

**UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION**

Washington, D.C. 20549

**Form 10-Q**

☒ **QUARTERLY REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934**

For the quarterly period ended March 31, 2024

or

☐ **TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF  
THE SECURITIES EXCHANGE ACT OF 1934**

For the transition period from \_\_\_\_\_ to \_\_\_\_\_

Commission file number: 001-34726

**LYONDELLBASELL INDUSTRIES N.V.**

(Exact name of registrant as specified in its charter)

Netherlands

98-0646235

(State or other  
jurisdiction of  
incorporation or  
organization)

(I.R.S. Employer  
Identification No.)

1221 McKinney  
St.,  
Suite 300  
Houston, Texas  
USA 77010

4th Floor, One Vine  
Street  
London  
W1J0AH  
United Kingdom

Delftseplein 27E  
3013AA Rotterdam  
Netherlands

(Address of principal executive offices) (Zip code)

(713) 309-7200

+44 207 220  
(0) 2600

+31 10 2755  
(0) 500

(Registrant's telephone numbers, including area codes)

---

(Former name, former address and former fiscal year, if changed since last report)

Securities registered pursuant to Section 12(b) of the Act:

| <u>Title of Each Class</u>          | <u>Trading Symbol</u> | <u>Name of Each Exchange On<br/>Which Registered</u> |
|-------------------------------------|-----------------------|--|
| Ordinary Shares, €0.04 Par<br>Value | LYB                   | New York Stock Exchange                              |

Indicate by check mark whether the registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months

(or for such shorter period that the registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes ☒ No ☐

Indicate by check mark whether the registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the registrant was required to submit such files). Yes ☒ No ☐

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company, or an emerging growth company. See the definitions of “large accelerated filer,” “accelerated filer,” “smaller reporting company,” and “emerging growth company” in Rule 12b-2 of the Exchange Act.

|                         |                                     |                           |                          |
|-------------------------|-------------------------------------|---------------------------|--------------------------|
| Large accelerated filer | <input checked="" type="checkbox"/> | Accelerated filer         | <input type="checkbox"/> |
| Non-accelerated filer   | <input type="checkbox"/>            | Smaller reporting company | <input type="checkbox"/> |
| Emerging growth company | <input type="checkbox"/>            |                           |                          |

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act). Yes ☐ No ☒

The registrant had 325,622,260 ordinary shares, €0.04 par value, outstanding at April 24, 2024 (excluding 14,800,238 treasury shares).

---

**LYONDELLBASELL INDUSTRIES N.V.**

**TABLE OF CONTENTS**

|   | <b>Page</b>        |
|---|--------------------|
| <a href="#">Part I – Financial Information</a>  | <a href="#">1</a>  |
| <a href="#">Item 1. Consolidated Financial Statements (Unaudited)</a>   | <a href="#">1</a>  |
| <a href="#">Consolidated Statements of Income</a>   | <a href="#">1</a>  |
| <a href="#">Consolidated Statements of Comprehensive Income</a>   | <a href="#">2</a>  |
| <a href="#">Consolidated Balance Sheets</a>   | <a href="#">3</a>  |
| <a href="#">Consolidated Statements of Cash Flows</a>   | <a href="#">5</a>  |
| <a href="#">Consolidated Statements of Shareholders’ Equity</a>   | <a href="#">6</a>  |
| <a href="#">Notes to the Consolidated Financial Statements</a>  | <a href="#">7</a>  |
| <a href="#">Item 2. Management’s Discussion and Analysis of Financial Condition and Results of Operations</a> | <a href="#">27</a> |
| <a href="#">Item 3. Quantitative and Qualitative Disclosures About Market Risk</a>                            | <a href="#">43</a> |
| <a href="#">Item 4. Controls and Procedures</a>   | <a href="#">44</a> |
| <a href="#">Part II – Other Information</a>   | <a href="#">45</a> |
| <a href="#">Item 1. Legal Proceedings</a>   | <a href="#">45</a> |
| <a href="#">Item 1A. Risk Factors</a>   | <a href="#">45</a> |
| <a href="#">Item 2. Unregistered Sales of Equity Securities and Use of Proceeds</a>                           | <a href="#">45</a> |
| <a href="#">Item 4. Mine Safety Disclosures</a>   | <a href="#">45</a> |
| <a href="#">Item 5. Other Information</a>   | <a href="#">45</a> |
| <a href="#">Item 6. Exhibits</a>  | <a href="#">46</a> |
| <a href="#">Signature</a>   | <a href="#">47</a> |

---

[Table of Contents](#)

**PART I. FINANCIAL INFORMATION**

**ITEM 1. CONSOLIDATED FINANCIAL STATEMENTS (UNAUDITED)**

**LYONDELLBASELL INDUSTRIES N.V.  
CONSOLIDATED STATEMENTS OF INCOME**

| Millions of dollars, except earnings per share                               | Three Months Ended<br>March 31, |           |
|--|---------------------------------|-----------|
|  | 2024                            | 2023      |
| <b>Sales and other operating revenues:</b>                                   |                                 |           |
| Trade  | \$ 9,757                        | \$ 10,076 |
| Related parties  | 168                             | 171       |
|  | 9,925                           | 10,247    |
| <b>Operating costs and expenses:</b>   |                                 |           |
| Cost of sales  | 8,763                           | 8,864     |
| Impairments  | —                               | 252       |
| Selling, general and administrative expenses                                 | 426                             | 385       |
| Research and development expenses  | 32                              | 33        |
|  | 9,221                           | 9,534     |
| <b>Operating income</b>  | 704                             | 713       |
| Interest expense   | (127)                           | (116)     |
| Interest income  | 41                              | 23        |
| Other income, net  | 5                               | 5         |
| Income from continuing operations before equity investments and income taxes | 623                             | 625       |
| (Loss) income from equity investments  | (27)                            | 17        |
| Income from continuing operations before income taxes                        | 596                             | 642       |
| Provision for income taxes   | 122                             | 167       |
| Income from continuing operations  | 474                             | 475       |
| Loss from discontinued operations, net of tax                                | (1)                             | (1)       |
| <b>Net income</b>  | 473                             | 474       |
| Dividends on redeemable non-controlling interests                            | (2)                             | (2)       |
| Net income attributable to the Company shareholders                          | \$ 471                          | \$ 472    |
| <b>Earnings per share:</b>   |                                 |           |
| <b>Net income attributable to the Company shareholders —</b>                 |                                 |           |
| Basic  |                                 |           |
| Continuing operations  | \$ 1.45                         | \$ 1.45   |
| Discontinued operations  | —                               | —         |
|  | \$ 1.45                         | \$ 1.45   |
| Diluted  |                                 |           |
| Continuing operations  | \$ 1.44                         | \$ 1.44   |
| Discontinued operations  | —                               | —         |
|  | \$ 1.44                         | \$ 1.44   |

See Notes to the Consolidated Financial Statements.

---

**LYONDELLBASELL INDUSTRIES N.V.**  
**CONSOLIDATED STATEMENTS OF COMPREHENSIVE INCOME**

| <b>Millions of dollars</b>                                     | <b>Three Months Ended<br/>March 31,</b> |             |
|--|---|-------------|
|  | <b>2024</b>                             | <b>2023</b> |
| Net income   | \$ 473                                  | \$ 474      |
| Other comprehensive income (loss), net of tax –                |   |             |
| Financial derivatives  | 1                                       | 4           |
| Defined benefit pension and other postretirement benefit plans | 3                                       | 2           |
| Foreign currency translations                                  | (60)                                    | 59          |
| Total other comprehensive (loss) income, net of tax            | (56)                                    | 65          |
| Comprehensive income   | 417                                     | 539         |
| Dividends on redeemable non-controlling interests              | (2)                                     | (2)         |
| Comprehensive income attributable to the Company shareholders  | \$ 415                                  | \$ 537      |

See Notes to the Consolidated Financial Statements.

**LYONDELLBASELL INDUSTRIES N.V.**  
**CONSOLIDATED BALANCE SHEETS**

| <b>Millions of dollars</b>                | <b>March 31,<br/>2024</b> | <b>December<br/>31,<br/>2023</b> |
|---|---------------------------|----------------------------------|
| <b>ASSETS</b>                             |                           |                                  |
| Current assets:                           |                           |                                  |
| Cash and cash equivalents                 | \$ 2,314                  | \$ 3,390                         |
| Restricted cash                           | 17                        | 15                               |
| Accounts receivable:                      |                           |                                  |
| Trade, net                                | 4,001                     | 3,356                            |
| Related parties                           | 190                       | 151                              |
| Inventories                               | 4,853                     | 4,765                            |
| Prepaid expenses and other current assets | 1,500                     | 1,475                            |
| Total current assets                      | 12,875                    | 13,152                           |
| Operating lease assets                    | 1,481                     | 1,529                            |
| Property, plant and equipment             | 25,025                    | 24,906                           |
| Less: Accumulated depreciation            | (9,493)                   | (9,359)                          |
| Property, plant and equipment, net        | 15,532                    | 15,547                           |
| Equity investments                        | 3,845                     | 3,907                            |
| Goodwill                                  | 1,628                     | 1,647                            |
| Intangible assets, net                    | 631                       | 641                              |
| Other assets                              | 632                       | 577                              |
| <b>Total assets</b>                       | <b>\$ 36,624</b>          | <b>\$ 37,000</b>                 |

See Notes to the Consolidated Financial Statements.



**LYONDELLBASELL INDUSTRIES N.V.**  
**CONSOLIDATED BALANCE SHEETS**

|   | March 31,<br>2024 | December<br>31,<br>2023 |
|---|-------------------|-------------------------|
| <b>Millions of dollars, except shares and par value data</b>  |                   |                         |
| <b>LIABILITIES, REDEEMABLE NON-CONTROLLING INTERESTS AND EQUITY</b>   |                   |                         |
| Current liabilities:  |                   |                         |
| Current maturities of long-term debt  | \$ 7              | \$ 782                  |
| Short-term debt   | 164               | 117                     |
| Accounts payable:   |                   |                         |
| Trade   | 3,486             | 3,354                   |
| Related parties   | 486               | 461                     |
| Accrued and other current liabilities   | 1,944             | 2,436                   |
| Total current liabilities   | 6,087             | 7,150                   |
| Long-term debt  | 11,023            | 10,333                  |
| Operating lease liabilities   | 1,380             | 1,409                   |
| Other liabilities   | 2,157             | 2,164                   |
| Deferred income taxes   | 2,870             | 2,886                   |
| Commitments and contingencies   |                   |                         |
| Redeemable non-controlling interests  | 114               | 114                     |
| Shareholders' equity:   |                   |                         |
| Ordinary shares, €0.04 par value, 1,275 million shares authorized, 325,365,833 and 324,483,402 shares outstanding, respectively | 19                | 19                      |
| Additional paid-in capital  | 6,112             | 6,145                   |
| Retained earnings   | 9,752             | 9,692                   |
| Accumulated other comprehensive loss  | (1,532)           | (1,476)                 |
| Treasury stock, at cost, 15,056,665 and 15,939,096 ordinary shares, respectively  | (1,372)           | (1,450)                 |
| Total Company share of shareholders' equity   | 12,979            | 12,930                  |
| Non-controlling interests   | 14                | 14                      |
| Total equity  | 12,993            | 12,944                  |
| Total liabilities, redeemable non-controlling interests and equity  | \$ 36,624         | \$ 37,000               |

See Notes to the Consolidated Financial Statements.

---

[Table of Contents](#)

**LYONDELLBASELL INDUSTRIES N.V.**  
**CONSOLIDATED STATEMENTS OF CASH FLOWS**

| Millions of dollars   | Three Months Ended<br>March 31, |                 |
|---|---------------------------------|-----------------|
|   | 2024                            | 2023            |
| <b>Cash flows from operating activities:</b>  |                                 |                 |
| Net income  | \$ 473                          | \$ 474          |
| Adjustments to reconcile net income to net cash (used in) provided by operating activities: |                                 |                 |
| Depreciation and amortization   | 365                             | 396             |
| Impairments   | —                               | 252             |
| Amortization of debt-related costs  | 2                               | 3               |
| Share-based compensation  | 34                              | 24              |
| Equity investments—   |                                 |                 |
| Equity loss (income)  | 27                              | (17)            |
| Distributions of earnings, net of tax   | 1                               | 22              |
| Deferred income tax (benefit) provision   | (9)                             | 6               |
| Changes in assets and liabilities that provided (used) cash:                                |                                 |                 |
| Accounts receivable   | (717)                           | (279)           |
| Inventories   | (108)                           | (319)           |
| Accounts payable  | 196                             | 40              |
| Other, net  | (378)                           | (120)           |
| Net cash (used in) provided by operating activities   | (114)                           | 482             |
| <b>Cash flows from investing activities:</b>  |                                 |                 |
| Expenditures for property, plant and equipment  | (483)                           | (352)           |
| Other, net  | (27)                            | (19)            |
| Net cash used in investing activities   | (510)                           | (371)           |
| <b>Cash flows from financing activities:</b>  |                                 |                 |
| Repurchases of Company ordinary shares  | —                               | (70)            |
| Dividends paid - common stock   | (408)                           | (389)           |
| Issuance of long-term debt  | 744                             | —               |
| Payments of debt issuance costs   | (7)                             | —               |
| Repayment of long-term debt   | (775)                           | —               |
| Other, net  | 34                              | (18)            |
| Net cash used in financing activities   | (412)                           | (477)           |
| Effect of exchange rate changes on cash   | (38)                            | 14              |
| <b>Decrease in cash and cash equivalents and restricted cash</b>                            | <b>(1,074)</b>                  | <b>(352)</b>    |
| Cash and cash equivalents and restricted cash at beginning of period                        | 3,405                           | 2,156           |
| Cash and cash equivalents and restricted cash at end of period                              | <u>\$ 2,331</u>                 | <u>\$ 1,804</u> |

See Notes to the Consolidated Financial Statements.



**LYONDELLBASELL INDUSTRIES N.V.**  
**CONSOLIDATED STATEMENTS OF SHAREHOLDERS' EQUITY**

| <b>Millions of<br/>dollars</b>  | <b><u>Ordinary Shares</u></b> |                  | <b>Additional<br/>Paid-in<br/>Capital</b> | <b>Retained<br/>Earnings</b> | <b>Accumulated<br/>Other<br/>Comprehensive<br/>Loss</b> | <b>Company<br/>Share of<br/>Shareholders'<br/>Equity</b> | <b>Non-<br/>Controlling<br/>Interests</b> |
|---|-------------------------------|------------------|---|------------------------------|---|--|---|
|   | <b>Issued</b>                 | <b>Treasury</b>  |   |                              |   |  |   |
| Balance,<br>December 31,<br>2023  | \$ 19                         | \$(1,450)        | \$ 6,145                                  | \$ 9,692                     | \$ (1,476)  | \$ 12,930  | \$ 14                                     |
| Net income  | —                             | —                | —   | 473                          | —   | 473  | —   |
| Other<br>comprehensive<br>loss  | —                             | —                | —   | —                            | (56)  | (56)   | —   |
| Share-based<br>compensation   | —                             | 78               | (33)                                      | (3)                          | —   | 42   | —   |
| Dividends -<br>common stock<br>(\$1.25 per<br>share)                                | —                             | —                | —   | (408)                        | —   | (408)  | —   |
| Dividends -<br>redeemable<br>non-controlling<br>interests<br>(\$15.00 per<br>share) | —                             | —                | —   | (2)                          | —   | (2)  | —   |
| Balance, March<br>31, 2024  | <u>\$ 19</u>                  | <u>\$(1,372)</u> | <u>\$ 6,112</u>                           | <u>\$ 9,752</u>              | <u>\$ (1,532)</u>                                       | <u>\$ 12,979</u>   | <u>\$ 14</u>                              |

| <b>Ordinary Shares</b>   |               |                  |                                   |                          |   |  |                                  |
|--|---------------|------------------|-----------------------------------|--------------------------|---|--|----------------------------------|
| <b>Millions of dollars</b>   | <b>Issued</b> | <b>Treasury</b>  | <b>Additional Paid-in Capital</b> | <b>Retained Earnings</b> | <b>Accumulated Other Comprehensive Loss</b> | <b>Company Share of Shareholders' Equity</b> | <b>Non-Controlling Interests</b> |
| Balance, December 31, 2022   | \$ 19         | \$(1,346)        | \$ 6,119                          | \$ 9,195                 | \$ (1,372)                                  | \$ 12,615                                    | \$ 14                            |
| Net income   | —             | —                | —                                 | 474                      | —   | 474  | —                                |
| Other comprehensive income   | —             | —                | —                                 | —                        | 65  | 65   | —                                |
| Share-based compensation   | —             | 60               | (27)                              | (1)                      | —   | 32   | —                                |
| Dividends - common stock (\$1.19 per share)                          | —             | —                | —                                 | (389)                    | —   | (389)  | —                                |
| Dividends - redeemable non-controlling interests (\$15.00 per share) | —             | —                | —                                 | (2)                      | —   | (2)  | —                                |
| Repurchases of Company ordinary shares                               | —             | (74)             | —                                 | —                        | —   | (74)   | —                                |
| Balance, March 31, 2023  | <u>\$ 19</u>  | <u>\$(1,360)</u> | <u>\$ 6,092</u>                   | <u>\$ 9,277</u>          | <u>\$ (1,307)</u>                           | <u>\$ 12,721</u>                             | <u>\$ 14</u>                     |

See Notes to the Consolidated Financial Statements.

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS**

**TABLE OF CONTENTS**

|   | <b>Page</b> |
|---|-------------|
| 1. <a href="#">Basis of Presentation</a>  | 8           |
| 2. <a href="#">Accounting and Reporting Changes</a>                               | 8           |
| 3. <a href="#">Asset Held for Sale</a>  | 9           |
| 4. <a href="#">Revenues</a>   | 10          |
| 5. <a href="#">Accounts Receivable</a>  | 11          |
| 6. <a href="#">Inventories</a>  | 11          |
| 7. <a href="#">Debt</a>   | 12          |
| 8. <a href="#">Financial Instruments and Fair Value Measurements</a>              | 15          |
| 9. <a href="#">Income Taxes</a>   | 18          |
| 10. <a href="#">Commitments and Contingencies</a>                                 | 18          |
| 11. <a href="#">Shareholders' Equity and Redeemable Non-controlling Interests</a> | 19          |
| 12. <a href="#">Per Share Data</a>  | 23          |
| 13. <a href="#">Segment and Related Information</a>                               | 24          |



**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS**

**1. Basis of Presentation**

LyondellBasell Industries N.V. is a limited liability company (Naamloze Vennootschap) incorporated under Dutch law by deed of incorporation dated October 15, 2009. Unless otherwise indicated, the “Company,” “we,” “us,” “our” or similar words are used to refer to LyondellBasell Industries N.V. together with its consolidated subsidiaries (“LyondellBasell N.V.”). LyondellBasell N.V. is a worldwide manufacturer of chemicals and polymers, a refiner of crude oil, a producer of gasoline blending components and a developer and licensor of technologies for the production of polymers.

The accompanying unaudited Consolidated Financial Statements have been prepared from the books and records of LyondellBasell N.V. in accordance with the instructions to Form 10-Q and Rule 10-01 of Regulation S-X for interim financial information. Certain notes and other information have been condensed or omitted from the interim financial statements included in this report. Accordingly, they do not include all of the information and notes required by accounting principles generally accepted in the United States (“U.S. GAAP”) for complete financial statements. These Consolidated Financial Statements should be read in conjunction with the Consolidated Financial Statements and notes thereto included in the Company’s Annual Report on Form 10-K for the year ended December 31, 2023. In the opinion of management, all adjustments, including normal recurring adjustments, considered necessary for a fair statement have been included. These statements contain some amounts that are based upon management estimates and judgments. Future actual results could differ from such current estimates. The results for interim periods are not necessarily indicative of results for the entire year.

**2. Accounting and Reporting Changes**

**Recently Adopted Guidance**

There were no new Accounting Standard Updates (“ASU”) adopted in the quarter ended March 31, 2024 that had a material impact on the Consolidated Financial Statements.

**Accounting Guidance Issued But Not Adopted as of March 31, 2024**

**Segment Disclosures**—In November 2023, the FASB issued ASU 2023-07, Segment Reporting (Topic 280): Improvements to Reportable Segment Disclosures. The guidance improves the disclosures about a public entity’s reportable segments and addresses requests from investors for additional detailed information about a reportable segment’s expenses. The guidance is effective for fiscal years beginning after December 15, 2023 and interim periods within fiscal years beginning after December 15, 2024. Early adoption is permitted. We are currently assessing the impact of adopting the new guidance on the Consolidated Financial Statements.

**Income Tax Disclosures**—In December 2023, the FASB issued ASU 2023-09, Income Taxes (Topic 74): Improvements to Income Tax Disclosures. The guidance requires companies to

disclose certain specific categories in the rate reconciliation and provide additional information for reconciling items that meet the quantitative threshold of 5% of the expected tax using the applicable statutory income tax rate. There is also a required disclosure to provide the net income taxes paid or received disaggregated by federal, state, and foreign taxes with jurisdictions to be separately disclosed if the jurisdiction is 5% or more of the total net income taxes paid or received. The guidance is effective for annual periods beginning after December 15, 2024. Earlier adoption is permitted. We are currently assessing the impact of adopting the new guidance on the Consolidated Financial Statements.

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

**3. Assets Held for Sale**

During the fourth quarter of 2023, we entered into an agreement to sell our U.S. Gulf Coast-based ethylene oxide and derivatives (“EO&D”) business along with the production facility located in Bayport, TX for cash consideration of \$700 million, subject to working capital and other adjustments. The EO&D business had been identified as a non-core business within our Intermediates and Derivatives segment. The transaction is expected to close in the second quarter of 2024 following planned maintenance at the facility, which was completed in the first quarter of 2024, and is subject to satisfaction of customary closing conditions.

The following table summarizes the assets and liabilities held for sale which are reported in Prepaid expenses and other current assets and Accrued and other current liabilities, respectively, in the Consolidated Financial Statements:

| <b>Millions of dollars</b>                | <b>March 31,<br/>2024</b> | <b>December<br/>31,<br/>2023</b> |
|---|---------------------------|----------------------------------|
| <b>ASSETS</b>                             |                           |                                  |
| Accounts receivable - Trade, net          | \$ 41                     | \$ 42                            |
| Inventories                               | 73                        | 100                              |
| Prepaid expenses and other current assets | 43                        | 43                               |
| Operating lease assets                    | 20                        | 20                               |
| Property, plant and equipment, net        | 288                       | 225                              |
| Goodwill                                  | 13                        | 14                               |
| Total assets held for sale                | <u>\$ 478</u>             | <u>\$ 444</u>                    |
| <b>LIABILITIES</b>                        |                           |                                  |
| Short-term debt                           | \$ 43                     | \$ 43                            |
| Accounts payable - Trade                  | 23                        | 51                               |
| Accrued and other current liabilities     | 9                         | 7                                |
| Operating lease liabilities               | 17                        | 19                               |
| Total liabilities held for sale           | <u>\$ 92</u>              | <u>\$ 120</u>                    |

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

**4. Revenues**

Contract Balances—Contract liabilities were \$139 million and \$175 million at March 31, 2024 and December 31, 2023, respectively. Revenue recognized in each reporting period that was included in the contract liability balance at the beginning of the period was immaterial.

Disaggregation of Revenues—The following table presents our revenues disaggregated by key products:

| <b>Millions of dollars</b>          | <b>Three Months Ended<br/>March 31,</b> |                  |
|-------------------------------------|---|------------------|
|                                     | <b>2024</b>                             | <b>2023</b>      |
| Sales and other operating revenues: |   |                  |
| Olefins and co-products             | \$ 908                                  | \$ 883           |
| Polyethylene                        | 1,898                                   | 2,016            |
| Polypropylene                       | 1,498                                   | 1,526            |
| Propylene oxide and derivatives     | 602                                     | 641              |
| Oxyfuels and related products       | 1,110                                   | 1,233            |
| Intermediate chemicals              | 789                                     | 746              |
| Compounding and solutions           | 960                                     | 995              |
| Refined products                    | 1,958                                   | 2,057            |
| Other                               | 202                                     | 150              |
| Total                               | <u>\$ 9,925</u>                         | <u>\$ 10,247</u> |

The following table presents our revenues disaggregated by geography, based upon the location of the customer:

| <b>Millions of dollars</b>          | <b>Three Months Ended<br/>March 31,</b> |                  |
|-------------------------------------|---|------------------|
|                                     | <b>2024</b>                             | <b>2023</b>      |
| Sales and other operating revenues: |   |                  |
| United States                       | \$ 4,788                                | \$ 4,852         |
| Germany                             | 660                                     | 786              |
| China                               | 606                                     | 514              |
| Mexico                              | 436                                     | 430              |
| Italy                               | 401                                     | 376              |
| France                              | 257                                     | 294              |
| Poland                              | 242                                     | 239              |
| Japan                               | 234                                     | 365              |
| The Netherlands                     | 185                                     | 233              |
| Other                               | 2,116                                   | 2,158            |
| Total                               | <u>\$ 9,925</u>                         | <u>\$ 10,247</u> |

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

**5. Accounts Receivable**

Accounts receivable are reflected in the Consolidated Balance Sheets, net of allowance for credit losses of \$6 million as of March 31, 2024 and December 31, 2023.

**6. Inventories**

Inventories consisted of the following components:

| <b>Millions of dollars</b> | <b>March 31,<br/>2024</b> | <b>December<br/>31,<br/>2023</b> |
|----------------------------|---------------------------|----------------------------------|
| Finished goods             | \$ 3,112                  | \$ 3,134                         |
| Work-in-process            | 202                       | 182                              |
| Raw materials and supplies | 1,539                     | 1,449                            |
| Total inventories          | <u>\$ 4,853</u>           | <u>\$ 4,765</u>                  |

[Table of Contents](#)

**LYONDELLBASELL INDUSTRIES N.V.**

**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

**7. Debt**

Long-term loans, notes and other debt, net of unamortized discount and debt issuance cost, consisted of the following:

| <b>Millions of dollars</b>   | <b>March 31,<br/>2024</b> | <b>December<br/>31,<br/>2023</b> |
|--|---------------------------|----------------------------------|
| Senior Notes due 2024, \$1,000 million, 5.75%  | \$ —                      | \$ 775                           |
| Senior Notes due 2055, \$1,000 million, 4.625% (\$15 million of discount; \$10 million of debt issuance cost)    | 975                       | 975                              |
| Guaranteed Notes due 2027, \$300 million, 8.1%   | 300                       | 300                              |
| <b>Issued by LYB International Finance B.V.:</b>   |                           |                                  |
| Guaranteed Notes due 2043, \$750 million, 5.25% (\$18 million of discount; \$6 million of debt issuance cost)    | 726                       | 726                              |
| Guaranteed Notes due 2044, \$1,000 million, 4.875% (\$10 million of discount; \$8 million of debt issuance cost) | 982                       | 982                              |
| <b>Issued by LYB International Finance II B.V.:</b>  |                           |                                  |
| Guaranteed Notes due 2026, €500 million, 0.875% (\$1 million of discount; \$1 million of debt issuance cost)     | 529                       | 542                              |
| Guaranteed Notes due 2027, \$1,000 million, 3.5% (\$2 million of discount; \$2 million of debt issuance cost)    | 581                       | 585                              |
| Guaranteed Notes due 2031, €500 million, 1.625% (\$4 million of discount; \$2 million of debt issuance cost)     | 529                       | 542                              |
| <b>Issued by LYB International Finance III LLC:</b>  |                           |                                  |
| Guaranteed Notes due 2025, \$500 million, 1.25% (\$1 million of discount; \$1 million of debt issuance cost)     | 481                       | 481                              |
| Guaranteed Notes due 2030, \$500 million, 3.375% (\$1 million of debt issuance cost)                             | 121                       | 124                              |
| Guaranteed Notes due 2030, \$500 million, 2.25% (\$2 million of discount; \$3 million of debt issuance cost)     | 472                       | 474                              |
| Guaranteed Notes due 2033, \$500 million, 5.625% (\$5 million of debt issuance cost)                             | 495                       | 495                              |
| Guaranteed Notes due 2034, \$750 million, 5.5% (\$6 million of discount, \$7 million of debt issuance cost)      | 737                       | —                                |
| Guaranteed Notes due 2040, \$750 million, 3.375% (\$1 million of discount; \$7 million of debt issuance cost)    | 742                       | 742                              |
| Guaranteed Notes due 2049, \$1,000 million, 4.2% (\$14 million of discount; \$10 million of debt issuance cost)  | 976                       | 976                              |
| Guaranteed Notes due 2050, \$1,000 million, 4.2% (\$6 million of discount; \$10 million of debt issuance cost)   | 977                       | 975                              |
| Guaranteed Notes due 2051, \$1,000 million, 3.625% (\$2 million of discount; \$10 million of debt issuance cost) | 905                       | 916                              |
| Guaranteed Notes due 2060, \$500 million, 3.8% (\$4 million of discount; \$6 million of debt issuance cost)      | 480                       | 483                              |
| Other  | 22                        | 22                               |
| <b>Total</b>   | <b>11,030</b>             | <b>11,115</b>                    |
| Less current maturities  | (7)                       | (782)                            |
| <b>Long-term debt</b>  | <b>\$ 11,023</b>          | <b>\$ 10,333</b>                 |





**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

Fair value hedging adjustments associated with the fair value hedge accounting of our fixed-for-floating interest rate swaps for the applicable periods are as follows:

|                                   | Gains (Losses)               |         | Cumulative Fair Value Hedging Adjustments Included in Carrying Amount of Debt |              |
|-----------------------------------|------------------------------|---------|---|--------------|
|                                   | Three Months Ended March 31, |         | March 31,   | December 31, |
| Millions of dollars               | 2024                         | 2023    | 2024  | 2023         |
| Guaranteed Notes due 2025, 1.25%  | \$ —                         | \$ (2)  | \$ 9  | \$ 9         |
| Guaranteed Notes due 2026, 0.875% | —                            | (1)     | 8   | 8            |
| Guaranteed Notes due 2027, 3.5%   | 4                            | (3)     | 6   | 2            |
| Guaranteed Notes due 2030, 3.375% | 3                            | (4)     | 20  | 17           |
| Guaranteed Notes due 2030, 2.25%  | 3                            | (3)     | 23  | 20           |
| Guaranteed Notes due 2031, 1.625% | 1                            | (2)     | 4   | 3            |
| Guaranteed Notes due 2050, 4.2%   | (2)                          | (2)     | 7   | 9            |
| Guaranteed Notes due 2051, 3.625% | 11                           | (17)    | 83  | 72           |
| Guaranteed Notes due 2060, 3.8%   | 3                            | (3)     | 10  | 7            |
| Total                             | \$ 23                        | \$ (37) | \$ 170  | \$ 147       |

Fair value adjustments are recognized in Interest expense in the Consolidated Statements of Income.

### Long-Term Debt

**Senior Revolving Credit Facility**—Our \$3,250 million senior unsecured revolving credit facility (the “Senior Revolving Credit Facility”), which expires in November 2026, may be used for dollar and euro denominated borrowings. The facility also supports our commercial paper program, has a \$200 million sub-limit for dollar and euro denominated letters of credit and a \$1,000 million uncommitted accordion feature. Borrowings under the facility bear interest at either a base rate, secured overnight financing rate (“SOFR”) or EURIBOR rate, plus an applicable margin. Additional fees are incurred for the average daily unused commitments. At March 31, 2024, we had no borrowings or letters of credit outstanding and \$3,250 million of unused availability under this facility.

**Guaranteed Notes due 2034**—In February 2024, LYB International Finance III, LLC (“LYB Finance III”), a wholly owned finance subsidiary of LyondellBasell Industries N.V., issued \$750

million of 5.5% guaranteed notes due 2034 (the “2034 Notes”) at a discounted price of 99.2%. Net proceeds after deducting original issuance discounts, underwriting fees and offering expenses totaled \$737 million. We used the net proceeds from the sale of the 2034 Notes to repay our 5.75% senior notes due 2024 as discussed further below.

These unsecured notes, which are fully and unconditionally guaranteed by LyondellBasell Industries N.V., rank equally in right of payment to all of LYB Finance III’s and LyondellBasell Industries N.V.’s existing and future senior unsecured indebtedness and will rank senior in right of payment to any future subordinated indebtedness that LYB Finance III or LyondellBasell Industries N.V. incurs. There are no significant restrictions that would impede LyondellBasell Industries N.V., as guarantor, from obtaining funds by dividend or loan from its subsidiaries.

The indenture governing these notes contains limited covenants, including those restricting our ability, and the ability of our subsidiaries, to incur indebtedness secured by significant property or by capital stock of subsidiaries that own significant property, enter into certain sale and lease-back transactions with respect to any significant property or enter into consolidations, mergers or sales of all or substantially all of our assets.

**LYONDELLBASELL INDUSTRIES N.V.**

**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

The 2034 Notes may be redeemed at any time in whole, or from time to time in part, prior to the scheduled maturity date, at a redemption price equal to the greater of (i) the sum of the present values of the remaining scheduled payments of principal and interest (discounted at the treasury rate plus the applicable basis points) less interest accrued on the notes to be redeemed, and (ii) 100% of the principal amount of the notes redeemed; plus, in either case, accrued and unpaid interest thereon to, but excluding, the redemption date. The 2034 Notes may also be redeemed at any time, on or after the date that is three months prior to the scheduled maturity date of the notes at a redemption price equal to 100% of the principal amount of the notes to be redeemed plus accrued and unpaid interest thereon to, but excluding, the redemption date. The notes are also redeemable upon certain tax events.

Senior Notes due 2024—In March 2024, we repaid the \$775 million remaining outstanding principal of our 5.75% senior notes due 2024.

**Short-Term Debt**

U.S. Receivables Facility—Our U.S. Receivables Facility, which expires in June 2024, has a purchase limit of \$900 million in addition to a \$300 million uncommitted accordion feature. This facility provides liquidity through the sale or contribution of trade receivables by certain of our U.S. subsidiaries to a wholly owned, bankruptcy-remote subsidiary on an ongoing basis and without recourse. We pay variable interest rates on our secured borrowings. Additional fees are incurred for the average daily unused commitments. This facility also provides for the issuance of letters of credit up to \$200 million. At March 31, 2024, we had no borrowings or letters of credit outstanding and \$900 million unused availability under this facility.

Commercial Paper Program—We have a commercial paper program under which we may issue up to \$2,500 million of privately placed, unsecured, short-term promissory notes (“commercial paper”). At March 31, 2024, we had no borrowings of outstanding commercial paper.

Precious Metal Financings—At March 31, 2024 and December 31, 2023, we had \$164 million and \$117 million, respectively, of short-term debt related to our precious metal financings.

Weighted Average Interest Rate—At March 31, 2024 and December 31, 2023, our weighted average interest rates on outstanding Short-term debt were 1.5% and 1.9%, respectively.

**Additional Information**

Debt Compliance—As of March 31, 2024, we are in compliance with our debt covenants.



**LYONDELLBASELL INDUSTRIES N.V.**

**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

**8. Financial Instruments and Fair Value Measurements**

We are exposed to market risks, such as changes in commodity pricing, interest rates and currency exchange rates. To manage the volatility related to these exposures, we selectively enter into derivative contracts pursuant to our risk management policies.

Financial Instruments Measured at Fair Value on a Recurring Basis—The following table summarizes financial instruments outstanding for the periods presented that are measured at fair value on a recurring basis:

| Millions of dollars                   | Fair Value     |                   | Balance Sheet Classification              |
|---------------------------------------|----------------|-------------------|---|
|                                       | March 31, 2024 | December 31, 2023 |   |
| Assets-                               |                |                   |   |
| Derivatives designated as hedges:     |                |                   |   |
| Commodities                           | \$ 2           | \$ 1              | Prepaid expenses and other current assets |
| Foreign currency                      | 82             | 44                | Prepaid expenses and other current assets |
| Foreign currency                      | 82             | 45                | Other assets                              |
| Interest rates                        | 28             | 38                | Prepaid expenses and other current assets |
| Derivatives not designated as hedges: |                |                   |   |
| Commodities                           | 62             | 98                | Prepaid expenses and other current assets |
| Foreign currency                      | 3              | 3                 | Prepaid expenses and other current assets |
| Total                                 | <u>\$ 259</u>  | <u>\$ 229</u>     |   |
| Liabilities-                          |                |                   |   |
| Derivatives designated as hedges:     |                |                   |   |
| Commodities                           | \$ 117         | \$ 109            | Accrued and other current liabilities     |
| Commodities                           | 36             | 33                | Other liabilities                         |
| Foreign currency                      | 28             | 40                | Accrued and other current liabilities     |
| Foreign currency                      | 13             | 32                | Other liabilities                         |
| Interest rates                        | 30             | 31                | Accrued and other current liabilities     |
| Interest rates                        | 195            | 172               | Other liabilities                         |
| Derivatives not designated as hedges: |                |                   |   |
| Commodities                           | 35             | 52                | Accrued and other current liabilities     |
| Foreign currency                      | 4              | 10                | Accrued and other current liabilities     |
| Total                                 | <u>\$ 458</u>  | <u>\$ 479</u>     |   |

The financial instruments in the table above are classified as Level 2. We present the gross assets and liabilities of our derivative financial instruments on the Consolidated Balance Sheets.

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

Financial Instruments Not Measured at Fair Value on a Recurring Basis—The following table presents the carrying value and estimated fair value of our Short-term precious metal financings and Long-term debt:

| <b>Millions of dollars</b> | <b>March 31, 2024</b> |                   | <b>December 31, 2023</b> |                   |
|----------------------------|-----------------------|-------------------|--------------------------|-------------------|
|                            | <b>Carrying Value</b> | <b>Fair Value</b> | <b>Carrying Value</b>    | <b>Fair Value</b> |
| Precious metal financings  | \$ 164                | \$ 162            | \$ 117                   | \$ 114            |
| Long-term debt             | 11,008                | 9,735             | 10,316                   | 9,225             |
| <b>Total</b>               | <b>\$ 11,172</b>      | <b>\$ 9,897</b>   | <b>\$ 10,433</b>         | <b>\$ 9,339</b>   |

The financial instruments in the table above are classified as Level 2. Our other financial instruments classified within Current assets and Current liabilities have a short maturity and their carrying value generally approximates fair value.

Derivative Instruments:

Commodity Prices—The following table presents the notional amounts of our outstanding commodity derivative instruments:

| <b>Millions of units</b>              | <b>Notional Amount</b> |                          | <b>Unit of Measure</b> | <b>Maturity Date</b> |
|---------------------------------------|------------------------|--------------------------|------------------------|----------------------|
|                                       | <b>March 31, 2024</b>  | <b>December 31, 2023</b> |                        |                      |
| Derivatives designated as hedges:     |                        |                          |                        |                      |
| Natural gas                           | 69                     | 72                       | MMBtu                  | 2024 to 2027         |
| Ethane                                | 17                     | 18                       | Bbls                   | 2024 to 2026         |
| Power                                 | 1                      | 1                        | MWhs                   | 2024 to 2027         |
| Refined products                      | 1                      | 1                        | Bbls                   | 2024                 |
| Derivatives not designated as hedges: |                        |                          |                        |                      |
| Crude oil                             | 9                      | 12                       | Bbls                   | 2024                 |
| Refined products                      | 12                     | 16                       | Bbls                   | 2024                 |
| Precious metals                       | 1                      | 1                        | Troy Ounces            | 2024                 |
| Renewable Identification Numbers      | 44                     | 59                       | RINs                   | 2024                 |



Interest Rates—The following table presents the notional amounts of our outstanding interest rate derivative instruments:

| Millions of dollars | Notional Amount |                   | Maturity Date |
|---------------------|-----------------|-------------------|---------------|
|                     | March 31, 2024  | December 31, 2023 |               |
| Cash flow hedges    | \$ —            | \$ 200            | 2024          |
| Fair value hedges   | 2,166           | 2,171             | 2025 to 2031  |

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

Foreign Currency Rates—The following table presents the notional amounts of our outstanding foreign currency derivative instruments:

| <b>Millions of dollars</b> | <b>Notional Amount</b> |                          | <b>Maturity Date</b> |
|----------------------------|------------------------|--------------------------|----------------------|
|                            | <b>March 31, 2024</b>  | <b>December 31, 2023</b> |                      |
| Net investment hedges      | \$ 3,289               | \$ 3,289                 | 2024 to 2030         |
| Cash flow hedges           | 1,150                  | 1,150                    | 2024 to 2027         |
| Not designated             | 788                    | 555                      | 2024 to 2025         |

Impact on Earnings and Other Comprehensive Income—The following tables summarize the pre-tax effect of derivative instruments recorded in Accumulated other comprehensive loss (“AOCI”), the gains (losses) reclassified from AOCI to earnings and additional gains (losses) recognized directly in earnings:

| Effects of Financial Instruments      |                                |                |  |              |   |              |                                    |
|---------------------------------------|--------------------------------|----------------|--|--------------|---|--------------|------------------------------------|
| Three Months Ended March 31,          |                                |                |  |              |   |              |                                    |
| Millions of dollars                   | Balance Sheet                  |                |  |              | Income Statement                            |              |                                    |
|                                       | Gain (Loss) Recognized in AOCI |                | Gain (Loss) Reclassified to Income from AOCI |              | Additional Gain (Loss) Recognized in Income |              | Income Statement Classification    |
|                                       | 2024                           | 2023           | 2024   | 2023         | 2024  | 2023         |                                    |
|                                       |                                |                |  |              |   |              |                                    |
| Derivatives designated as hedges:     |                                |                |  |              |   |              |                                    |
| Commodities                           | \$ (2)                         | \$ —           | \$ 1   | \$ —         | \$ —  | \$ —         | Sales and other operating revenues |
| Commodities                           | (48)                           | (5)            | 38   | 19           | —   | —            | Cost of sales                      |
| Foreign currency                      | 95                             | (55)           | (28)   | 20           | 19  | 14           | Interest expense                   |
| Interest rates                        | 11                             | (14)           | 1  | 1            | (45)  | 23           | Interest expense                   |
| Derivatives not designated as hedges: |                                |                |  |              |   |              |                                    |
| Commodities                           | —                              | —              | —  | —            | (84)  | (33)         | Sales and other operating revenues |
| Commodities                           | —                              | —              | —  | —            | 77  | 27           | Cost of sales                      |
| Foreign currency                      | —                              | —              | —  | —            | 8   | (11)         | Other income, net                  |
| Total                                 | <u>\$ 56</u>                   | <u>\$ (74)</u> | <u>\$ 12</u>                                 | <u>\$ 40</u> | <u>\$ (25)</u>                              | <u>\$ 20</u> |                                    |

As of March 31, 2024, on a pre-tax basis, \$4 million is scheduled to be reclassified from Accumulated other comprehensive loss as an increase to Interest expense over the next twelve months.

Other Financial Instruments:

Cash and Cash Equivalents—At March 31, 2024 and December 31, 2023, we had marketable securities classified as Cash and cash equivalents of \$1,475 million and \$2,432 million, respectively.

**LYONDELLBASELL INDUSTRIES N.V.**

**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

**9. Income Taxes**

For interim tax reporting, we estimate an annual effective tax rate which is applied to the year-to-date ordinary income. Tax effects of significant, unusual, or infrequently occurring items are excluded from the estimated annual effective tax rate calculation and recognized in the interim period in which they occur. Our effective income tax rate fluctuates based on, among other factors, changes in pre-tax income in countries with varying statutory tax rates, changes in valuation allowances, changes in foreign exchange gains or losses, the amount of exempt income, changes in unrecognized tax benefits associated with uncertain tax positions and changes in tax laws.

Our exempt income primarily includes interest income, export incentives, and equity earnings of joint ventures. Interest income earned by certain of our subsidiaries through intercompany financings is taxed at rates substantially lower than the U.S. statutory rate. Export incentives relate to tax benefits derived from elections and structures available for U.S. exports. Equity earnings attributable to the earnings of our joint ventures, when paid through dividends to certain European subsidiaries, are exempt from all or portions of normal statutory income tax rates. We currently anticipate the favorable treatment for interest income, dividends, and export incentives to continue in the near term; however, this treatment is based on current law. The United Kingdom, as well as certain other jurisdictions in which we operate, enacted legislation implementing the Organization for Economic Cooperation and Development's Pillar Two Model Rules effective as of January 1, 2024. We do not expect the impact to be material based on the legislation enacted at this stage.

Our effective income tax rate for the first quarter of 2024 was 20.4% compared to 26.0% for the first quarter of 2023. The lower effective tax rate for the first quarter of 2024 was primarily due to the first quarter 2023 goodwill impairment, for which there was no tax benefit, of 6.6% coupled with a 2.1% decrease in our effective income tax rate related to changes in pre-tax income in countries with varying statutory tax rates. These decreases were partially offset by a 3.0% increase in our effective income tax rate due to a decrease in exempt income.

**10. Commitments and Contingencies**

**Commitments**—We have various purchase commitments for materials, supplies and services incidental to the ordinary conduct of business, generally for quantities required for our businesses and at prevailing market prices. These commitments are designed to ensure sources of supply and are not expected to be in excess of normal requirements. Additionally, we have capital expenditure commitments, which we incur in our normal course of business.

**Financial Assurance Instruments**—We have obtained letters of credit, performance and surety bonds and have issued financial and performance guarantees to support trade payables, potential liabilities and other obligations. Considering the frequency of claims made against the financial instruments we use to support our obligations, and the magnitude of those financial instruments in light of our current financial position, management does not expect

that any claims against or draws on these instruments would have a material adverse effect on the Consolidated Financial Statements. We have not experienced any unmanageable difficulties in obtaining the required financial assurance instruments for our current operations.

Environmental Remediation—Accrued liabilities for future environmental remediation costs at current and former plant sites and other remediation sites totaled \$141 million and \$124 million as of March 31, 2024 and December 31, 2023, respectively. At March 31, 2024, the accrued liabilities for individual sites range from less than \$1 million to \$43 million. The remediation expenditures are expected to occur over a number of years and are not concentrated in any single year. In our opinion, it is reasonably possible that losses in excess of the liabilities recorded may have been incurred. However, we cannot estimate any amount or range of such possible additional losses. New information about sites, new technology or future developments, such as involvement in investigations by regulatory agencies, could require us to reassess our potential exposure related to environmental matters.

**LYONDELLBASELL INDUSTRIES N.V.**

**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

Indemnification—We are parties to various indemnification arrangements, including arrangements entered into in connection with acquisitions, divestitures and the formation and dissolution of joint ventures. Pursuant to these arrangements, we provide indemnification to and/or receive indemnification from other parties in connection with liabilities that may arise in connection with the transactions and in connection with activities prior to completion of the transactions. These indemnification arrangements typically include provisions pertaining to third-party claims relating to environmental and tax matters and various types of litigation. As of March 31, 2024, we had not accrued any significant amounts for our indemnification obligations, and we are not aware of other circumstances that would likely lead to significant future indemnification obligations. We cannot determine with certainty the potential amount of future payments under the indemnification arrangements until events arise that would trigger a liability under the arrangements.

As part of our technology licensing contracts, we give indemnifications to our licensees for liabilities arising from possible patent infringement claims with respect to certain proprietary licensed technologies. Such indemnifications have a stated maximum amount and generally cover a period of 5 to 10 years.

Legal Proceedings—We are subject to various lawsuits and claims, including but not limited to, matters involving contract disputes, environmental damages, personal injury and property damage. We vigorously defend ourselves and prosecute these matters as appropriate.

Our legal organization applies its knowledge, experience and professional judgment to the specific characteristics of our cases, employing a litigation management process to manage and monitor legal proceedings in which we are a party. Our process facilitates the early evaluation and quantification of potential exposures in individual cases. This process also enables us to track those cases that have been scheduled for trial, mediation or other resolution. We regularly assess the adequacy of legal accruals based on our professional judgment, experience and the information available regarding our cases.

Based on consideration of all relevant facts and circumstances, we do not believe the ultimate outcome of any currently pending lawsuit against us will have a material adverse effect upon our operations, financial condition or Consolidated Financial Statements.

**11. Shareholders' Equity and Redeemable Non-controlling Interests**

**Shareholders' Equity**

Dividend Distributions—The following table summarizes the quarterly dividends paid in the period presented:

| <b>Millions of dollars, except per share amounts</b> | <b>Dividend Per<br/>Ordinary<br/>Share</b> | <b>Aggregate<br/>Dividends<br/>Paid</b> | <b>Date of Record</b> |
|--|--|---|-----------------------|
| March 2024   | \$ 1.25                                    | \$ 408                                  | March 4, 2024         |

Share Repurchase Authorization—In May 2023, our shareholders approved a proposal to authorize us to repurchase up to 34.0 million ordinary shares, through November 19, 2024 (“2023 Share Repurchase Authorization”), which superseded any prior repurchase authorizations. The timing and amount of these repurchases, which are determined based on our evaluation of market conditions and other factors, may be executed from time to time through open market or privately negotiated transactions. The repurchased shares, which are recorded at cost, are classified as Treasury stock and may be retired or used for general corporate purposes, including for various employee benefit and compensation plans.

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

The following table summarizes our share repurchase activity for the period presented:

| <b>Millions of dollars, except shares and per share amounts</b> | <b>Shares Repurchased</b> | <b>Average Purchase Price</b> | <b>Total Purchase Price, Including Commissions and Fees</b> |
|---|---------------------------|-------------------------------|---|
| For three months ended March 31, 2023:                          |                           |                               |   |
| 2022 Share Repurchase Authorization                             | 846,500                   | \$ 87.28                      | \$ 74   |

We had no share repurchases for the three months ended March 31, 2024. Total cash paid for the first quarter 2023 was \$70 million. Cash payments made during the reporting period may differ from the total purchase price, including commissions and fees, due to the timing of payments.

Ordinary Shares—The changes in the outstanding amounts of ordinary shares are as follows:

|                              | <b>Three Months Ended March 31,</b> |                    |
|------------------------------|-------------------------------------|--------------------|
|                              | <b>2024</b>                         | <b>2023</b>        |
| Ordinary shares outstanding: |                                     |                    |
| Beginning balance            | 324,483,402                         | 325,723,567        |
| Share-based compensation     | 803,335                             | 516,142            |
| Employee stock purchase plan | 79,096                              | 75,392             |
| Purchase of ordinary shares  | —                                   | (846,500)          |
| Ending balance               | <u>325,365,833</u>                  | <u>325,468,601</u> |

Treasury Shares—The changes in the amounts of treasury shares held by the Company are as follows:



|  | Three Months Ended<br>March 31, |                   |
|--|---------------------------------|-------------------|
|  | 2024                            | 2023              |
| Ordinary shares held as treasury shares: |                                 |                   |
| Beginning balance                        | 15,939,096                      | 14,698,931        |
| Share-based compensation                 | (803,335)                       | (516,142)         |
| Employee stock purchase plan             | (79,096)                        | (75,392)          |
| Purchase of ordinary shares              | —                               | 846,500           |
| Ending balance                           | <u>15,056,665</u>               | <u>14,953,897</u> |

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

Accumulated Other Comprehensive Loss—The components of, and after-tax changes in, Accumulated other comprehensive loss as of and for the three months ended March 31, 2024 and 2023 are presented in the following tables:

| <b>Millions of dollars</b>                                     | <b>Financial<br/>Derivatives</b> | <b>Defined<br/>Benefit<br/>Pension and<br/>Other<br/>Postretirement<br/>Benefit Plans</b> | <b>Foreign<br/>Currency<br/>Translation<br/>Adjustments</b> | <b>Total</b>      |
|--|----------------------------------|---|---|-------------------|
| Balance - December 31, 2023                                    | \$ (226)                         | \$ (279)  | \$ (971)  | \$ (1,476)        |
| Other comprehensive loss before reclassifications              | (12)                             | —   | (43)  | (55)              |
| Tax benefit (expense) before reclassifications                 | 2                                | —   | (17)  | (15)              |
| Amounts reclassified from accumulated other comprehensive loss | 12                               | 4   | —   | 16                |
| Tax expense  | (1)                              | (1)   | —   | (2)               |
| Net other comprehensive income (loss)                          | 1                                | 3   | (60)  | (56)              |
| Balance - March 31, 2024                                       | <u>\$ (225)</u>                  | <u>\$ (276)</u>   | <u>\$ (1,031)</u>   | <u>\$ (1,532)</u> |

| <b>Millions of dollars</b>                                     | <b>Financial<br/>Derivatives</b> | <b>Defined<br/>Benefit<br/>Pension and<br/>Other<br/>Postretirement<br/>Benefit Plans</b> | <b>Foreign<br/>Currency<br/>Translation<br/>Adjustments</b> | <b>Total</b>      |
|--|----------------------------------|---|---|-------------------|
| Balance - December 31, 2022                                    | \$ (146)                         | \$ (182)  | \$ (1,044)  | \$ (1,372)        |
| Other comprehensive (loss) income before reclassifications     | (35)                             | —   | 49  | 14                |
| Tax benefit before reclassifications                           | 9                                | —   | 10  | 19                |
| Amounts reclassified from accumulated other comprehensive loss | 40                               | 3   | —   | 43                |
| Tax expense  | (10)                             | (1)   | —   | (11)              |
| Net other comprehensive income                                 | 4                                | 2   | 59  | 65                |
| Balance - March 31, 2023                                       | <u>\$ (142)</u>                  | <u>\$ (180)</u>   | <u>\$ (985)</u>   | <u>\$ (1,307)</u> |



**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

The amounts reclassified out of each component of Accumulated other comprehensive loss are as follows:

| <b>Millions of dollars</b>             | <b>Three Months<br/>Ended<br/>March 31,</b> |              | <b>Affected Line Item on<br/>the Consolidated<br/>Statements of Income</b> |
|--|---|--------------|--|
|  | <b>2024</b>                                 | <b>2023</b>  |  |
| Reclassification adjustments for:      |   |              |  |
| Financial derivatives:                 |   |              |  |
| Commodities                            | \$ 1  | \$ —         | Sales and other operating revenue  |
| Commodities                            | 38  | 19           | Cost of sales  |
| Foreign currency                       | (28)  | 20           | Interest expense   |
| Interest rates                         | 1   | 1            | Interest expense   |
| Income tax expense                     | (1)   | (10)         | Provision for income taxes   |
| Financial derivatives, net of tax      | 11  | 30           |  |
| Amortization of defined pension items: |   |              |  |
| Actuarial loss                         | 3   | 2            | Other income, net  |
| Prior service cost                     | 1   | 1            | Other income, net  |
| Income tax expense                     | (1)   | (1)          | Provision for income taxes   |
| Defined pension items, net of tax      | 3   | 2            |  |
| Total reclassifications, before tax    | 16  | 43           |  |
| Income tax expense                     | (2)   | (11)         | Provision for income taxes   |
| Total reclassifications, after tax     | <u>\$ 14</u>                                | <u>\$ 32</u> | Amount included in net income  |

**Redeemable Non-controlling Interests**

Our redeemable non-controlling interests relate to shares of cumulative perpetual special stock ("redeemable non-controlling interest stock") issued by a consolidated subsidiary. As of March 31, 2024 and December 31, 2023, we had 113,064 and 113,075 shares of redeemable non-controlling interest stock outstanding, respectively. These shares may be redeemed at any time at the discretion of the holders.

In February 2024, we paid cash dividends of \$15.00 per share to our redeemable non-controlling interest shareholders of record as of January 15, 2024. These dividends totaled \$2 million for each of the three months ended March 31, 2024 and 2023.

**LYONDELLBASELL INDUSTRIES N.V.**
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**
**12. Per Share Data**

Basic earnings per share is based upon the weighted average number of shares of common stock outstanding during the period. Diluted earnings per share includes the effect of certain stock option and other equity-based compensation awards. Our unvested restricted stock units contain non-forfeitable rights to dividend equivalents and are considered participating securities. We compute basic and diluted earnings per share under the two-class method.

Earnings per share data is as follows:

|   | Three Months Ended March 31, |                         |                       |                         |
|---|------------------------------|-------------------------|-----------------------|-------------------------|
|   | 2024                         |                         | 2023                  |                         |
|   | Continuing Operations        | Discontinued Operations | Continuing Operations | Discontinued Operations |
| <b>Millions of dollars</b>  |                              |                         |                       |                         |
| Net income (loss)   | \$ 474                       | \$ (1)                  | \$ 475                | \$ (1)                  |
| Dividends on redeemable non-controlling interests                           | (2)                          | —                       | (2)                   | —                       |
| Net income attributable to participating securities                         | (1)                          | —                       | (1)                   | —                       |
| Net income (loss) attributable to ordinary shareholders - basic and diluted | <u>\$ 471</u>                | <u>\$ (1)</u>           | <u>\$ 472</u>         | <u>\$ (1)</u>           |
| <b>Millions of shares, except per share amounts</b>                         |                              |                         |                       |                         |
| Basic weighted average common stock outstanding                             | 325                          | 325                     | 326                   | 326                     |
| Effect of dilutive securities   | 1                            | 1                       | 1                     | 1                       |
| Potential dilutive shares   | <u>326</u>                   | <u>326</u>              | <u>327</u>            | <u>327</u>              |
| <b>Earnings per share:</b>  |                              |                         |                       |                         |
| Basic   | <u>\$ 1.45</u>               | <u>\$ —</u>             | <u>\$ 1.45</u>        | <u>\$ —</u>             |
| Diluted   | <u>\$ 1.44</u>               | <u>\$ —</u>             | <u>\$ 1.44</u>        | <u>\$ —</u>             |



**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

**13. Segment and Related Information**

Our operations are managed by senior executives who report to our Chief Executive Officer, the chief operating decision maker. Discrete financial information is available for each of the segments, and our Chief Executive Officer uses the operating results of each of the operating segments for performance evaluation and resource allocation.

The activities of each of our segments from which they earn revenues and incur expenses are described below:

- Olefins and Polyolefins-Americas (“O&P-Americas”). Our O&P-Americas segment produces and markets olefins and co-products, polyethylene and polypropylene.
- Olefins and Polyolefins-Europe, Asia, International (“O&P-EAI”). Our O&P-EAI segment produces and markets olefins and co-products, polyethylene and polypropylene.
- Intermediates and Derivatives (“I&D”). Our I&D segment produces and markets propylene oxide and its derivatives; oxyfuels and related products; and intermediate chemicals such as styrene monomer, acetyls, ethylene oxide and ethylene glycol.
- Advanced Polymer Solutions (“APS”). Our APS segment produces and markets compounding and solutions, such as polypropylene compounds, engineered plastics, masterbatches, engineered composites, colors and powders.
- Refining. Our Refining segment refines heavy, high-sulfur crude oils and other crude oils of varied types and sources available on the U.S. Gulf Coast into refined products, including gasoline and distillates.
- Technology. Our Technology segment develops and licenses chemical and polyolefin process technologies and manufactures and sells polyolefin catalysts.

Our chief operating decision maker uses EBITDA as the primary measure for reviewing profitability of our segments, and therefore, we have presented EBITDA for all segments. We define EBITDA as earnings from continuing operations before interest, income taxes, and depreciation and amortization.

“Other” includes intersegment eliminations and items that are not directly related or allocated to business operations, such as foreign exchange gains or losses and components of pension and other postretirement benefit costs other than service costs. Sales between segments are made at prices approximating prevailing market prices.

Summarized financial information concerning reportable segments is shown in the following tables for the periods presented:



**Three Months Ended March 31, 2024**

| <b>Millions of dollars</b>            | <b>O&amp;P-<br/>Americas</b> | <b>O&amp;P-<br/>EAI</b> | <b>I&amp;D</b> | <b>APS</b> | <b>Refining</b> | <b>Technology</b> | <b>Other</b> | <b>Total</b> |
|---------------------------------------|------------------------------|-------------------------|----------------|------------|-----------------|-------------------|--------------|--------------|
| Sales and other operating revenues:   |                              |                         |                |            |                 |                   |              |              |
| Customers                             | \$ 1,750                     | \$2,562                 | \$2,527        | \$960      | \$ 1,958        | \$ 168            | \$ —         | \$9,925      |
| Intersegment                          | 1,121                        | 183                     | 59             | 5          | 132             | 24                | (1,524)      | —            |
|                                       | 2,871                        | 2,745                   | 2,586          | 965        | 2,090           | 192               | (1,524)      | 9,925        |
| Income (loss) from equity investments | 9                            | (32)                    | (4)            | —          | —               | —                 | —            | (27)         |
| EBITDA                                | 521                          | 14                      | 312            | 35         | 55              | 118               | (8)          | 1,047        |
| Capital expenditures                  | 177                          | 87                      | 140            | 23         | 25              | 24                | 7            | 483          |

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

| <b>Millions of dollars</b>            | <b>Three Months Ended March 31, 2023</b> |                         |                |            |                 |                   |              |              |
|---------------------------------------|--|-------------------------|----------------|------------|-----------------|-------------------|--------------|--------------|
|                                       | <b>O&amp;P-<br/>Americas</b>             | <b>O&amp;P-<br/>EAI</b> | <b>I&amp;D</b> | <b>APS</b> | <b>Refining</b> | <b>Technology</b> | <b>Other</b> | <b>Total</b> |
| Sales and other operating revenues:   |  |                         |                |            |                 |                   |              |              |
| Customers                             | \$ 1,727                                 | \$2,710                 | \$2,641        | \$995      | \$ 2,057        | \$ 117            | \$ —         | \$10,247     |
| Intersegment                          | 1,081                                    | 182                     | 41             | 2          | 133             | 22                | (1,461)      | —            |
|                                       | 2,808                                    | 2,892                   | 2,682          | 997        | 2,190           | 139               | (1,461)      | 10,247       |
| Income (loss) from equity investments | 23                                       | 1                       | (6)            | (1)        | —               | —                 | —            | 17           |
| EBITDA                                | 541                                      | 77                      | 426            | (226)      | 246             | 73                | (6)          | 1,131        |
| Impairments                           | —  | —                       | —              | 252        | —               | —                 | —            | 252          |
| Capital expenditures                  | 82                                       | 54                      | 179            | 17         | 2               | 17                | 1            | 352          |

Acquisition of Joint Venture—In January 2024, we entered into an agreement to acquire a 35% interest in Saudi Arabia-based National Petrochemical Industrial Company (“NATPET”) from Alujain Corporation for approximately \$500 million. The transaction is expected to close in the coming months and is subject to regulatory and other customary closing conditions. The joint venture will be included prospectively within our O&P-EAI segment.

Houston Refinery Operations—Costs incurred for the planned exit from the refinery business are as follows:

| <b>Millions of dollars</b>            | <b>Three Months Ended<br/>March 31,</b> |             | <b>Inception to<br/>Date<br/>March 31,</b> |
|---------------------------------------|---|-------------|--|
|                                       | <b>2024</b>                             | <b>2023</b> | <b>2024</b>                                |
| Accelerated lease amortization costs  | \$ 8                                    | \$ 51       | \$ 209                                     |
| Personnel costs                       | 6                                       | 16          | 146  |
| Asset retirement obligation accretion | 2                                       | 2           | 13   |
| Asset retirement cost depreciation    | 20                                      | 55          | 189  |
| Refinery exit costs                   | \$ 36                                   | \$ 124      | \$ 557                                     |

Total costs incurred since our decision to exit the refining business through March 31, 2024, were \$557 million. Our estimate of total exit costs, inclusive of costs incurred to date, ranges from \$560 million to \$1,050 million.

In subsequent periods, we expect to incur additional costs primarily consisting of accelerated amortization of operating lease assets of \$10 million to \$50 million, personnel costs of \$15 million to \$90 million and other charges of \$40 million to \$90 million.

In connection with the planned exit from the refinery business, we recorded liabilities for asset retirement obligations of \$262 million as of March 31, 2024. We estimate that the Houston refinery's asset retirement obligations are in the range of \$150 million to \$450 million.

Segment Structure Changes and Related Goodwill Impairment—Effective January 1, 2023, our Catalloy and polybutene-1 businesses were moved from our APS segment and reintegrated into our O&P-Americas and O&P-EAI segments. As a result of the reallocation of goodwill and the change in both fair value and carrying value among reporting units, we recognized a non-cash goodwill impairment charge of \$252 million in the first quarter of 2023 in our APS segment.

**LYONDELLBASELL INDUSTRIES N.V.**  
**NOTES TO THE CONSOLIDATED FINANCIAL STATEMENTS-(Continued)**

A reconciliation of EBITDA to Income from continuing operations before income taxes is shown in the following table for each of the periods presented:

| <b>Millions of dollars</b>                            | <b>Three Months Ended<br/>March 31,</b> |               |
|---|---|---------------|
|   | <b>2024</b>                             | <b>2023</b>   |
| EBITDA:   |   |               |
| Total segment EBITDA                                  | \$ 1,055                                | \$ 1,137      |
| Other EBITDA  | (8)                                     | (6)           |
| Less:   |   |               |
| Depreciation and amortization expense                 | (365)                                   | (396)         |
| Interest expense                                      | (127)                                   | (116)         |
| Add:  |   |               |
| Interest income                                       | 41                                      | 23            |
| Income from continuing operations before income taxes | <u>\$ 596</u>                           | <u>\$ 642</u> |

## **Item 2. MANAGEMENT'S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS**

### **GENERAL**

This discussion should be read in conjunction with the information contained in the Consolidated Financial Statements, and the accompanying notes elsewhere in this report. Unless otherwise indicated, the "Company," "we," "us," "our" or similar words are used to refer to LyondellBasell Industries N.V. together with its consolidated subsidiaries ("LyondellBasell N.V.").

### **OVERVIEW**

In North America, lower costs for natural gas-based feedstocks and energy benefited olefins and polyolefins margins while regional demand for polyethylene improved. Our North American volumes were constrained by downtime in olefins, polyolefins, propylene oxide, oxyfuels and acetyls. In Europe, logistics disruptions in the Red Sea restricted competitive imports and led to increased volumes from our local assets for both our Olefins & Polyolefins Europe, Asia, International and Intermediates & Derivatives segments. Globally, tepid demand for durable goods continued to challenge volumes and margins for polypropylene and propylene oxide.

We remain committed to our balanced and disciplined capital allocation strategy. During the first quarter of 2024 we used \$114 million of cash for operating activities, invested \$483 million in capital expenditures and returned \$408 million to shareholders through dividend payments. The use of cash for operating activities during the quarter was due to a build in working capital primarily driven by higher volumes and prices in most of our segments. Additionally, in the first quarter of 2024, we successfully issued \$750 million of guaranteed notes to refinance our 2024 maturity at a lower rate.

Results of operations for the periods discussed are presented in the table below:

|  | Three Months Ended |                         |                   |
|--|--------------------|-------------------------|-------------------|
|  | March 31,<br>2024  | December<br>31,<br>2023 | March 31,<br>2023 |
| <b>Millions of dollars</b>                                     |                    |                         |                   |
| Sales and other operating revenues                             | \$ 9,925           | \$ 9,929                | \$ 10,247         |
| Cost of sales  | 8,763              | 8,940                   | 8,864             |
| Impairments  | —                  | 241                     | 252               |
| Selling, general and administrative expenses                   | 426                | 399                     | 385               |
| Research and development expenses                              | 32                 | 34                      | 33                |
| Operating income   | 704                | 315                     | 713               |
| Interest expense   | (127)              | (121)                   | (116)             |
| Interest income  | 41                 | 41                      | 23                |
| Other income (expense), net                                    | 5                  | (25)                    | 5                 |
| (Loss) income from equity investments                          | (27)               | (31)                    | 17                |
| Income from continuing operations before income taxes          | 596                | 179                     | 642               |
| Provision for (benefit from) income taxes                      | 122                | (7)                     | 167               |
| Income from continuing operations                              | 474                | 186                     | 475               |
| Loss from discontinued operations, net of tax                  | (1)                | (1)                     | (1)               |
| Net income   | 473                | 185                     | 474               |
| Other comprehensive income (loss), net of tax –                |                    |                         |                   |
| Financial derivatives  | 1                  | (104)                   | 4                 |
| Defined benefit pension and other postretirement benefit plans | 3                  | (103)                   | 2                 |
| Foreign currency translations                                  | (60)               | 131                     | 59                |
| Total other comprehensive (loss) income, net of tax            | (56)               | (76)                    | 65                |
| Comprehensive income   | \$ 417             | \$ 109                  | \$ 539            |

## RESULTS OF OPERATIONS

**Revenues**—Revenues remained relatively unchanged in the first quarter of 2024 compared to the fourth quarter of 2023. Lower volumes driven by planned and unplanned outages resulted in a 3% decrease in revenues, which was partially offset by a 3% increase in revenues due to higher average sales prices.

Revenues decreased by \$322 million, or 3%, in the first quarter of 2024 compared to the first quarter of 2023. Lower average sales prices for many of our products resulted in a 7% decrease in revenues. Higher volumes, driven by improved demand, resulted in a 3% increase in revenues. Favorable foreign exchange impacts resulted in a 1% increase in revenues.

**Cost of Sales**—Cost of sales decreased by \$177 million, or 2%, in the first quarter of 2024 compared to the fourth quarter of 2023 and by \$101 million, or 1%, in the first quarter of 2024 compared to the first quarter of 2023, primarily driven by lower feedstock and energy costs, including the impact of our commodity hedges.

**Impairments**—During the fourth quarter of 2023 we recognized non-cash impairment charges of \$241 million, primarily consisting of a non-cash impairment charge of \$192 million related to our European PO Joint Venture in our I&D segment.

During the first quarter of 2023 we recognized a non-cash goodwill impairment charge of \$252 million in our APS segment after the effect of moving our Catalloy and polybutene-1 businesses from our APS segment and reintegrating into our O&P-Americas and O&P-EAI segments.

**Operating Income**—Operating income increased by \$389 million, or 123%, in the first quarter of 2024 compared to the fourth quarter of 2023. Operating income in our I&D, O&P-EAI, Technology, Refining and APS segments increased by \$242 million, \$129 million, \$40 million, \$37 million and \$30 million, respectively. These increases were offset by a decrease in our O&P-Americas segment of \$88 million.

Operating income remained relatively unchanged in the first quarter of 2024 compared to the first quarter of 2023. Operating income in our APS and Technology segments increased by \$260 million and \$48 million, respectively. These increases were offset by decreases in our Refining, I&D, O&P-EAI and O&P-Americas segments of \$162 million, \$108 million, \$32 million and \$15 million, respectively.

Results for each of our business segments are discussed further in the “Segment Analysis” section below.

**Income Taxes**—Our effective income tax rate for the first quarter of 2024 was 20.4% compared to -3.9% for the fourth quarter of 2023. In the fourth quarter of 2023, the impact of impairments and a patent box ruling decreased our effective income tax rate by 15.1% and 7.0%, respectively. These movements were coupled with an increase in our effective

income tax rate of 10.3% related to changes in pre-tax income in countries with varying statutory tax rates partially offset by fluctuations in foreign exchange gains or losses of 5.9%.

Our effective income tax rate for the first quarter of 2024 was 20.4% compared to 26.0% for the first quarter of 2023. The lower effective tax rate for the first quarter of 2024 was primarily due to the first quarter 2023 goodwill impairment, for which there was no tax benefit, of 6.6%, coupled with a 2.1% decrease in our effective income tax rate related to changes in pre-tax income in countries with varying statutory tax rates. These decreases were partially offset by a 3.0% increase in our effective income tax rate due to a decrease in exempt income.



**Comprehensive Income**—Comprehensive income increased by \$308 million in the first quarter of 2024 compared to the fourth quarter of 2023, primarily due to the increase in Net income. Comprehensive income decreased by \$122 million in the first quarter of 2024 compared to the first quarter of 2023, primarily due to the net unfavorable impacts of unrealized changes in foreign currency translation adjustments. The components of Other comprehensive income (loss) are discussed below.

Financial derivatives designated as cash flow hedges, primarily our commodity swaps, led to an increase in Comprehensive income of \$105 million in the first quarter of 2024 compared to the fourth quarter of 2023 reflecting commodity pricing volatility. Financial derivatives designated as cash flow hedges remained relatively unchanged in the first quarter of 2024 compared to the first quarter of 2023.

Defined pension and postretirement benefit plans led to an increase of Comprehensive income of \$106 million in the first quarter of 2024 compared to the fourth quarter of 2023, as the fourth quarter of 2023 reflected annual changes in actuarial assumptions. Defined pension and postretirement benefit plans remained relatively unchanged in the first quarter of 2024 compared to the first quarter of 2023.

Foreign currency translations decreased Comprehensive income by \$191 million and \$119 million in the first quarter of 2024 compared to the fourth and first quarter of 2023, respectively, primarily due to the strengthening of the U.S. dollar relative to the euro, offset by the effective portion of our net investment hedges.

## Segment Analysis

We use earnings from continuing operations before interest, income taxes, and depreciation and amortization (“EBITDA”) as our measure of profitability for segment reporting purposes. This measure of segment operating results is used by our chief operating decision maker to assess the performance of and allocate resources to our operating segments. Intersegment eliminations and items that are not directly related or allocated to business operations, such as foreign exchange gains or losses and components of pension and other postretirement benefits other than service costs are included in “Other”. See the table below for a reconciliation of EBITDA to its nearest generally accepted accounting principles (“GAAP”) measure.

The following table presents the reconciliation of Net Income to EBITDA for each of the periods presented:

|   | Three Months Ended |                         |                   |
|---|--------------------|-------------------------|-------------------|
|   | March 31,<br>2024  | December<br>31,<br>2023 | March 31,<br>2023 |
| <b>Millions of dollars</b>                    |                    |                         |                   |
| <b>Net income</b>                             | \$ 473             | \$ 185                  | \$ 474            |
| Loss from discontinued operations, net of tax | 1                  | 1                       | 1                 |
| <b>Income from continuing operations</b>      | 474                | 186                     | 475               |
| Provision for (benefit from) income taxes     | 122                | (7)                     | 167               |
| Depreciation and amortization                 | 365                | 380                     | 396               |
| Interest expense, net                         | 86                 | 80                      | 93                |
| <b>EBITDA</b>                                 | <u>\$ 1,047</u>    | <u>\$ 639</u>           | <u>\$ 1,131</u>   |

Our continuing operations are managed through six reportable segments: O&P-Americas, O&P-EAI, I&D, APS, Refining and Technology. Revenues and other information by segment for the periods presented are reflected in the tables below:

|  | Three Months Ended |                         |                   |
|--|--------------------|-------------------------|-------------------|
|  | March 31,<br>2024  | December<br>31,<br>2023 | March 31,<br>2023 |
| <b>Millions of dollars</b>                 |                    |                         |                   |
| <b>Sales and other operating revenues:</b> |                    |                         |                   |
| O&P-Americas segment                       | \$ 2,871           | 2,864                   | \$ 2,808          |
| O&P-EAI segment                            | 2,745              | 2,412                   | 2,892             |
| I&D segment                                | 2,586              | 2,661                   | 2,682             |
| APS segment                                | 965                | 842                     | 997               |
| Refining segment                           | 2,090              | 2,400                   | 2,190             |
| Technology segment                         | 192                | 152                     | 139               |
| Other, including intersegment eliminations | (1,524)            | (1,402)                 | (1,461)           |
| Total                                      | <u>\$ 9,925</u>    | <u>\$ 9,929</u>         | <u>\$ 10,247</u>  |
| <b>Operating income (loss):</b>            |                    |                         |                   |
| O&P-Americas segment                       | \$ 356             | \$ 444                  | \$ 371            |
| O&P-EAI segment                            | (11)               | (140)                   | 21                |
| I&D segment                                | 212                | (30)                    | 320               |
| APS segment                                | 13                 | (17)                    | (247)             |
| Refining segment                           | 24                 | (13)                    | 186               |
| Technology segment                         | 109                | 69                      | 61                |
| Other, including intersegment eliminations | 1                  | 2                       | 1                 |
| Total                                      | <u>\$ 704</u>      | <u>\$ 315</u>           | <u>\$ 713</u>     |

|   | Three Months Ended |                         |                   |
|---|--------------------|-------------------------|-------------------|
|   | March 31,<br>2024  | December<br>31,<br>2023 | March 31,<br>2023 |
| <b>Millions of dollars</b>                    |                    |                         |                   |
| <b>Depreciation and amortization:</b>         |                    |                         |                   |
| O&P-Americas segment                          | \$ 151             | \$ 152                  | \$ 144            |
| O&P-EAI segment                               | 52                 | 59                      | 48                |
| I&D segment                                   | 100                | 110                     | 110               |
| APS segment                                   | 20                 | 28                      | 22                |
| Refining segment                              | 31                 | 23                      | 61                |
| Technology segment                            | 11                 | 8                       | 11                |
| Total   | <u>\$ 365</u>      | <u>\$ 380</u>           | <u>\$ 396</u>     |
| <b>Income (loss) from equity investments:</b> |                    |                         |                   |
| O&P-Americas segment                          | \$ 9               | \$ 8                    | \$ 23             |
| O&P-EAI segment                               | (32)               | (34)                    | 1                 |
| I&D segment                                   | (4)                | (5)                     | (6)               |
| APS segment                                   | —                  | —                       | (1)               |
| Total   | <u>\$ (27)</u>     | <u>\$ (31)</u>          | <u>\$ 17</u>      |
| <b>Other income (expense), net:</b>           |                    |                         |                   |
| O&P-Americas segment                          | \$ 5               | \$ —                    | \$ 3              |
| O&P-EAI segment                               | 5                  | (10)                    | 7                 |
| I&D segment                                   | 4                  | (2)                     | 2                 |
| APS segment                                   | 2                  | 1                       | —                 |
| Refining segment                              | —                  | —                       | (1)               |
| Technology segment                            | (2)                | —                       | 1                 |
| Other, including intersegment eliminations    | (9)                | (14)                    | (7)               |
| Total   | <u>\$ 5</u>        | <u>\$ (25)</u>          | <u>\$ 5</u>       |
| <b>EBITDA:</b>                                |                    |                         |                   |
| O&P-Americas segment                          | \$ 521             | \$ 604                  | \$ 541            |
| O&P-EAI segment                               | 14                 | (125)                   | 77                |
| I&D segment                                   | 312                | 73                      | 426               |
| APS segment                                   | 35                 | 12                      | (226)             |
| Refining segment                              | 55                 | 10                      | 246               |
| Technology segment                            | 118                | 77                      | 73                |
| Other, including intersegment eliminations    | (8)                | (12)                    | (6)               |
| Total   | <u>\$ 1,047</u>    | <u>\$ 639</u>           | <u>\$ 1,131</u>   |



## Olefins and Polyolefins-Americas Segment

**Overview**—EBITDA decreased in the first quarter of 2024 compared to the fourth quarter of 2023, primarily due to the absence of a LIFO inventory valuation benefit recognized in the fourth quarter of 2023. EBITDA decreased in the first quarter of 2024 relative to the first quarter of 2023 driven by lower income from equity investments and decreased polymer margins.

Ethylene Raw Materials—Ethylene and its co-products are produced from two major raw material groups:

- natural gas liquids (“NGLs”), principally ethane and propane, the prices of which are generally affected by natural gas prices; and
- crude oil-based liquids (“liquids” or “heavy liquids”), including naphtha, condensates and gas oils, the prices of which are generally related to crude oil prices.

We have flexibility to vary the raw material mix and process conditions in our U.S. olefins plants in order to maximize profitability as market prices fluctuate for both feedstocks and products. Although prices of crude-based liquids and natural gas liquids are generally related to crude oil and natural gas prices, during specific periods the relationships among these materials and benchmarks may vary significantly. Ethane represented approximately 75% of the raw materials used in our North American crackers during the first quarter of 2024 and the fourth quarter of 2023 and, approximately 65% in the first quarter of 2023.

The following table sets forth selected financial information for the O&P-Americas segment including Income from equity investments, which is a component of EBITDA:

|                                    | Three Months Ended |              |           |
|------------------------------------|--------------------|--------------|-----------|
|                                    | March 31,          | December 31, | March 31, |
| Millions of dollars                | 2024               | 2023         | 2023      |
| Sales and other operating revenues | \$ 2,871           | \$ 2,864     | \$ 2,808  |
| Income from equity investments     | 9                  | 8            | 23        |
| EBITDA                             | 521                | 604          | 541       |

**Revenue**—Revenues for our O&P-Americas segment remained relatively unchanged in the first quarter of 2024 compared to the fourth quarter of 2023 and increased by \$63 million, or 2%, in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—Revenue increased by 8% as a result of higher polymer average sales prices driven by supply disruptions caused by unusually cold temperatures in the Gulf Coast. Lower sales volume driven by planned and unplanned outages led to an 8% decrease in revenue.

First quarter of 2024 versus first quarter of 2023—Higher co-product and polyethylene volumes resulted in a 3% increase in revenue primarily driven by increased demand. Lower average polymer sales prices resulted in a 1% decrease in revenue.

**EBITDA**—EBITDA decreased by \$83 million, or 14%, in the first quarter of 2024 compared to the fourth quarter of 2023 and by \$20 million, or 4%, in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—During the fourth quarter of 2023 we recognized a \$73 million LIFO inventory benefit. The absence of a similar benefit in the first quarter of 2024 resulted in a 12% decrease in EBITDA. Lower olefin results led to an 8% decrease in EBITDA due to lower volumes from planned and unplanned outages. Higher polymer results led to a 5% increase in EBITDA primarily driven by an increase in polyethylene margins due to higher average sales prices and lower ethylene costs.

## [Table of Contents](#)

First quarter of 2024 versus first quarter of 2023—Lower income from equity investments led to a 2% decrease in EBITDA mainly attributable to lower polypropylene margins at our joint venture in Mexico. Lower polymer results led to a 2% decrease in EBITDA primarily driven by lower margins.

### **Olefins and Polyolefins-Europe, Asia, International Segment**

**Overview**—EBITDA increased in the first quarter of 2024 compared to the fourth quarter of 2023, due to higher volumes and margins across most businesses. EBITDA decreased in the first quarter of 2024 relative to the first quarter of 2023 primarily due to a decrease in income from equity investments and lower polymer margins.

Ethylene Raw Materials—In Europe, naphtha is the primary raw material for our ethylene production and represented approximately 65% to 70% of the raw materials used in the first quarter of 2024, and the fourth and first quarters of 2023.

The following table sets forth selected financial information for the O&P-EAI segment including (Loss) income from equity investments, which is a component of EBITDA:

| <b>Millions of dollars</b>            | <b>Three Months Ended</b> |                     |                           |
|---------------------------------------|---------------------------|---------------------|---------------------------|
|                                       | <b>December</b>           |                     |                           |
|                                       | <b>March 31,<br/>2024</b> | <b>31,<br/>2023</b> | <b>March 31,<br/>2023</b> |
| Sales and other operating revenues    | \$ 2,745                  | \$ 2,412            | \$ 2,892                  |
| (Loss) income from equity investments | (32)                      | (34)                | 1                         |
| EBITDA                                | 14                        | (125)               | 77                        |

**Revenue**—Revenues increased by \$333 million, or 14%, in the first quarter of 2024 compared to the fourth quarter of 2023 and decreased by \$147 million, or 5%, in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—Higher volumes resulted in a revenue increase of 11% primarily due to an increase in demand. Higher average sales prices resulted in a 2% increase in revenue reflecting increased demand from the impacts of the Red Sea logistics disruption which restricted competitive imports and increased restocking activities. Favorable foreign exchange impacts resulted in a revenue increase of 1%.

First quarter of 2024 versus first quarter of 2023—Lower average sales prices and volumes resulted in a decrease of 6% and 1%, respectively, due to lower demand. Favorable foreign exchange impacts resulted in a revenue increase of 2%.

**EBITDA**—EBITDA increased by \$139 million, or 111%, in the first quarter of 2024 compared to the fourth quarter of 2023 and decreased by \$63 million, or 82%, in the first quarter of 2024 compared to the first quarter of 2023.



First quarter of 2024 versus fourth quarter of 2023—During the fourth quarter of 2023 we recognized a non-cash impairment charge of \$38 million. The absence of a similar charge in the first quarter of 2024 resulted in a 30% increase in EBITDA. First quarter 2024 logistic disruptions in the Red Sea resulted in higher demand for our products. This drove a 54% increase in EBITDA in our polymer results and a 38% increase in olefins results primarily driven by higher volumes.

First quarter of 2024 versus first quarter of 2023—A decrease in income from our equity investments led to a decline in EBITDA of 42% due to the absence of a gain on sale of asset recognized by one of our joint ventures in Europe in the first quarter of 2023. Lower polymer results led to a 27% decrease in EBITDA primarily driven by decreased margins resulting from lower product prices due to weak demand.

## Intermediates and Derivatives Segment

**Overview**—During the fourth quarter of 2023 we recognized a non-cash impairment related to our European PO joint venture and LIFO inventory valuation charges. Similar charges were not recognized in the first quarter of 2024. EBITDA decreased in the first quarter of 2024 compared to the first quarter of 2023, primarily due to lower results across most businesses.

The following table sets forth selected financial information for the I&D segment including Loss from equity investments, which is a component of EBITDA:

|                                    | Three Months Ended |                         |                   |
|------------------------------------|--------------------|-------------------------|-------------------|
|                                    | March 31,<br>2024  | December<br>31,<br>2023 | March 31,<br>2023 |
| <b>Millions of dollars</b>         |                    |                         |                   |
| Sales and other operating revenues | \$ 2,586           | \$ 2,661                | \$ 2,682          |
| Loss from equity investments       | (4)                | (5)                     | (6)               |
| EBITDA                             | 312                | 73                      | 426               |

**Revenue**—Revenues decreased by \$75 million, or 3%, in the first quarter of 2024 compared to the fourth quarter of 2023 and by \$96 million, or 4%, in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—Sales volumes decreased due to unplanned downtime resulting in a 7% decrease in revenue. Higher average sales prices resulted in a 4% increase in revenue driven primarily by intermediate chemicals products resulting from tight market supply.

First quarter of 2024 versus first quarter of 2023—Lower average sales prices resulted in a 9% decrease in revenue driven by oxyfuels and related products as a result of lower gasoline premiums. Sales volumes increased resulting in a 4% increase in revenue due to additional PO/TBA capacity. Favorable foreign exchange impacts resulted in a revenue increase of 1%.

**EBITDA**—EBITDA increased by \$239 million, or 327%, in the first quarter of 2024 compared to the fourth quarter of 2023 and decreased by \$114 million, or 27%, in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—During the fourth quarter of 2023, we recognized a non-cash impairment charge related to our equity investment in the European PO joint venture and LIFO inventory valuation charges of \$192 million and \$97 million, respectively. The absence of similar charges in the first quarter of 2024 resulted in an increase in EBITDA.

First quarter of 2024 versus first quarter of 2023—Intermediate chemicals results declined, resulting in a 10% decrease in EBITDA primarily driven by lower volumes from unplanned

acetyls downtime. Propylene oxide and derivatives results drove a 9% decrease in EBITDA as lower demand pressured margins. Lower oxyfuels and related products results led to an EBITDA decrease of 3% driven primarily by lower margins due to lower blend premiums.

## Advanced Polymer Solutions Segment

**Overview**—EBITDA increased in the first quarter of 2024 relative to the fourth quarter of 2023 primarily due to higher sales volumes. During the first quarter of 2023 we recognized a non-cash goodwill impairment charge of \$252 million, no similar charges were recognized during the first quarter of 2024.

The following table sets forth selected financial information for the APS segment including Loss from equity investments, which is a component of EBITDA:

|                                    | Three Months Ended |                         |                   |
|------------------------------------|--------------------|-------------------------|-------------------|
|                                    | March 31,<br>2024  | December<br>31,<br>2023 | March 31,<br>2023 |
| <b>Millions of dollars</b>         |                    |                         |                   |
| Sales and other operating revenues | \$ 965             | \$ 842                  | \$ 997            |
| Loss from equity investments       | —                  | —                       | (1)               |
| EBITDA                             | 35                 | 12                      | (226)             |

**Revenue**—Revenues increased by \$123 million, or 15%, in the first quarter of 2024 compared to the fourth quarter of 2023 and decreased by \$32 million, or 3%, in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—Sales volumes increased resulting in a 12% increase in revenue stemming from higher demand. Average sales price increased resulting in a 2% increase in revenue. Favorable foreign exchange impacts resulted in a revenue increase of 1%.

First quarter of 2024 versus first quarter of 2023—Average sales price decreased resulting in an 8% decrease in revenue. Sales volumes increased resulting in a 4% increase in revenue due to higher demand. Favorable foreign exchange impacts resulted in a revenue increase of 1%.

**EBITDA**—EBITDA increased by \$23 million or 192% in the first quarter of 2024 compared to the fourth quarter of 2023 and by \$261 million or 115% in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—EBITDA increased primarily due to higher volumes as a result of seasonal demand.

First quarter of 2024 versus first quarter of 2023—During the first quarter of 2023 we recognized a non-cash goodwill impairment charge of \$252 million after the effect of moving our Catalloy and polybutene-1 businesses from our APS segment and reintegrating them into our O&P-Americas and O&P-EAI segments. The absence of this impairment charge in the first quarter of 2024 was the primary driver for the improved EBITDA results.



## Refining Segment

**Overview**—EBITDA increased in the first quarter of 2024 compared to the fourth quarter of 2023 due to the absence of a LIFO inventory valuation charge recognized in the fourth quarter of 2023, partially offset by a decrease in margins as the impact of commodity hedges more than offset improvement in Maya 2-1-1 margins. EBITDA decreased in the first quarter of 2024 compared to the first quarter of 2023 primarily due to lower margins.

The following table sets forth selected financial information and heavy crude oil processing rates for the Refining segment and the U.S. refining market margins for the applicable periods. “Brent” is a light sweet crude oil and is one of the main benchmark prices for purchases of oil worldwide. “Maya” is a heavy sour crude oil grade produced in Mexico that is a relevant benchmark for heavy sour crude oils in the U.S. Gulf Coast market. References to industry benchmarks for refining market margins are to industry prices reported by Platts, a division of S&P Global.

|   | Three Months Ended |                         |                   |
|---|--------------------|-------------------------|-------------------|
|   | March 31,<br>2024  | December<br>31,<br>2023 | March 31,<br>2023 |
| <b>Millions of dollars</b>                |                    |                         |                   |
| Sales and other operating revenues        | \$ 2,090           | \$ 2,400                | \$ 2,190          |
| EBITDA                                    | 55                 | 10                      | 246               |
| <b>Thousands of barrels per day</b>       |                    |                         |                   |
| Heavy crude oil processing rates          | 212                | 230                     | 226               |
| <b>Market margins, dollars per barrel</b> |                    |                         |                   |
| Brent - 2-1-1                             | \$ 21.41           | \$ 16.09                | \$ 29.44          |
| Brent - Maya differential                 | 12.29              | 10.79                   | 19.39             |
| Total Maya 2-1-1                          | <u>\$ 33.70</u>    | <u>\$ 26.88</u>         | <u>\$ 48.83</u>   |

**Revenue**—Revenues decreased by \$310 million, or 13%, in the first quarter of 2024 compared to the fourth quarter of 2023 and by \$100 million, or 5%, in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—Lower product prices led to a revenue decrease of 9% due to an average Brent crude oil price decrease of approximately \$0.84 per barrel. Lower sales volumes due to planned and unplanned outages led to a 4% decline in revenue.

First quarter of 2024 versus first quarter of 2023—Lower product prices led to a revenue decrease of 8% due to lower average sales prices reflecting lower margins on refined

products. Sales volumes were higher in the first quarter of 2024 as the first quarter of 2023 includes the effects of rebuilding inventory levels following the fourth quarter of 2022 unplanned downtime. This volume variance resulted in a 3% increase in revenue.

**EBITDA**—EBITDA increased by \$45 million, or 450%, in the first quarter of 2024 compared to the fourth quarter of 2023 and decreased by \$191 million, or 78%, in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—During the fourth quarter of 2023 we recognized LIFO inventory charges of \$42 million, no similar charges were recognized in the first quarter of 2024. Margin changes resulted in an EBITDA decrease of 60% in the first quarter of 2024. Despite an increase in the Maya 2-1-1 industry crack spread of approximately \$7 per barrel to \$34 per barrel in the first quarter, the mark-to-market impact of our commodity hedges offset this benefit. For additional information related to our financial instruments, see Note 8 to the Consolidated Financial Statements.

## [Table of Contents](#)

First quarter of 2024 versus first quarter of 2023—Lower margins drove a 90% decrease in EBITDA primarily due to a decrease in the Maya 2-1-1 industry crack spread of approximately \$15 per barrel driven by lower Maya crude differential resulting from a decrease in heavy crude supply. Lower volumes due to planned and unplanned downtime resulted in a 9% decrease in EBITDA. A decrease in costs incurred related to our planned exit from the refining business in the first quarter of 2024 compared to the first quarter of 2023 resulted in a 22% increase in EBITDA.

### Technology Segment

**Overview**—EBITDA increased in the first quarter of 2024 compared to the fourth quarter of 2023 and in the first quarter of 2024 relative to the first quarter of 2023 primarily due to licensing results.

The following table sets forth selected financial information for the Technology segment:

| Millions of dollars                | Three Months Ended |             |                   |
|------------------------------------|--------------------|-------------|-------------------|
|                                    | December           |             |                   |
|                                    | March 31,<br>2024  | 31,<br>2023 | March 31,<br>2023 |
| Sales and other operating revenues | \$ 192             | \$ 152      | \$ 139            |
| EBITDA                             | 118                | 77          | 73                |

**Revenue**—Revenues increased by \$40 million, or 26%, in the first quarter of 2024 compared to the fourth quarter of 2023 and by \$53 million, or 38%, in the first quarter of 2024 compared to the first quarter of 2023.

First quarter of 2024 versus fourth quarter of 2023—Higher licensing revenues resulting from more contracts reaching significant milestones drove a 28% increase in revenue. Favorable foreign exchange impacts increased revenue by 1%. Lower catalyst volume resulted in a 3% decrease in revenue primarily driven by weaker demand.

First quarter of 2024 versus first quarter of 2023—Higher licensing revenues resulting from more contracts reaching significant milestones drove a 30% increase in revenue. Higher catalyst volumes resulted in a 5% increase in revenue primarily driven by higher demand. Favorable foreign exchange impacts increased revenue by 2%. Higher average catalyst sales price resulted in a 1% increase in revenues.

**EBITDA**—EBITDA increased by \$41 million, or 53%, in the first quarter of 2024 compared to the fourth quarter of 2023 and by \$45 million, or 62%, in the first quarter of 2024 compared to the first quarter of 2023. Licensing results led to a 56% increase in EBITDA in the first quarter of 2024 compared to both the fourth and first quarters of 2023, as a result of more contracts with higher average values reaching significant milestones.





## FINANCIAL CONDITION

Operating, investing and financing activities of continuing operations, which are discussed below, are presented in the following table:

| Millions of dollars         | Three Months Ended<br>March 31, |        |
|-----------------------------|---------------------------------|--------|
|                             | 2024                            | 2023   |
| Cash provided by (used in): |                                 |        |
| Operating activities        | \$ (114)                        | \$ 482 |
| Investing activities        | (510)                           | (371)  |
| Financing activities        | (412)                           | (477)  |

**Operating Activities**—Cash used in operating activities of \$114 million in the first quarter of 2024 primarily reflected earnings adjusted for non-cash items and cash used by the main components of working capital—Accounts receivable, Inventories, and Accounts payable.

In the first quarter of 2024, the main components of working capital used \$629 million of cash primarily driven by increases in Accounts receivable due to higher volumes and prices across most of our segments.

Cash provided by operating activities of \$482 million in the first quarter of 2023 primarily reflected earnings adjusted for non-cash items and cash used by the main components of working capital.

In the first quarter of 2023, the main components of working capital used \$558 million of cash driven primarily by increases in Accounts receivable and Inventories. The increase in Accounts receivable was primarily driven by higher volumes and average sales prices in our O&P-EAI, I&D and APS segments. The increase in Inventories was primarily due to inventory build associated with the timing of the start-up of our PO/TBA plant in Houston, TX as well as planned and unplanned outages.

**Investing Activities**—Capital expenditures in the first quarter of 2024 totaled \$483 million compared to \$352 million in the first quarter of 2023. During the first quarter of 2024 and 2023, approximately 80% and 55% of the expenditures support sustaining maintenance, respectively, with the remaining expenditures supporting profit-generating growth projects. Capital expenditures in first quarter of 2023 included spending for our PO/TBA plant.

**Financing Activities**—We made dividend payments totaling \$408 million and \$389 million in the first quarter of 2024 and 2023, respectively. We had no share repurchases in the first quarter of 2024 and we made payments of \$70 million to repurchase outstanding ordinary shares in the first quarter of 2023.

In February 2024, we issued \$750 million of 5.5% guaranteed notes due 2034. In March 2024, we repaid the \$775 million remaining of outstanding principal on our 5.75% senior notes due 2024. For additional detail see Note 7 to the Consolidated Financial Statements.

## **Liquidity and Capital Resources**

### Overview

We plan to fund our working capital, capital expenditures, debt service, dividends and other cash requirements with our current available liquidity and cash from operations, which could be affected by general economic, financial, competitive, legislative, regulatory, business and other factors, many of which are beyond our control. Debt repayment, and the purchase of shares under our share repurchase authorization, may be funded from cash and cash equivalents, cash from short-term investments, cash from operating activities, proceeds from the issuance of debt, or a combination thereof.

## [Table of Contents](#)

As part of our overall capital allocation strategy, we plan to provide returns to shareholders in the form of dividends and share repurchases. Barring any significant or unforeseen business challenges, mergers or acquisitions, over the long-term, we are targeting shareholder returns of 70% of free cash flow, defined as net cash provided by operating activities less capital expenditures. We intend to continue to declare and pay quarterly dividends, with the goal of increasing the dividend over time, after giving consideration to our cash balances and expected results from operations. Our focus on funding our dividends while remaining committed to a strong investment grade balance sheet continues to be the foundation of our capital allocation strategy.

### Cash and Liquid Investments

As of March 31, 2024, we had Cash and cash equivalents totaling \$2,314 million, which includes \$1,524 million in jurisdictions outside of the U.S., the majority of which is held within the European Union and the United Kingdom. There are currently no legal or economic restrictions that would materially impede our transfers of cash.

### Credit Arrangements

At March 31, 2024, we had total debt, including current maturities, of \$11,194 million. Additionally, we had \$143 million of outstanding letters of credit, bank guarantees and surety bonds issued under uncommitted credit facilities.

We had total unused availability under our credit facilities of \$4,150 million at March 31, 2024, which included the following:

- \$3,250 million under our \$3,250 million Senior Revolving Credit Facility, which backs our \$2,500 million commercial paper program. Availability under this facility is net of outstanding borrowings, outstanding letters of credit provided under the facility and notes issued under our commercial paper program. At March 31, 2024, we had no outstanding commercial paper and no borrowings or letters of credit outstanding under this facility; and
- \$900 million under our \$900 million U.S. Receivables Facility. Availability under this facility is subject to a borrowing base of eligible receivables, which is reduced by outstanding borrowings and letters of credit, if any. At March 31, 2024, we had no borrowings or letters of credit outstanding under this facility.

At any time and from time to time, we may repay or redeem our outstanding debt, including purchases of our outstanding bonds in the open market, through privately negotiated transactions or a combination thereof, in each case using cash and cash equivalents, cash from our short-term investments, cash from operating activities, proceeds from the issuance of debt or proceeds from asset divestitures. Any repayment or redemption of our debt will depend on prevailing market conditions, our liquidity requirements, contractual restrictions and other factors. In connection with such repurchases or redemptions, we may incur cash and non-cash charges, which could be material in the period in which they are incurred.

## Share Repurchases

In May 2023, our shareholders approved a proposal to authorize us to repurchase up to 34.0 million ordinary shares, through November 19, 2024, which superseded any prior repurchase authorizations. Our share repurchase authorization does not have a stated dollar amount, and purchases may be made through open market purchases, private market transactions or other structured transactions. Repurchased shares could be retired or used for general corporate purposes, including for various employee benefit and compensation plans. The maximum number of shares that may yet be purchased is not necessarily an indication of the number of shares that will ultimately be purchased. There were no share repurchases during the first quarter of 2024.

As of April 24, 2024, we had approximately 33.1 million shares remaining under the current authorization. The timing and amounts of additional shares repurchased, if any, will be determined based on our evaluation of market conditions and other factors, including any additional authorizations approved by our shareholders. For additional information related to our share repurchase authorizations, see Note 11 to the Consolidated Financial Statements.

## **CURRENT BUSINESS OUTLOOK**

In the second quarter of 2024, we expect seasonal demand improvements across most of our segments. Low costs for natural gas and NGLs should continue to benefit margins for our North American and Middle East production relative to higher oil-based costs in most other regions. With the start of the summer driving season, oxyfuels and refining margins are expected to increase with higher gasoline crack spreads and lower butane costs. During the second quarter of 2024, we expect to operate our assets in line with market demand with average operating rates of 85% for our O&P-Americas and O&P-EAI segments and 80% for our Intermediates & Derivatives segment. We continue to monitor targeted stimulus efforts and remain watchful for demand improvements in China.

## **ACCOUNTING AND REPORTING CHANGES**

For a discussion of the potential impact of new accounting pronouncements on the Consolidated Financial Statements, see Note 2 to the Consolidated Financial Statements.

**CAUTIONARY STATEMENT FOR THE PURPOSES OF THE “SAFE HARBOR”  
PROVISIONS OF THE PRIVATE SECURITIES LITIGATION REFORM ACT OF 1995**

This report includes forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 (the “Securities Act”) and Section 21E of the Securities Exchange Act of 1934 (the “Exchange Act”). You can identify our forward-looking statements by the words “anticipate,” “estimate,” “believe,” “continue,” “could,” “intend,” “may,” “plan,” “potential,” “predict,” “should,” “will,” “expect,” “objective,” “projection,” “forecast,” “goal,” “guidance,” “outlook,” “effort,” “target” and similar expressions.

We based forward-looking statements on our current expectations, estimates and projections of our business and the industries in which we operate. We caution you that these statements are not guarantees of future performance. They involve assumptions about future events that, while made in good faith, may prove to be incorrect, and involve risks and uncertainties we cannot predict. Our actual outcomes and results may differ materially from what we have expressed or forecast in the forward-looking statements. Any differences could result from a variety of factors, including the following:

- the cost of raw materials represents a substantial portion of our operating expenses, and energy costs generally follow price trends of crude oil, natural gas liquids and/or natural gas; price volatility can significantly affect our results of operations and we may be unable to pass raw material and energy cost increases on to our customers due to the significant competition that we face, the commodity nature of our products and the time required to implement pricing changes;
- our operations in the United States (“U.S.”) have benefited from low-cost natural gas and natural gas liquids; decreased availability of these materials (for example, from their export or regulations impacting hydraulic fracturing in the U.S.) could reduce the current benefits we receive;
- if crude oil prices are low relative to U.S. natural gas prices, we could see less benefit from low-cost natural gas and natural gas liquids and it could have a negative effect on our results of operations;
- industry production capacities and operating rates may lead to periods of oversupply and low profitability;
- we may face unplanned operating interruptions (including leaks, explosions, fires, weather-related incidents, mechanical failures, unscheduled downtime, supplier disruptions, labor shortages, strikes, work stoppages or other labor difficulties, transportation interruptions, spills and releases and other environmental incidents) at any of our facilities, which would negatively impact our operating results;
- changes in general economic, business, political and regulatory conditions in the countries or regions in which we operate could increase our costs, restrict our operations and reduce our operating results;

- our ability to execute our organic growth plans may be negatively affected by our ability to complete projects on time and on budget;
- our ability to acquire or dispose of product lines or businesses could disrupt our business and harm our financial condition;
- uncertainties associated with worldwide economies could create reductions in demand and pricing, as well as increased counterparty risks, which could reduce liquidity or cause financial losses resulting from counterparty default;
- the negative outcome of any legal, tax and environmental proceedings or changes in laws or regulations regarding legal, tax and environmental matters may increase our costs, reduce demand for our products, or otherwise limit our ability to achieve savings under current regulations;
- any loss or non-renewal of favorable tax treatment under tax agreements or tax treaties, or changes in tax laws, regulations or treaties, may substantially increase our tax liabilities;



## [Table of Contents](#)

- we may be required to reduce production or idle certain facilities because of the cyclical and volatile nature of the supply-demand balance in the chemical and refining industries, which would negatively affect our operating results;
- we rely on continuing technological innovation, and an inability to protect our technology, or others' technological developments could negatively impact our competitive position;
- we may be unable to continue operations until the shutdown of the Houston refinery within the expected timeframe or without incurring additional charges or expenses;
- we have significant international operations, and fluctuations in exchange rates, valuations of currencies and our possible inability to access cash from operations in certain jurisdictions on a tax-efficient basis, if at all, could negatively affect our liquidity and our results of operations;
- we are subject to the risks of doing business at a global level, including wars, terrorist activities, political and economic instability and disruptions and changes in governmental policies, which could cause increased expenses, decreased demand or prices for our products and/or disruptions in operations, all of which could reduce our operating results;
- if we are unable to achieve our emission reduction, circularity, or other sustainability targets, it could result in reputational harm, changing investor sentiment regarding investment in our stock or a negative impact on our access to and cost of capital;
- our ability to execute and achieve expected results of our value enhancement program;
- if we are unable to comply with the terms of our credit facilities, indebtedness and other financing arrangements, those obligations could be accelerated, which we may not be able to repay; and
- we may be unable to incur additional indebtedness or obtain financing on terms that we deem acceptable, including for refinancing of our current obligations; higher interest rates and costs of financing would increase our expenses.

Any of these factors, or a combination of these factors, could materially affect our future results of operations and the ultimate accuracy of the forward-looking statements. Our management cautions against putting undue reliance on forward-looking statements or projecting any future results based on such statements or present or prior earnings levels.

All subsequent written and oral forward-looking statements attributable to us or any person acting on our behalf are expressly qualified in their entirety by the cautionary statements contained or referred to in this section and any other cautionary statements that may accompany such forward-looking statements. Except as otherwise required by applicable law, we disclaim any duty to update any forward-looking statements.

### **Item 3. QUANTITATIVE AND QUALITATIVE DISCLOSURES ABOUT MARKET RISK**

Our exposure to market and regulatory risks is described in Item 7A of our Annual Report on Form 10-K for the year ended December 31, 2023. Our exposure to such risks has not changed materially in the three months ended March 31, 2024.

**Item 4. CONTROLS AND PROCEDURES**

As of March 31, 2024, with the participation of our management, our Chief Executive Officer (principal executive officer) and our Chief Financial Officer (principal financial officer) carried out an evaluation, pursuant to Rule 13a-15(b) of the Securities Exchange Act of 1934, as amended (the “Act”), of the effectiveness of the design and operation of our disclosure controls and procedures (as defined in Rule 13a-15(e) of the Act). Based upon that evaluation, our Chief Executive Officer and our Chief Financial Officer concluded that our disclosure controls and procedures were effective as of March 31, 2024.

There have been no changes in our internal controls over financial reporting, as defined in Rule 13a-15(f) of the Act, in the period covered by this report that have materially affected, or are reasonably likely to materially affect, our internal control over financial reporting.

## **PART II. OTHER INFORMATION**

### **Item 1. LEGAL PROCEEDINGS**

Information regarding our litigation and legal proceedings can be found in Note 10 to the Consolidated Financial Statements, which is incorporated into this Item 1 by reference.

Additional information about our environmental proceedings can be found in Part I, Item 3 of our 2023 Annual Report on Form 10-K, which is incorporated into this Item 1 by reference.

### **Item 1A. RISK FACTORS**

There have been no material changes to the risk factors associated with our business previously disclosed in “Item 1A. Risk Factors,” in our Annual Report on Form 10-K for the year ended December 31, 2023.

### **Item 2. UNREGISTERED SALES OF EQUITY SECURITIES AND USE OF PROCEEDS**

On May 19, 2023, our shareholders approved a share repurchase authorization of up to 34,042,250 shares of our ordinary shares, through November 19, 2024, which superseded any prior repurchase authorizations. The maximum number of shares that may yet be purchased is not necessarily an indication of the number of shares that will ultimately be purchased.

### **Item 4. MINE SAFETY DISCLOSURES**

Not applicable.

### **Item 5. OTHER INFORMATION**

During the three months ended March 31, 2024, none of our Section 16 officers or directors adopted or terminated any contract, instruction or written plan for the purchase or sale of our securities that was intended to satisfy the affirmative defense conditions of Rule 10b5-1(c) or any “non-Rule 10b5-1 trading arrangement.”

[Table of Contents](#)

**Item 6. EXHIBITS**

| <b>Exhibit<br/>Number</b> | <b>Description</b>  |
|---------------------------|---|
| 4.1                       | <a href="#"><u>Indenture, among LYB International Finance III, LLC, as Issuer, LyondellBasell Industries N.V., as Guarantor, and Wells Fargo Bank, National Association, as Trustee, dated as of October 10, 2019 (incorporated by reference to Exhibit 4.1 to our Current Report on Form 8-K filed with the SEC on October 10, 2019).</u></a>  |
| 4.2                       | <a href="#"><u>Supplemental Indenture, among LYB International Finance III, LLC, as Issuer, LyondellBasell Industries N.V., as Guarantor, Computershare Trust Company, N.A., as Base Trustee (as successor to Wells Fargo Bank, National Association) and The Bank of New York Mellon Trust Company, N.A., as Trustee, dated as of May 17, 2023 (incorporated by reference to Exhibit 4.44 to Post-Effective Amendment No. 1 to the Registration Statement on Form S-3 (File No. 333-261639) filed with the SEC on May 17, 2023).</u></a> |
| 4.3                       | <a href="#"><u>Officer's Certificate of LYB International Finance III, LLC relating to the 5.500% Guaranteed Notes due 2034, dated as of February 28, 2024 (incorporated by reference to Exhibit 4.3 to our Current Report on Form 8-K filed with the SEC on February 26, 2024).</u></a>  |
| 4.4                       | <a href="#"><u>Form of LYB International Finance III, LLC's 5.500% Guaranteed Notes due 2034 (included in Exhibit 4.3).</u></a>   |
| 31.1*                     | <a href="#"><u>Certification of Principal Executive Officer pursuant to Rule 13a-14(a) under the Securities Exchange Act of 1934</u></a>  |
| 31.2*                     | <a href="#"><u>Certification of Principal Financial Officer pursuant to Rule 13a-14(a) under the Securities Exchange Act of 1934</u></a>  |
| 32*                       | <a href="#"><u>Certifications pursuant to 18 U.S.C. Section 1350</u></a>  |
| 101.INS*                  | XBRL Instance Document-The instance document does not appear in the interactive data file because its XBRL tags are embedded within the Inline XBRL document.   |
| 101.SCH*                  | XBRL Schema Document  |
| 101.CAL*                  | XBRL Calculation Linkbase Document  |
| 101.DEF*                  | XBRL Definition Linkbase Document   |
| 101.LAB*                  | XBRL Labels Linkbase Document   |
| 101.PRE*                  | XBRL Presentation Linkbase Document   |
| 104*                      | Cover Page Interactive Data File (formatted as inline XBRL and contained in Exhibit 101)  |

\* Filed herewith

**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

**LYONDELLBASELL INDUSTRIES  
N.V.**

Date: April 26, 2024

/s/ Chukwuemeka A. Oyolu  
Chukwuemeka A. Oyolu  
Senior Vice President,  
Chief Accounting Officer and Investor  
Relations  
(Principal Accounting Officer)