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UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

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**FORM 11-K**

ANNUAL REPORT PURSUANT TO SECTION 15(d) OF THE  
SECURITIES EXCHANGE ACT OF 1934

ANNUAL REPORT PURSUANT TO SECTION 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended December 31, 2022

Or

TRANSITION REPORT PURSUANT TO SECTION 15(d)  
OF THE SECURITIES EXCHANGE ACT OF 1934

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

Commission file number 1-7615

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**KIRBY 401(k) PLAN**

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Kirby Corporation  
55 Waugh Drive, Suite 1000  
Houston, Texas 77007

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KIRBY 401(k) PLAN

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Supplemental schedules, other than listed above, are omitted because of the absence of the conditions under which they are required.

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## Report of Independent Registered Public Accounting Firm

To the Administrator and Plan Participants  
Kirby 401(k) Plan

### ***Opinion on the Financial Statements***

We have audited the accompanying statements of net assets available for benefits (modified cash basis) of the Kirby 401(k) Plan (the Plan) as of December 31, 2022 and 2021, and the related statements of changes in net assets available for benefits (modified cash basis) for the years then ended, and the related notes and schedule (collectively referred to as the financial statements). In our opinion, the financial statements present fairly, in all material respects, the net assets available for benefits of the Plan as of December 31, 2022 and 2021, and the changes in net assets available for benefits for the years then ended, on the basis of accounting described in Note 2.

### ***Basis for Opinion***

These financial statements are the responsibility of Plan management. Our responsibility is to express an opinion on these financial statements based on our audits. We are a public accounting firm registered with the Public Company Accounting Oversight Board (United States) (PCAOB) and are required to be independent with respect to the Plan in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud.

Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

### ***Modified Cash Basis of Accounting***

We draw attention to Note 2 of the financial statements, which describes the basis of accounting. The financial statements and supplemental schedule are prepared on the modified cash basis of accounting, which is a basis of accounting other than accounting principles generally accepted in the United States of America. Our opinion is not modified with respect to this matter.

### ***Supplementary Information***

The supplementary information in the accompanying schedule of assets (held at end of year) (modified cash basis) as of December 31, 2022 has been subjected to audit procedures performed in conjunction with the audit of the Plan's financial statements. The supplementary information is the responsibility of Plan management. Our audit procedures included determining whether the supplemental information reconciles to the financial statements or the underlying accounting and other records, as applicable and performing procedures to test the completeness and accuracy of the information presented in the supplemental information. In forming our opinion on the supplemental information in the accompanying schedule, we evaluated whether the supplementary information, including its form and content, is presented in conformity with the Department of Labor's Rules and Regulations for Reporting and Disclosure under the Employee Retirement Income Security Act of 1974. In our opinion, the supplemental information in the accompanying schedule is fairly stated, in all material respects, in relation to the financial statements as a whole.

/s/ Weaver and Tidwell, L.L.P.  
WEAVER AND TIDWELL, L.L.P.

We have served as the Plan's auditor since 2016.

Houston, Texas  
June 26, 2023

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**KIRBY 401(k) PLAN**  
Statements of Net Assets Available for Benefits  
(Modified Cash Basis)  
December 31, 2022 and 2021

	<u>2022</u>	<u>2021</u>
<b>Assets:</b>		
Investments, at fair value	\$ 663,568,948	\$ 678,930,821
Notes receivable from participants	24,896,631	25,185,998
Other receivables	15,339	46,485
<b>Total assets</b>	<u>688,480,918</u>	<u>704,163,304</u>
<b>Liabilities:</b>		
Other liabilities	208,009	—
<b>Total liabilities</b>	<u>208,009</u>	<u>—</u>
<b>Net assets available for benefits</b>	<u>\$ 688,272,909</u>	<u>\$ 704,163,304</u>

See accompanying notes to financial statements.

**KIRBY 401(k) PLAN**  
Statements of Changes in Net Assets Available for Benefits  
(Modified Cash Basis)  
December 31, 2022 and 2021

	2022	2021
<b>Additions to net assets attributed to:</b>		
Contributions from participants	\$ 26,974,237	\$ 27,267,062
Contributions from employer, net of forfeitures	20,680,504	22,000,672
Rollover contributions	2,615,815	6,798,302
Dividend and other income	23,894,033	36,185,077
Interest income from participants' notes receivable	1,169,542	1,277,137
Net appreciation in fair value of investments	—	46,322,183
<b>Total additions, net</b>	<u>75,334,131</u>	<u>139,850,433</u>
<b>Deductions from net assets attributed to:</b>		
Benefits paid to participants	98,027,421	89,968,640
Investment counselor fees and other	340,010	217,154
Net depreciation in fair value of investments	139,010,952	—
<b>Total deductions</b>	<u>237,378,383</u>	<u>90,185,794</u>
Net increase (decrease) before transfer from Kirby Profit Sharing Plan	(162,044,252)	49,664,639
Transfer from Kirby Profit Sharing Plan	146,153,857	—
Net increase (decrease) after transfer from Kirby Profit Sharing Plan	(15,890,395)	49,664,639
<b>Net assets available for benefits, beginning of year</b>	<u>704,163,304</u>	<u>654,498,665</u>
<b>Net assets available for benefits, end of year</b>	<u>\$ 688,272,909</u>	<u>\$ 704,163,304</u>

See accompanying notes to financial statements.

**KIRBY 401(k) PLAN**  
Notes to Financial Statements  
(Modified Cash Basis)  
December 31, 2022 and 2021

**(1) Description of Plan**

**(a) General**

The Kirby 401(k) Plan (as amended and restated, the “Plan”) is a defined contribution 401(k) plan for the benefit of employees of Kirby Corporation (the “Company”) and certain subsidiaries. Employees covered by collective bargaining agreements, the terms of which do not provide for participation in the Plan, are not eligible. The Plan is subject to the provisions of the Employee Retirement Income Security Act of 1974, as amended (“ERISA”). Further information relating to the Plan’s provisions is available in the Plan documents.

**(b) Administration of the Plan**

The general administration of the Plan is the responsibility of the Company (the “Plan Administrator”), and it has appointed the Kirby Corporation Administrative Committee to manage the Plan. The Plan Administrator has broad powers regarding the operation and administration of the Plan and receives no compensation for service to the Plan. Bank of America, N.A. (“Bank of America”) is the trustee of the Plan.

On January 3, 2022, the Kirby Profit Sharing Plan funds, including \$146,153,857 of participant investments were transferred into the Plan. The Profit Sharing funds are maintained as a separate source and contributions for Profit Sharing are contributed by the Company to the Plan on the same basis.

**(c) Contributions**

Each employee is eligible to join the Plan as of the first pay period following completion of three months of service and the attainment of age 18 unless specified otherwise by a collective bargaining agreement. The Plan allows Non-Highly Compensated Employees, as defined by the Internal Revenue Service (“IRS”), to contribute up to 50% of considered compensation, as defined by the Plan and Highly Compensated Employees to contribute up to 17% of considered compensation. Employee contributions to the Plan up to 50% of considered compensation are allowed under certain collective bargaining agreements. Participants age 50 or older during the Plan year may also elect to make a “catch-up” contribution, subject to certain IRS limits (\$6,500 in 2022 and 2021). The Plan allows participants to designate their contributions as either pretax contributions or Roth (after-tax) contributions. The Company contributes matching employer contributions equal to 100% of the employee’s contribution, up to 3% of the employee’s considered compensation. Each participant directs his or her contributions and the Company’s matching contributions between the investment funds offered by the Plan, including Company common stock.

Vessel based employees of Kirby Offshore Marine, LLC (“KOM”) whose employment is covered by collective bargaining agreements receive a non-discretionary employer match and may receive a discretionary employer contribution based on the terms of the applicable collective bargaining agreement.

The Plan allows the employer, at its discretion, to make an additional employer discretionary contribution for eligible employees equal to 5% of the employees’ considered compensation. Eligible employees are employees of United Holdings, LLC (“United”), certain vessel personnel and shore based tankermen who are employees of Kirby Inland Marine, LP (“KIM”), and employees of KOM assigned the classification of Vessel Employee as determined by the Company. On April 3, 2023, the Company made a discretionary contribution of \$12,833,128 to the Plan for eligible United, Stewart & Stevenson LLC, KIM, and KOM employees for the 2022 Plan year. On April 1, 2022, the Company made a discretionary contribution of \$11,226,762 to the Plan for eligible United, KIM, and KOM employees for the 2021 Plan year.

The Plan also allows the employer, at its discretion, to make a Profit Sharing contribution to eligible employees who are not covered under a collective bargaining agreement, the Company’s pension plans, or eligible to receive employer discretionary contributions as defined by the Plan. Under the provisions of the Plan, the employer (the Company or a participating company within the controlled group of the Company), may contribute, as a Profit Sharing Contribution, an amount, if any, as it shall deem appropriate, but the aggregate of such contributions shall not, with respect to either the Marine Group or the Diesel Group, as defined by the Plan, exceed (a) the lesser of (i) 12% of the total compensation paid or accrued to all eligible participants, as defined by the Plan, or (ii) the profit-based limit; in which the formula is defined by the Plan; or (b) such other amount as the Compensation Committee of the Board of Directors of the Company may determine at its sole discretion. On July 1, 2022, the Company made a Profit Sharing contribution of \$4,005,531 to the Plan for the 2021 Plan year. The contribution was accrued in 2021 in the Kirby Profit Sharing Plan’s financial statements and is included in the Transfer from Kirby Profit Sharing Plan on the statements of changes in net assets available for benefits.

The Plan allows the use of forfeited amounts to offset future employer matching contributions. Forfeitures from non-vested accounts of \$2,292,233 and \$1,762,313 were used to reduce the Plan’s matching contributions in 2022 and 2021, respectively.

All employees hired or rehired are automatically enrolled at a 3% pretax contribution rate, unless otherwise elected by the participant. In addition, participants may contribute amounts representing rollovers from other qualified plans or from an individual retirement arrangement.

**(d) Benefits**

Benefit payments are made to participants upon retirement or termination of employment (or to the beneficiary in the event of death) and are in the form of lump sum or installment distribution payments. A participant may request a loan for up to the lesser of 50% of the participant’s vested

interest or \$50,000, less the participant's highest outstanding loan balance during the preceding 12 months. Loans typically bear interest at prime rate plus 1%. Interest rates ranged from 4.0% to 8.0% at December 31, 2022. Loans outstanding at December 31, 2022 mature from January 3, 2023 through March 15, 2039. Loans outstanding upon a participant's termination of employment are considered deemed distributions if not repaid and are deducted from the participant's account balance prior to distribution. These amounts are taxed to the participant in the year of the participant's termination. Active participants who qualify for an in-service withdrawal after attaining 59½ years of age may be paid their benefits in a single sum cash payment or rollover as soon as administratively possible.

A Profit Sharing participant could, upon resignation from or discharge by the employer, withdraw the vested portion of the account relating to employer contributions. Distributions of the account relating to employer contributions would be paid as a lump sum. Amounts defined by the Plan as merger accounts and merger benefits were generally paid as a qualified joint and survivor annuity subject to certain spousal consent requirements if a lump sum distribution was elected. Participants who reached the age of 55 and were 100% vested could elect to transfer amounts to the Kirby 401(k) Plan subject to certain restrictions described in the Plan document. Participants who reached the age of 55 and had completed six full years of vesting service were entitled to withdraw all vested amounts from his or her Profit Sharing account.

Profit Sharing accounts are not available for a loan.

The Plan requires automatic distribution of participant accounts upon termination without the participant's consent of amounts less than \$5,000 and greater than \$1,000. If the participant does not elect to have the amount paid directly to an eligible retirement plan or receive a distribution directly, then the Plan will pay the distribution to an individual retirement plan designated by the Plan Administrator. Amounts less than \$1,000 are paid directly to participants upon termination.

**(e) Vesting**

Participants are 100% vested in their participant contributions and rollovers, if any. Employer contributions are subject to a six-year vesting schedule. The vesting schedule of employer contributions for employees covered by collective bargaining agreements are specified by those particular agreements. Forfeitures in the amount of \$145,646 and \$101,773 as of December 31, 2022 and 2021, respectively, were available to offset future employer contributions or plan administrative expenses at the discretion of the Company.

**(f) Plan Termination**

Although it has not expressed any intent to do so, the Company has the right under the Plan to terminate the Plan subject to the provisions of ERISA. In the event of termination, the amounts credited to the accounts of participants will be distributed to the participants after payment of expenses for distribution and liquidation.

**(g) Participant Accounts**

Under the Plan, each participant's account is credited with the participant's contribution, the Company's matching contribution, the Company's discretionary contribution, the Company's Profit Sharing contribution and an allocation of investment income (loss), net of administrative expenses. Investment income (loss) is allocated daily to participants. The benefit to which a participant is entitled is the benefit that can be provided from the participant's vested account.

**(h) Administrative Expenses**

All administrative expenses, unless paid by the Company at its discretion, are paid by the Plan.

**(i) Revenue Sharing**

The agreement between Bank of America and the Plan includes a revenue sharing arrangement whereby Bank of America receives investment related revenue generated by Plan assets invested in mutual fund holdings sponsored by an affiliate of Bank of America. These deposits are included in dividend and other income in the statements of changes in net assets available for benefits. The funds can be used to pay plan expenses or be allocated to participants. Income from revenue sharing was \$250,354 and \$246,114 for the years ended December 31, 2022 and 2021, respectively.

**(2) Summary of Significant Accounting Policies**

**(a) Basis of Presentation**

The accompanying financial statements have been prepared on the modified cash basis, which is a comprehensive basis of accounting other than U.S. generally accepted accounting principles ("GAAP"), and is an acceptable method of reporting under Department of Labor regulations. The modified cash basis of accounting utilizes the cash basis of accounting while carrying investments at fair value and recording investment income (loss) on the accrual basis. Consequently, contributions are recognized when received rather than when earned, and expenses are recognized when paid rather than when the obligation is incurred. As of December 31, 2022, all employee contributions had been remitted to the trust and \$124,106 of employer contributions were not remitted to the trust for the 2022 Plan year. As of December 31, 2021, all employee contributions had been remitted to the trust and \$129,367 of employer contributions were not remitted to the trust for the 2021 Plan year. There were no material excess deferrals as of December 31, 2022 or 2021. Under GAAP, these amounts would have been reflected as accounts receivable and accounts payable, respectively.

Certain other receivables and liabilities are recorded in the statements of net assets available for benefits to reflect the accrued income, pending settlements and other transactions.

**(b) Use of Estimates**

The preparation of financial statements requires Plan management to make estimates and assumptions that affect the reported amounts of assets, liabilities, and disclosure of contingent assets and liabilities, and changes therein. Actual results could differ from those estimates.

**(c) Investment Valuation and Income Recognition**

Investments are reported at fair value. Purchases and sales of investments are recorded on a trade date basis. Net appreciation (depreciation) in fair value of investments includes realized gains and losses on investments sold during the year as well as net appreciation (depreciation) of the investments held at the end of the year. Interest and dividend income is accrued in the period earned.

The Plan invests in investment contracts through The Invesco Stable Value Retirement Fund which is a common trust fund that primarily invests in guaranteed investment contracts (“GICs”) and synthetic GICs and is presented at fair value as of December 31, 2022 and 2021.

**(d) Notes Receivable from Participants**

Notes receivable from participants represent loans that are recorded at their unpaid principal balance plus any accrued but unpaid interest.

**(e) Benefit Payments**

Payments to participants are recorded as the benefits are paid.

**(3) Investments and Investment Options**

Each participant has the right to direct his or her contributions and the Company’s matching contributions, once remitted, among the investment funds offered by the Plan. Descriptions of the Plan’s investment fund options are included in the summary plan description provided to all eligible employees.

Participants may direct their investment contributions to the following investment funds: Invesco Stable Value Retirement Fund CL1, Blackrock Russell 2000 Fund, Northern Trust Collective Aggregate Bond Index Fund, Northern Trust Collective All Country World ex-US Index Fund TR2, Northern Trust Collective S&P 500 Index Fund L1, American Beacon Small Cap Value Fund, American Bond Fund of America Class R-6, Blackrock Global Allocation Fund, ClearBridge Small Cap Growth Fund, Delaware Value Fund, Harbor International Fund, Active Multi-Manager Emerging Markets Equity Fund, Principal Investors Global Real Estate Securities Fund (Class I Shares), Prudential Jennison Large Cap Growth Fund, T. Rowe Price Retirement 2010 Fund, T. Rowe Price Retirement 2015 Fund, T. Rowe Price Retirement 2020 Fund, T. Rowe Price Retirement 2025 Fund, T. Rowe Price Retirement 2030 Fund, T. Rowe Price Retirement 2035 Fund, T. Rowe Price Retirement 2040 Fund, T. Rowe Price Retirement 2045 Fund, T. Rowe Price Retirement 2050 Fund, T. Rowe Price Retirement 2055 Fund, T. Rowe Price Retirement 2060 Fund, T. Rowe Price Retirement 2065 Fund and Company common stock.

**Stable Value Trust**

The Plan invests in the Invesco Stable Value Trust (“Stable Value Trust”) which is a collective trust that has entered into benefit-responsive guaranteed investment contracts and wrapper contracts with various financial institutions. The financial institutions maintain the contributions in investment contracts. The contracts are credited with earnings on the underlying investments and charged for participant withdrawals and administrative expenses.

The guaranteed investment contracts held by the Stable Value Trust are fully benefit-responsive, therefore contract value is the relevant measurement attribute for that portion of the investment. Contract value, as reported to the Plan by the manager of the Stable Value Trust, represents contributions made under the contract, plus earnings, less participant withdrawals and administrative expenses. Participants may ordinarily direct the withdrawal or transfer of all or a portion of their investment at contract value. Therefore, contract value of the guaranteed investment contracts held by the Stable Value Trust is considered fair value.

There are no reserves against contract value for credit risk of the contract issuers or otherwise. The crediting interest rate is based on a formula agreed upon with the issuers.

Certain events limit the ability of the Plan to transact at contract value with the wrap issuer. However, the Plan’s management is not aware of the occurrence or likely occurrence of any such events, which would limit the Plan’s ability to transact at contract value with participants. The issuer may terminate a wrap contract for cause at any time.

**(4) Voting Rights**

Each shareholder is entitled to exercise voting rights attributable to the shares of Company common stock allocated to his or her account and is notified by the trustee prior to the time that such rights are to be exercised. The trustee is instructed by the Plan to vote all non-voted participant shares according to Board of Director recommendations. During 2022 and 2021, the Plan purchased all shares of Company common stock in the open market.

**(5) Risk and Uncertainties**

The Plan may invest in common trust funds, mutual funds and Company common stock. Investment securities are exposed to various risks, such as interest rate, market, and credit risks. Market risks include global events, which could impact the value of investment securities, such as a pandemic or international conflict. Market values of investments may decline for a number of reasons, including changes in prevailing market and interest rates, increases in defaults and credit rating downgrades. Due to the level of risk associated with certain investment securities, it is probable that changes in the value of investment securities will occur in the near term.

The Plan may invest in securities with contractual cash flows, such as asset backed securities, collateralized mortgage obligations and commercial mortgage backed securities, including securities backed by subprime mortgage loans. The value, liquidity and related income of those securities are sensitive to changes in economic conditions, including real estate value, delinquencies or defaults, or both, and may be adversely affected by shifts in the market's perception of the issuers and changes in interest rates.

**(6) Related Party Transactions**

One of the Plan investment options includes shares of Company common stock managed by Bank of America. The Company is the plan sponsor and Bank of America is the trustee as defined by the Plan. Therefore, these transactions qualify as party-in-interest transactions. These transactions are covered by an exemption from the "prohibited transaction" provisions of ERISA and the Code.

The Plan has participant loans outstanding, which are secured solely by a portion of the participant's vested account balance, in accordance with the Plan documents.

**(7) Federal Income Tax Status**

The IRS has determined and informed the Company by a letter dated August 25, 2017, that the Plan and related trust are designed in accordance with applicable sections of the Internal Revenue Code ("IRC"). Although the Plan has been amended since receiving the determination letter, Plan management believes that the Plan is designed, and is currently being operated, in compliance with the applicable requirements of the IRC and, therefore, believes that the Plan is qualified, and the related trust is tax-exempt.

The Plan is currently open to audit under the statute of limitations by the IRS for the 2019 through 2021 tax years. The Plan has not recognized any assets or liabilities related to uncertain tax positions as of December 31, 2022 and 2021.

**(8) Fair Value Measurements**

The accounting guidance for using fair value to measure certain assets and liabilities establishes a three-tier value hierarchy, which prioritizes the inputs to valuation techniques used in measuring fair value. These tiers include: Level 1, defined as observable inputs such as quoted in active markets for identical assets or liabilities; Level 2, defined as inputs other than quoted prices in active markets that are either directly or indirectly observable; and Level 3, defined as unobservable inputs in which little, if any, market data exists, therefore requiring an entity to develop its own assumptions about the assumptions that market participants would use in pricing the asset or liability.

The following is a description of the valuation methodologies used for Plan's financial instruments and the classification of such instruments within the valuation hierarchy.

***Mutual Funds***

These instruments are public investment vehicles valued using the net asset value provided by the administrator of the fund. The net asset value price is quoted on an active market and is classified within Level 1 of the valuation hierarchy.

***Company Common Stock***

Company common stock is valued at the closing price listed by the New York Stock Exchange and is classified within Level 1 of the valuation hierarchy.

***Common Trust Funds***

These instruments are investment vehicles valued using the net asset value provided by the administrator of the fund. The net asset value is used as a practical expedient to determine fair value. Each collective trust provides for redemptions by the Plan at reported net asset values per share, with little to no advance notice requirement.

The methods described above may produce a fair value calculation that may not be indicative of net asset value or reflective of future fair values. Furthermore, while the Plan's valuation methods are appropriate and consistent with other market participants, the use of different methodologies or assumptions to determine the fair value of certain financial instruments could result in a different estimate of fair value at the reporting date.

The following tables summarize the Plan's investment assets measured at fair value on a recurring basis at December 31, 2022 and 2021:

	<b>December 31, 2022</b>	
	<b>Level 1</b>	<b>Total Fair Value</b>
Mutual funds	\$ 314,786,179	\$ 314,786,179
Company common stock	43,776,333	43,776,333
Total assets in the fair value hierarchy	<u>\$ 358,562,512</u>	<u>358,562,512</u>
Common trust funds		305,006,436
Investments at fair value		<u>\$ 663,568,948</u>

	<b>December 31, 2021</b>	
	<b>Level 1</b>	<b>Total Fair Value</b>
Mutual funds	\$ 336,170,847	\$ 336,170,847
Company common stock	33,543,883	33,543,883
Total assets in the fair value hierarchy	<u>\$ 369,714,730</u>	<u>369,714,730</u>
Common trust funds		309,216,091
Investments at fair value		<u>\$ 678,930,821</u>

**KIRBY 401(k) PLAN**  
 EIN 74-1884980, Plan #004  
 Schedule H, Part IV, Line 4i – Schedule of Assets (Held at End of Year)  
 (Modified Cash Basis)  
 December 31, 2022

Identity of issue, borrower, lessor, or similar party	Description of asset	Current value
<b>Common trust funds:</b>		
Invesco	Invesco Stable Value Retirement Fund CL1	\$ 104,332,216
Blackrock	Blackrock Russell 2000 Fund	16,127,162
Northern Trust	Northern Trust Aggregate Bond Index Fund	37,193,847
Northern Trust	Northern Trust All Country World ex-US Index Fund TR2	45,758,144
Northern Trust	Northern Trust Collective S&P 500 Index Fund L1	101,595,067
Total common trust funds		305,006,436
<b>Mutual Funds:</b>		
American Beacon	American Beacon Small Cap Value Fund	37,711,367
American Funds	American Bond Fund of America Class R-6	17,795,896
Blackrock	Blackrock Global Allocation Fund	23,476,256
Clearbridge	ClearBridge Small Cap Growth Fund	22,253,786
Delaware	Delaware Value Fund	52,908,298
Harbor	Harbor International Fund	23,219,508
Northern Trust	Active Multi-Manager Emerging Markets Equity Fund	3,371,254
Principal Investors	Principal Investors Global Real Estate Securities Fund (Class I Shares)	8,591,411
Prudential Jennison	Prudential Jennison Large Cap Growth Fund	50,760,203
T. Rowe Price	T. Rowe Price Retirement 2010 Fund	1,375,386
T. Rowe Price	T. Rowe Price Retirement 2015 Fund	2,948,223
T. Rowe Price	T. Rowe Price Retirement 2020 Fund	18,248,345
T. Rowe Price	T. Rowe Price Retirement 2025 Fund	10,853,226
T. Rowe Price	T. Rowe Price Retirement 2030 Fund	15,869,171
T. Rowe Price	T. Rowe Price Retirement 2035 Fund	6,724,920
T. Rowe Price	T. Rowe Price Retirement 2040 Fund	11,464,570
T. Rowe Price	T. Rowe Price Retirement 2045 Fund	3,182,412
T. Rowe Price	T. Rowe Price Retirement 2050 Fund	2,335,605
T. Rowe Price	T. Rowe Price Retirement 2055 Fund	1,240,871
T. Rowe Price	T. Rowe Price Retirement 2060 Fund	342,128
T. Rowe Price	T. Rowe Price Retirement 2065 Fund	113,343
Total mutual funds		314,786,179
<b>Common stock:</b>		
*Kirby Corporation	Common stock	43,776,333
<b>*Participant loans</b>	Interest rates ranging from 4.0% to 8.0% and maturity dates from January 3, 2023 to March 15, 2039	24,896,631
Total assets (held at end of year)		\$ 688,465,579

\* Parties in interest to the Plan  
 See accompanying report of independent registered public accounting firm.

**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the Plan Administrator, which administers the Plan, has duly caused this annual report to be signed on its behalf by the undersigned hereunto duly authorized.

June 26, 2023

Kirby 401(k) Plan

BY: /s/ Raj Kumar  
Raj Kumar  
Chairman of Kirby Corporation Administrative Committee

**EXHIBIT INDEX**

The following document is filed as part of this report.

<b>Exhibit number</b>	<b>Description</b>
23.1	<a href="#">Consent of Independent Registered Public Accounting Firm</a>



**CONSENT OF INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM**

We consent to the incorporation by reference in Registration Statement No. 333-129333 and 33-57625 on Form S-8 of our report dated June 26, 2023 appearing in this Annual Report on Form 11-K of the Kirby 401(k) Plan for the year ended December 31, 2022.

/s/ WEAVER AND TIDWELL, L.L.P.

WEAVER AND TIDWELL, L.L.P.

Houston, Texas  
June 26, 2023

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