

# エチレン換算需給推移

経済産業省製造産業局素材産業課

(単位：千トン、%)

| 年別<br>暦年 | 輸出      |       | 輸入    |       | バランス    | エチレン生産  |      | 内需      |      | 輸出比率 | 輸入比率 |
|----------|---------|-------|-------|-------|---------|---------|------|---------|------|------|------|
|          | ①       | 前年比   | ②     | 前年比   | ①-②     | ③       | 前年比  | ③+②-①   | 前年比  | ①/③  | ②/内需 |
| 2010     | 2,435.3 | -17.2 | 534.6 | 31.3  | 1,900.7 | 7,017.6 | 1.5  | 5,116.8 | 16.8 | 34.7 | 10.4 |
| 2011     | 2,192.5 | -10.0 | 708.6 | 32.6  | 1,483.9 | 6,689.3 | -4.7 | 5,205.5 | 1.7  | 32.8 | 13.6 |
| 2012     | 1,909.6 | -12.9 | 704.3 | -0.6  | 1,205.3 | 6,145.2 | -8.1 | 4,939.9 | -5.1 | 31.1 | 14.3 |
| 2013     | 2,397.7 | 25.6  | 671.6 | -4.6  | 1,726.0 | 6,695.7 | 9.0  | 4,969.7 | 0.6  | 35.8 | 13.5 |
| 2014     | 2,192.7 | -8.5  | 736.8 | 9.7   | 1,455.9 | 6,647.1 | -0.7 | 5,191.2 | 4.5  | 33.0 | 14.2 |
| 2015     | 2,583.6 | 17.8  | 593.8 | -19.4 | 1,989.8 | 6,883.4 | 3.6  | 4,893.6 | -5.7 | 37.5 | 12.1 |
| 2016     | 2,233.7 | -13.5 | 769.5 | 29.6  | 1,464.2 | 6,278.9 | -8.8 | 4,814.7 | -1.6 | 35.6 | 16.0 |
| 2017     | 2,321.3 | 3.9   | 848.0 | 10.2  | 1,473.3 | 6,530.1 | 4.0  | 5,056.8 | 5.0  | 35.5 | 16.8 |
| 2018     | 2,134.0 | -8.1  | 882.5 | 4.1   | 1,251.5 | 6,156.6 | -5.7 | 4,905.1 | -3.0 | 34.7 | 18.0 |
| 2019     | 2,510.5 | 17.6  | 800.0 | -9.3  | 1,710.5 | 6,418.0 | 4.2  | 4,707.5 | -4.0 | 39.1 | 17.0 |

## 半期別

| 暦年   | 上下 | 輸出      |       | 輸入    |       | バランス   | エチレン生産  |       | 内需      |       | 輸出比率 | 輸入比率 |
|------|----|---------|-------|-------|-------|--------|---------|-------|---------|-------|------|------|
|      |    | ①       | 前年比   | ②     | 前年比   | ①-②    | ③       | 前年比   | ③+②-①   | 前年比   | ①/③  | ②/内需 |
| 2010 | 上  | 1,161.3 | -25.7 | 274.7 | 37.5  | 886.6  | 3,352.9 | 5.8   | 2,466.4 | 36.4  | 34.6 | 11.1 |
|      | 下  | 1,274.0 | -7.6  | 259.8 | 25.3  | 1014.2 | 3,664.6 | -2.1  | 2,650.4 | 3.1   | 34.8 | 9.8  |
| 2011 | 上  | 1,052.2 | -9.4  | 383.4 | 39.5  | 668.9  | 3,338.8 | -0.4  | 2,669.9 | 8.3   | 31.5 | 14.4 |
|      | 下  | 1,140.3 | -10.5 | 325.3 | 25.2  | 815.0  | 3,350.6 | -8.6  | 2,535.5 | -4.3  | 34.0 | 12.8 |
| 2012 | 上  | 895.1   | -14.9 | 361.3 | -5.8  | 533.8  | 2,960.5 | -11.3 | 2,426.7 | -9.1  | 30.2 | 14.9 |
|      | 下  | 1,014.4 | -11.0 | 343.0 | 5.5   | 671.4  | 3,184.6 | -5.0  | 2,513.2 | -0.9  | 31.9 | 13.6 |
| 2013 | 上  | 1,164.5 | 30.1  | 338.7 | -6.2  | 825.7  | 3,281.9 | 10.9  | 2,456.1 | 1.2   | 35.5 | 13.8 |
|      | 下  | 1,233.2 | 21.6  | 332.9 | -2.9  | 900.3  | 3,413.9 | 7.2   | 2,513.6 | 0.0   | 36.1 | 13.2 |
| 2014 | 上  | 1,086.7 | -6.7  | 397.7 | 17.4  | 689.0  | 3,243.6 | -1.2  | 2,554.6 | 4.0   | 33.5 | 15.6 |
|      | 下  | 1,106.0 | -10.3 | 339.2 | 1.9   | 766.8  | 3,403.5 | -0.3  | 2,636.7 | 4.9   | 32.5 | 12.9 |
| 2015 | 上  | 1,392.3 | 28.1  | 314.5 | -20.9 | 1077.8 | 3,369.6 | 3.9   | 2,291.8 | -10.3 | 41.3 | 13.7 |
|      | 下  | 1,191.3 | 7.7   | 279.3 | -17.6 | 912.0  | 3,513.8 | 3.2   | 2,601.8 | -1.3  | 33.9 | 10.7 |
| 2016 | 上  | 1,160.8 | -16.6 | 369.5 | 17.5  | 791.3  | 3,147.4 | -6.6  | 2,356.1 | 2.8   | 36.9 | 15.7 |
|      | 下  | 1,072.9 | -9.9  | 400.0 | 43.2  | 672.9  | 3,131.5 | -10.9 | 2,458.6 | -5.5  | 34.3 | 16.3 |
| 2017 | 上  | 1,210.0 | 4.2   | 435.2 | 17.8  | 774.8  | 3,238.6 | 2.9   | 2,463.8 | 4.6   | 37.4 | 17.7 |
|      | 下  | 1,111.3 | 3.6   | 412.8 | 3.2   | 698.5  | 3,291.5 | 5.1   | 2,593.0 | 5.5   | 33.8 | 15.9 |
| 2018 | 上  | 1,061.8 | -12.2 | 458.1 | 5.3   | 603.7  | 2,992.9 | -7.6  | 2,389.2 | -3.0  | 35.5 | 19.2 |
|      | 下  | 1,072.2 | -3.5  | 424.4 | 2.8   | 647.8  | 3,163.7 | -3.9  | 2,515.9 | -3.0  | 33.9 | 16.9 |
| 2019 | 上  | 1,209.5 | 13.9  | 411.7 | -10.1 | 797.8  | 3,142.5 | 5.0   | 2,344.7 | -1.9  | 38.5 | 17.6 |
|      | 下  | 1,301.0 | 21.3  | 388.3 | -8.5  | 912.7  | 3,275.5 | 3.5   | 2,362.8 | -6.1  | 39.7 | 16.4 |
| 2020 | 上  | 1,127.2 | -6.8  | 389.2 | -5.5  | 738.0  | 2,815.6 | -10.4 | 2,077.6 | -11.4 | 40.0 | 18.7 |

## 四半期

| 暦年   |    | 輸出    |       | 輸入    |       | バランス  | エチレン生産  |       | 内需      |       | 輸出比率 | 輸入比率 |
|------|----|-------|-------|-------|-------|-------|---------|-------|---------|-------|------|------|
|      |    | ①     | 前年比   | ②     | 前年比   | ①-②   | ③       | 前年比   | ③+②-①   | 前年比   | ①/③  | ②/内需 |
| 2017 | 1Q | 618.5 | 2.1   | 209.2 | 16.5  | 409.3 | 1,672.1 | 0.5   | 1,262.8 | 2.0   | 37.0 | 16.6 |
|      | 2Q | 591.5 | 6.6   | 226.0 | 18.9  | 365.5 | 1,566.5 | 5.6   | 1,201.0 | 7.4   | 37.8 | 18.8 |
|      | 3Q | 552.4 | 16.0  | 211.6 | -1.5  | 340.8 | 1,606.7 | 9.0   | 1,265.9 | 4.3   | 34.4 | 16.7 |
|      | 4Q | 558.9 | -6.4  | 201.2 | 8.6   | 357.7 | 1,684.8 | 1.7   | 1,327.1 | 6.6   | 33.2 | 15.2 |
| 2018 | 1Q | 564.2 | -8.8  | 230.5 | 10.2  | 333.7 | 1,600.9 | -4.3  | 1,267.2 | 0.3   | 35.2 | 18.2 |
|      | 2Q | 497.6 | -15.9 | 227.6 | 0.7   | 270.0 | 1,392.0 | -11.1 | 1,122.0 | -6.6  | 35.7 | 20.3 |
|      | 3Q | 446.1 | -19.2 | 223.7 | 5.7   | 222.4 | 1,489.2 | -7.3  | 1,266.8 | 0.1   | 30.0 | 17.7 |
|      | 4Q | 626.1 | 12.0  | 200.7 | -0.2  | 425.4 | 1,674.5 | -0.6  | 1,249.1 | -5.9  | 37.4 | 16.1 |
| 2019 | 1Q | 609.5 | 8.0   | 220.3 | -4.4  | 389.2 | 1,630.5 | 1.8   | 1,241.3 | -2.0  | 37.4 | 17.7 |
|      | 2Q | 600.0 | 20.6  | 191.4 | -15.9 | 408.6 | 1,512.0 | 8.6   | 1,103.4 | -1.7  | 39.7 | 17.3 |
|      | 3Q | 615.7 | 38.0  | 199.5 | -10.8 | 416.2 | 1,601.0 | 7.5   | 1,184.8 | -6.5  | 38.5 | 16.8 |
|      | 4Q | 685.3 | 9.5   | 188.8 | -5.9  | 496.5 | 1,674.5 | 0.0   | 1,178.0 | -5.7  | 40.9 | 16.0 |
| 2020 | 1Q | 569.6 | -6.5  | 213.9 | -2.9  | 355.7 | 1,494.3 | -8.4  | 1,138.6 | -8.3  | 38.1 | 18.8 |
|      | 2Q | 557.6 | -7.1  | 175.3 | -8.4  | 382.3 | 1,321.3 | -12.6 | 939.0   | -14.9 | 42.2 | 18.7 |

経済産業省製造産業局素材産業課

(単位：千トン、%)

月別

| 暦年   |    | 輸出    |        | 輸入   |        | バランス  | イソ生産  |       | 内需    |       | 輸出比率 | 輸入比率 |
|------|----|-------|--------|------|--------|-------|-------|-------|-------|-------|------|------|
|      |    | ①     | 前年比    | ②    | 前年比    | ①-②   | ③     | 前年比   | ③+②-① | 前年比   | ①/③  | ②/内需 |
| 2017 | 1  | 190.8 | -1.0   | 59.6 | 5.1    | 131.2 | 590.1 | -1.8  | 458.9 | -1.3  | 32.3 | 13.0 |
|      | 2  | 195.6 | 1.2    | 74.8 | 20.5   | 120.8 | 514.9 | -4.2  | 394.1 | -3.0  | 38.0 | 19.0 |
|      | 3  | 232.1 | 5.5    | 74.8 | 23.2   | 157.3 | 567.1 | 7.7   | 409.8 | 11.6  | 40.9 | 18.3 |
|      | 4  | 206.6 | -1.3   | 60.2 | -17.0  | 146.4 | 549.8 | 3.7   | 403.4 | 2.5   | 37.6 | 14.9 |
|      | 5  | 200.4 | 13.0   | 97.3 | 57.4   | 103.1 | 536.0 | 5.9   | 432.9 | 10.8  | 37.4 | 22.5 |
|      | 6  | 184.5 | 9.7    | 68.5 | 23.0   | 116.0 | 480.7 | 7.7   | 364.7 | 9.3   | 38.4 | 18.8 |
|      | 7  | 173.1 | 9.5    | 76.5 | 13.3   | 96.6  | 511.9 | 2.5   | 415.3 | 1.6   | 33.8 | 18.4 |
|      | 8  | 189.2 | 10.0   | 75.7 | 7.2    | 113.5 | 560.3 | 11.0  | 446.8 | 10.7  | 33.8 | 16.9 |
|      | 9  | 190.1 | 30.2   | 59.4 | -22.6  | 130.7 | 534.5 | 13.7  | 403.8 | 0.7   | 35.6 | 14.7 |
|      | 10 | 176.8 | -1.2   | 57.0 | -21.9  | 119.8 | 546.0 | 5.2   | 426.2 | 3.2   | 32.4 | 13.4 |
|      | 11 | 193.9 | -6.1   | 69.1 | 23.8   | 124.8 | 561.6 | 0.7   | 436.8 | 7.3   | 34.5 | 15.8 |
|      | 12 | 188.2 | -10.9  | 75.1 | 33.2   | 113.1 | 577.2 | -0.5  | 464.1 | 9.1   | 32.6 | 16.2 |
| 2018 | 1  | 197.5 | 3.5    | 77.1 | 29.4   | 120.4 | 584.4 | -1.0  | 464.0 | 1.1   | 33.8 | 16.6 |
|      | 2  | 169.2 | -13.5  | 73.3 | -2.0   | 95.9  | 522.0 | 1.4   | 426.1 | 8.1   | 32.4 | 17.2 |
|      | 3  | 197.5 | -14.9  | 80.1 | 7.1    | 117.4 | 494.5 | -12.8 | 377.1 | -8.0  | 39.9 | 21.2 |
|      | 4  | 164.2 | -20.5  | 95.8 | 59.1   | 68.4  | 483.9 | -12.0 | 415.5 | 3.0   | 33.9 | 23.1 |
|      | 5  | 174.7 | -12.8  | 70.1 | -28.0  | 104.6 | 499.1 | -6.9  | 394.5 | -8.9  | 35.0 | 17.8 |
|      | 6  | 158.7 | -14.0  | 61.7 | -9.9   | 97.0  | 409.0 | -14.9 | 312.0 | -14.5 | 38.8 | 19.8 |
|      | 7  | 151.0 | -12.8  | 84.2 | 10.1   | 66.8  | 496.0 | -3.1  | 429.2 | 3.3   | 30.4 | 19.6 |
|      | 8  | 157.6 | -16.7  | 75.7 | 0.0    | 81.9  | 517.1 | -7.7  | 435.2 | -2.6  | 30.5 | 17.4 |
|      | 9  | 137.5 | -27.7  | 63.8 | 7.4    | 73.7  | 476.1 | -10.9 | 402.4 | -0.3  | 28.9 | 15.9 |
|      | 10 | 195.9 | 10.8   | 76.2 | 33.7   | 119.7 | 552.5 | 1.2   | 432.8 | 1.5   | 35.5 | 17.6 |
|      | 11 | 223.4 | 15.2   | 67.2 | -2.8   | 156.2 | 559.2 | -0.4  | 403.0 | -7.7  | 39.9 | 16.7 |
|      | 12 | 206.8 | 9.9    | 57.3 | -23.7  | 149.5 | 562.8 | -2.5  | 413.3 | -10.9 | 36.7 | 13.9 |
| 2019 | 1  | 198.1 | 0.3    | 78.9 | 2.3    | 119.2 | 580.2 | -0.7  | 461.0 | -0.6  | 34.1 | 17.1 |
|      | 2  | 189.7 | 12.1   | 71.0 | -3.1   | 118.7 | 487.5 | -6.6  | 368.8 | -13.4 | 38.9 | 19.3 |
|      | 3  | 221.7 | 12.3   | 70.4 | -12.1  | 151.3 | 562.8 | 13.8  | 411.5 | 9.1   | 39.4 | 17.1 |
|      | 4  | 217.8 | 32.6   | 68.1 | -28.9  | 149.7 | 515.7 | 6.6   | 366.0 | -11.9 | 42.2 | 18.6 |
|      | 5  | 201.5 | 15.3   | 68.4 | -2.4   | 133.1 | 501.4 | 0.5   | 368.3 | -6.6  | 40.2 | 18.6 |
|      | 6  | 180.7 | 13.9   | 54.9 | -11.0  | 125.8 | 494.9 | 21.0  | 369.1 | 18.3  | 36.5 | 14.9 |
|      | 7  | 212.0 | 40.4   | 71.3 | -15.3  | 140.7 | 516.8 | 4.2   | 376.1 | -12.4 | 41.0 | 19.0 |
|      | 8  | 192.0 | 21.8   | 68.3 | -9.8   | 123.7 | 551.0 | 6.6   | 427.3 | -1.8  | 34.8 | 16.0 |
|      | 9  | 211.7 | 54.0   | 59.9 | -6.1   | 151.8 | 533.2 | 12.0  | 381.4 | -5.2  | 39.7 | 15.7 |
|      | 10 | 219.9 | 12.3   | 62.2 | -18.4  | 157.7 | 558.6 | 1.1   | 400.9 | -7.4  | 39.4 | 15.5 |
|      | 11 | 234.7 | 5.1    | 70.9 | 5.5    | 163.8 | 551.9 | -1.3  | 388.1 | -3.7  | 42.5 | 18.3 |
|      | 12 | 230.7 | 11.6   | 55.7 | -2.8   | 175.0 | 564.0 | 0.2   | 389.0 | -5.9  | 40.9 | 14.3 |
| 2020 | 1  | 172.8 | -12.8  | 84.4 | 7.0    | 88.4  | 518.3 | -10.7 | 429.9 | -6.7  | 33.3 | 19.6 |
|      | 2  | 176.1 | -7.2   | 67.3 | -5.2   | 108.8 | 522.6 | 7.2   | 413.8 | 12.2  | 33.7 | 16.3 |
|      | 3  | 220.7 | -0.5   | 62.2 | -11.6  | 158.5 | 453.4 | -19.4 | 294.9 | -28.3 | 48.7 | 21.1 |
|      | 4  | 177.1 | -18.7  | 64.1 | -5.9   | 113.0 | 464.8 | -9.9  | 351.8 | -3.9  | 38.1 | 18.2 |
|      | 5  | 183.7 | -8.8   | 54.7 | -20.0  | 129.0 | 438.1 | -12.6 | 309.1 | -16.1 | 41.9 | 17.7 |
|      | 6  | 196.8 | 8.9    | 56.5 | 2.9    | 140.3 | 418.4 | -15.5 | 278.1 | -24.7 | 47.0 | 20.3 |
|      | 7  | 198.1 | -6.6   | 57.1 | -19.9  | 141.0 | 501.1 | -3.0  | 360.1 | -4.3  | 39.5 | 15.9 |
|      | 8  |       | -100.0 |      | -100.0 | 0.0   | 543.0 | -1.5  | 543.0 | 27.1  | 0.0  | 0.0  |

(注) エチレン換算輸出入は、財務省「貿易統計」を基に主要エチレン系製品をそれぞれの原単位により原料であるエチレンの量に換算した。