developed and applied by the ICC, is currently based on a 5-year moving average. The RCAF-5 reflects national average productivity changes as if a 5-year moving average had been applied consistently from the productivity adjustment's inception in 1989.

The index of railroad input prices, RCAF (Unadjusted), RCAF (Adjusted), and RCAF-5 for the fourth quarter 2001 are shown in Table A of the Appendix to this decision. Table B shows the second quarter 2001 index and the RCAF calculated on both an actual and a forecasted basis. The difference between the actual calculation and the forecasted calculation is the forecast error adjustment.

The Board's rules mandate that the weights for each major cost component of the all-inclusive cost index, on which the RCAF is based, be updated annually in order to reflect the changing mix of index components. The procedure also requires the wages and supplement rates used in the labor index to be rebenchmarked in the fourth quarter of each year. See Railroad Cost Recovery Procedures, 364 I.C.C. 841 (1981). The weights used by the AAR are based on the distribution of railway expenses for the year 2000. Similarly, AAR has used wage and

supplement data for the year 2000 to calculate hourly labor rates that reflect the changing mix of employees. We have reviewed the reweighting and rebenchmarking calculations performed by AAR, and we find that they comply with the prescribed method.

Both the RCAF (Adjusted) and the RCAF-5 are currently calculated using a moving 5-year average of productivity change for U.S. Class I railroads. An average productivity change rate of 1.028 (2.8% per year) for the period 1995-1999 is currently used for the RCAF (Adjusted). In accordance with Ex Parte No. 290 (Sub-No. 7), supra, the RCAF-5 will continue to use the 1994-1998 average productivity change rate of 1.035 (3.5%) until January 1, 2002.

We have examined AAR's calculations for compliance with our procedures and find that the fourth quarter 2001 RCAF (Unadjusted) is 1.078, a decrease of 0.1% from the third quarter 2001 RCAF of 1.079. The RCAF (Adjusted) is 0.581, a decrease of 0.7% from the third quarter 2001 RCAF (Adjusted) of 0.585. The RCAF-5 is 0.556, a decrease of 1.1% from the third quarter 2001 RCAF-5 of 0.562.

This decision will not significantly affect the quality of the human environment or the conservation of energy resources.

Pursuant to 5 U.S.C. 605(b), we conclude that our action will not have a significant economic impact on a substantial number of small entities within the meaning of the Regulatory Flexibility Act.

AUTHORITY: 49 U.S.C. 10708.

It is ordered:

1. The Board has approved the fourth quarter 2001 Rail Cost Adjustment Factor (Unadjusted) of 1.078, RCAF (Adjusted) of 0.581, and RCAF-5 of 0.556.
2. Notice of this decision will be published in the Federal Register.
3. The effective date of this decision is October 1, 2001.

By the Board, Chairman Morgan, Vice Chairman Clyburn, and Commissioner Burkes.

Vernon A. Williams  
Secretary

**TABLE A**  
**Ex Parte No. 290 (Sub-No. 5) (2001-4)**  
**All Inclusive Index of Railroad Input Costs**

LINE NO.	INDEX COMPONENT	2000 WEIGHTS	THIRD QUARTER 2001 FORECAST	FOURTH QUARTER 2001 FORECAST
1	LABOR	36.5%	256.3	253.0
2	FUEL	10.7%	108.3	108.5
3	MATERIALS AND SUPPLIES	4.8%	155.8	153.8
4	EQUIPMENT RENTS	11.1%	177.8	179.2
5	DEPRECIATION	10.2%	150.2	150.0
6	INTEREST	4.6%	94.9	108.8
7	OTHER ITEMS <sup>1</sup>	22.1%	161.2	160.2
8	WEIGHTED AVERAGE	100.0%	187.7	186.9
9	LINKED INDEX <sup>2</sup>		186.9	186.1
10	PRELIMINARY RAIL COST ADJUSTMENT FACTOR <sup>3</sup>		107.9	107.4
11	FORECAST ERROR ADJUSTMENT <sup>4</sup>		0.000	0.004
12	RCAF (UNADJUSTED) (LINE 10 + LINE 11)		1.079	1.078
13	RCAF (ADJUSTED) <sup>5</sup>		0.585	0.581
14	RCAF-5 <sup>6</sup>		0.562	0.556

<sup>1</sup> "Other Items" is a combination of Purchased Services, Casualties and Insurance, General and Administrative, Other Taxes, Loss and Damage, and Special Charges, price changes for all of which are measured by the Producer Price Index for Industrial Commodities Less Fuel and Related Products and Power.

<sup>2</sup> Linking is necessitated by a change to the 1999 weights beginning with the fourth quarter 2001. The following formula was used for the current quarter's index:

$$\frac{4^{\text{th}} \text{ Qr. 2001 Index (2000 Weights)}}{3^{\text{rd}} \text{ Qr. 2001 Index (1999 Weights)}} \text{ Times } 3^{\text{rd}} \text{ Quarter Linked Index (1980 = 100 Linked)} \text{ Equals } \text{Linked Index (Current Quarter)}$$

Or

$$\frac{186.9}{187.7} \times 186.9 = 186.1$$

<sup>3</sup> The first quarter 1998 RCAF was rebased using the October 1, 1997, level of 173.2 in accordance with the requirements of the Staggers Rail Act of 1980 (10/1/97 = 1.00).

<sup>4</sup> The fourth quarter 2001 forecast error adjustment was calculated as follows: a. Second quarter 2001 RCAF calculated using forecasted data equals 107.2; b. Second quarter 2001 RCAF calculated using actual data equals 107.6; c. The difference equals the forecast error (b-a) of 0.4. Since the actual second quarter value is greater than the forecast value, the difference is added to the preliminary RCAF.

<sup>5</sup> The fourth quarter 2001 RCAF Adjusted (0.581) is calculated by dividing the fourth quarter 2001 RCAF Unadjusted (1.078) by the fourth quarter productivity adjustment factor of 1.8558. The fourth quarter 2001 productivity adjustment factor is calculated by multiplying the third quarter 2001 productivity adjustment factor of 1.8431 by the fourth root (1.0069) of the 1995-1999 annual average productivity growth rate of 1.028%.

<sup>6</sup> The fourth quarter 2001 RCAF-5 (0.556) is calculated by dividing the fourth quarter 2001 RCAF Unadjusted (1.078) by the fourth quarter productivity adjustment factor-5 (PAF-5) of 1.9379. The fourth quarter 2001 productivity adjustment factor is calculated by multiplying the third quarter 2001 PAF-5 of 1.9214 by the fourth root (1.0086) of the 1994-1998 annual average productivity growth rate of 1.035%.

TABLE B

**Ex Parte No. 290 (Sub-No. 5) (2001-4)**  
**Comparison of Second Quarter 2001 Index**  
**Calculated on Both a Forecasted and an Actual Basis**

<b>Line No.</b>	<b>INDEX COMPONENT</b>	<b>1999 WEIGHT</b>	<b>SECOND QUARTER 2001 FORECAST</b>	<b>SECOND QUARTER 2001 ACTUAL</b>
1	LABOR	39.3%	254.5	254.5
2	FUEL	7.1%	102.7	107.8
3	MATERIALS AND SUPPLIES	5.3%	149.5	149.5
4	EQUIPMENT RENTS	11.4%	177.9	177.9
5	DEPRECIATION	10.6%	150.2	150.1
6	INTEREST	4.6%	94.9	94.9
7	OTHER ITEMS	21.7%	161.7	161.0
8	WEIGHTED AVERAGE	100.0%	190.9	191.1
9	LINKED INDEX		185.6	186.4
10	RAIL COST ADJUSTMENT FACTOR		107.2	107.6