

SURFACE TRANSPORTATION BOARD

DECISION

Docket No. EP 290 (Sub-No. 4)

RAILROAD COST RECOVERY PROCEDURES—PRODUCTIVITY ADJUSTMENT

Digest:¹ Each year the Board calculates the change, if any, in the rail industry's productivity, i.e., how efficiently railroads move freight. The Board calculates this figure by comparing year-to-year the average cost of producing a unit of railroad output. Here, the Board presents its calculation for the change in railroad productivity for the 2020-2024 averaging period.

Decided: March 31, 2026

The Board proposes to adopt 1.015 (1.5% per year) as the measure of average (geometric mean) change in railroad productivity for the 2020-2024 (five-year) period. This represents an increase of 0.1% from the average for the 2019-2023 period.

Since 1989, the cost recovery procedures have required that the quarterly rail cost adjustment factor (RCAF)² be adjusted for long-run changes in railroad productivity. R.R. Cost Recovery Procs.—Productivity Adjustment, 5 I.C.C.2d 434 (1989); see also 49 U.S.C. § 10708. This long-run measure of productivity is computed using a five-year moving geometric average. Productivity Adjustment—Implementation, 9 I.C.C.2d 1072 (1993).

The productivity change for the year 2024 is 1.014, based on changes in input and output levels from 2023, and represents a decrease of 2.5% from the rate of productivity growth in 2023 relative to 2022 (1.040). Incorporating the 2024 value with the values for the 2020-2023 period produces a geometric average productivity growth of 1.015 for the five-year period 2020-2024, or 1.5% per year. As the new geometric mean was computed by replacing the 2019 figure of 1.007 with the larger figure of 1.014 for 2024, there was an increase of 0.1% in the geometric mean from last year's value. A detailed discussion of the Board's calculations is contained in the Appendix to this decision.

¹ The digest constitutes no part of the decision of the Board but has been prepared for the convenience of the reader. It may not be cited to or relied upon as precedent. See Pol'y Statement on Plain Language Digs. in Decisions, EP 696 (STB served Sept. 2, 2010).

² The RCAF is an index of railroad input prices that is published by the Board on a quarterly basis. See, e.g., Q. Rail Cost Adjustment Factor, EP 290 (Sub-No. 5) (2026-2) (STB served Mar. 20, 2026).

Comments may be filed addressing any perceived data and computational errors in the Board's calculation.³ Any party proposing a different estimate of productivity growth must, at the time it files comments, furnish the Board with one set of detailed workpapers and documentation underlying its calculations. The same information must be made available to other parties upon request.

It is ordered:

1. Comments are due by April 15, 2026.
2. Notice of this decision will be published in the Federal Register.
3. Unless a further order postponing the effective date is issued, this decision is effective on April 18, 2026.

By the Board, Board Members Fuchs, Hedlund, and Schultz.

³ Comments may be filed via e-filing on the Board's website at www.stb.gov. Comments must be served on all parties appearing on the service list. Comments will be posted to the Board's website.

APPENDIX

The following is a description of the methodology currently used to calculate the RCAF productivity adjustment.⁴ The annual rate of productivity change is calculated by dividing an output index by an input index.

The input index uses constant dollar-adjusted expenses. The inputs in this index—freight expenses, fixed charges and contingent interest—are stated on a constant dollar basis using the most recent year available as the base, and updating the base by the Series Rail Cost Recovery (RCR) Index published by the Association of American Railroads. Freight expenses, fixed charges, and contingent interest were obtained from railroad Annual Report (Form R-1) data.⁵ The 2024 Total Expense Constant Dollars for each of the six years was calculated by dividing a given year's RCR index value into the RCR index values for 2024 (691.7) and then multiplying that ratio by the Total Expense Unadjusted. The calculation of the input indices and values used are shown in Table A.

The 2024 output index was developed from the costed Waybill Sample, a commonly used data source. The costed Waybill Sample excludes movements lacking sufficient information for the application of unit costs.

Using the costed Waybill Sample as a base, each movement is assigned to one of the 189 segments or categories used to develop the output index. Segmentation is based on three mileage blocks, seven car types, three weight brackets, and three shipment sizes. The output index is a composite of the year-to-year change in ton-miles for each of the 189 segments weighted by each segment's base-year share of total revenues.

The change in productivity is calculated by dividing the output index by the input index. The multi-year average for the period 2020-2024 is calculated by taking a geometric mean, which was found to be 1.015 (1.5% per year). The input index, the output index, the annual productivity change, and the calculation of the 2020-2024 average are shown in Table B.

⁴ The development and application of the productivity adjustment is explained in Railroad Cost Recovery Procedures, 5 I.C.C.2d at 434.

⁵ Note that CPKC began reporting R-1 data which covers both KCS and CP (SOO) in 2024, the first full year of operations for the merged corporation. Since the R-1 items used in calculating the Total Expense Constant Dollars are summed across all Class I railroads, this does not impact the calculation.

| <p align="center">Table A Calculation of Input Indices</p> <p align="center">2019-2024</p> | | | | |
|---|-------------------------------------|---------------------------|------------------------------------|--|
| Year | Total Expense Unadjusted (000s) (1) | RCR Indices 2019-2024 (2) | Total Expense Constant Dollars (3) | Input Index Column (3) 2020/2019 etc (4) |
| 2019 | 49,822,096 | 551.2 | 62,521,669 | |
| 2020 | 43,767,410 | 535.6 | 56,523,371 | 0.904 |
| 2021 | 47,021,399 | 576.2 | 56,446,896 | 0.999 |
| 2022 | 55,657,939 | 668.4 | 57,598,139 | 1.020 |
| 2023 | 56,721,311 | 712.2 | 55,088,642 | 0.956 |
| 2024 | 55,183,259 | 691.7 | 55,183,259 | 1.002 |

| <p align="center">Table B Comparison of Output, Input, and Productivity</p> <p align="center">2020-2024</p> | | | |
|--|------------------|-----------------|--|
| Year | Output Index (1) | Input Index (2) | Productivity Change ⁶ Col (1)/Col (2) (3) |
| 2020 | 0.923 | 0.904 | 1.021 |
| 2021 | 1.028 | 0.999 | 1.029 |
| 2022 | 0.992 | 1.020 | 0.972 |
| 2023 | 0.995 | 0.956 | 1.040 |
| 2024 | 1.016 | 1.002 | 1.014 |
| Productivity Change Five-Year Moving Avg | | | 1.015 |

The five-year (2020-2024) productivity trend calculated using a geometric average is 1.015, or 1.5%.

⁶ The values shown in Column 3 are taken from the spreadsheet used to calculate productivity and, due to rounding, may not equal numbers calculated using the rounded numbers shown in Columns 1 and 2.