



Company Information

| | |
|---|------|
| Trading Symbol (Common Stock) | ECC |
| Trading Symbol (Series A Preferred Stock) | ECCA |
| Trading Symbol (Series B Preferred Stock) | ECCB |
| Trading Symbol (Series 2020 Notes) | ECCZ |
| Trading Symbol (Series 2027 Notes) | ECCY |
| Exchange | NYSE |

Summary of Underlying Portfolio Characteristics²

| | |
|--|-----------|
| Number of Unique Underlying Obligors | 1,302 |
| Largest Exposure to an Individual Obligor | 0.99% |
| Average Individual Obligor Exposure | 0.08% |
| Top 10 Obligors Exposure | 6.31% |
| Currency: USD Exposure | 99.8% |
| Aggregate Indirect Exposure to Senior Secured Loans ³ | 97.63% |
| Weighted Average Junior OC Cushion | 4.15% |
| Weighted Average Market Value of Collateral | 98.99% |
| Weighted Average Stated Spread | 3.59% |
| Weighted Average Rating ⁵ | B+/B |
| Weighted Average Maturity | 5.2 years |

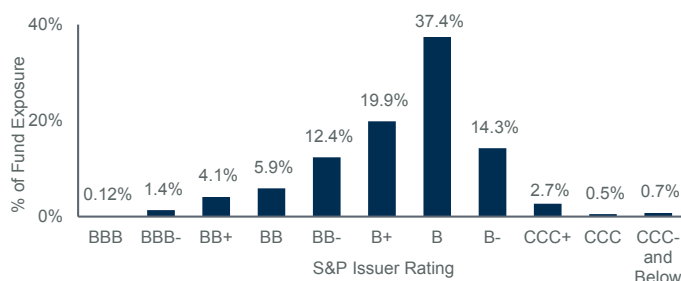
Top 10 Underlying Obligors²

| Obligor | % Total |
|--|-------------|
| Dell Inc | 1.0% |
| Asurion | 0.7% |
| Altice | 0.7% |
| CenturyLink | 0.6% |
| TransDigm | 0.6% |
| First Data Corp | 0.6% |
| Numericable | 0.6% |
| American Airlines Inc | 0.6% |
| WME/IMG Woldwide | 0.5% |
| Avolon TLB Borrower 1 Luxembourg Sa rl | 0.5% |
| Total | 6.3% |

Diversification by Geography of Underlying Obligors²

| Country | % Total |
|----------------|---------------|
| United States | 94.0% |
| Canada | 1.7% |
| Luxembourg | 1.4% |
| Netherlands | 0.9% |
| United Kingdom | 0.7% |
| Germany | 0.5% |
| France | 0.3% |
| Australia | 0.3% |
| Norway | 0.1% |
| Other | 0.2% |
| Total | 100.0% |

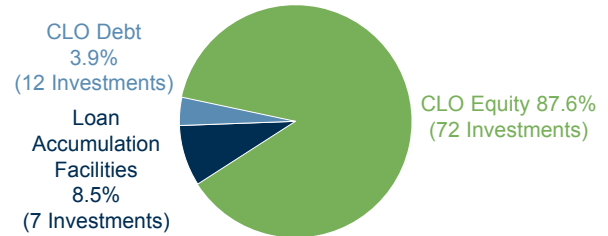
Rating Distribution of Underlying Obligors^{2,5}



NAV (unaudited and estimated) as of 4/30/18

| | U.S. Dollars (Millions) | Per Share of Common Stock |
|-------------------------------------|----------------------------|------------------------------|
| Net Asset Value (est.) ¹ | \$357.7 | \$16.71 – 16.81 |

Summary of the Portfolio of Investments (April 30, 2018)¹



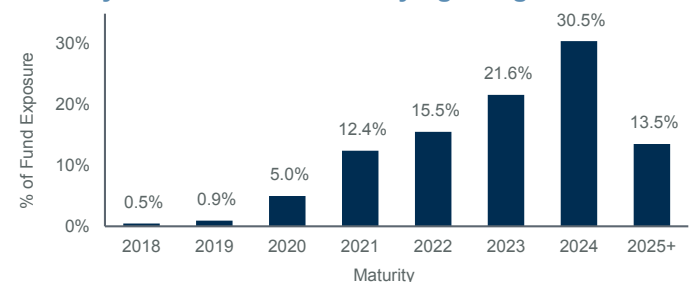
Top 10 Industries of Underlying Obligors^{2,6,7}

| Industry | % Total |
|-------------------------------|--------------|
| Health care | 7.2% |
| Technology | 6.3% |
| Telecommunications | 5.7% |
| Business equipment & services | 5.3% |
| Electronics/electrical | 5.2% |
| Radio & Television | 4.9% |
| Lodging & casinos | 4.8% |
| Financial intermediaries | 4.8% |
| Utilities | 3.6% |
| Building & Development | 3.2% |
| Total | 51.2% |

Diversification by Credit Type of Underlying Obligors²

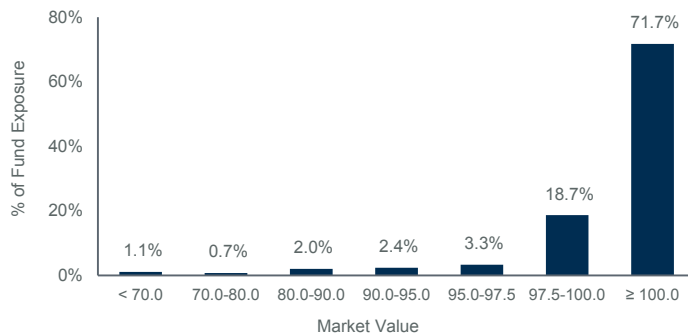
| Credit Type | % Total |
|-----------------------|---------------|
| First Lien | 97.6% |
| Second Lien | 2.1% |
| Unsecured Loan | 0.2% |
| Senior Unsecured Bond | 0.0% |
| Total | 100.0% |

Maturity Distribution of Underlying Obligors²

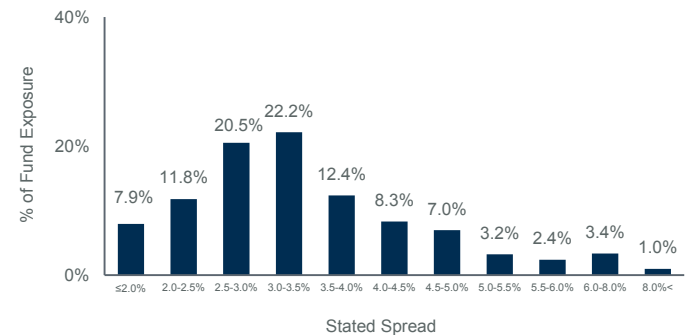




Price Distribution of Underlying Obligors²



Stated Spread Distribution of Underlying Obligors²



Notes

- The Company determines its net asset value on a quarterly basis. The net asset value and net asset value per share shown herein (A) are unaudited and estimated by management, (B) are shown for informational purposes only, and (C) are as of the date noted above. Estimates with respect to a calendar quarter end are subject to revision when the Company determines its quarterly net asset value. The net asset value of the Company is calculated as the sum of the value of the Company's portfolio, any cash or cash equivalents held by the Company and the Company's other assets less the Company's liabilities. Net asset value per share is determined by dividing the net asset value of the Company by the number of shares of the Company's common stock outstanding as of the date shown above. The summary of portfolio investments shown is based on the estimated fair value of the underlying positions.
- The information presented herein is on a look-through basis to the collateralized loan obligation, or "CLO", equity and related investments (i.e., loan accumulation facilities) held by the Company as of April 30, 2018 (except as otherwise noted) and reflects the aggregate underlying exposure of the Company based on the portfolios of those investments. The data is estimated and unaudited and is derived from CLO trustee reports received by the Company relating to April 2018 and from custody statements and/or other information received from CLO collateral managers and other third party sources. Information relating to the market price of underlying collateral is as of month end; however, with respect to other information shown, depending on when such information was received, the data may reflect a lag in the information reported. As such, while this information was obtained from third party data sources, April 2018 trustee reports and similar reports, other than market price, it does not reflect actual underlying portfolio characteristics as of April 30, 2018 and this data may not be representative of current or future holdings.
- We obtain exposure in underlying senior secured loans indirectly through our investments in CLOs.
- "LIBOR" refers to the London Interbank Offered Rate.
- Credit ratings shown are based on those assigned by Standard & Poor's Rating Group, or "S&P," or, for comparison and informational purposes, if S&P does not assign a rating to a particular obligor, the weighted average rating shown reflects the S&P equivalent rating of a rating agency that rated the obligor provided that such other rating is available with respect to a CLO equity or related investment held by us. In the event multiple ratings are available, the lowest S&P rating, or if there is no S&P rating, the lowest equivalent rating, is used. The ratings of specific borrowings by an obligor may differ from the rating assigned to the obligor and may differ among rating agencies. For certain obligors, no rating is available in the reports received by the Company. Such obligors are not shown in the graphs and, accordingly, the sum of the percentages in the graphs may not equal 100%. Ratings below BBB- are below investment grade. Further information regarding S&P's rating methodology and definitions may be found on its website (www.standardandpoors.com). This data includes underlying portfolio characteristics of the Company's CLO equity and loan accumulation facility portfolio.
- Industry categories are based on the S&P industry categorization of each obligor as reported in CLO trustee reports to the extent so reported. Certain CLO trustee reports do not report the industry category of all of the underlying obligors and where such information is not reported, it is not included in the summary look-through industry information shown. As such, the Fund's exposure to a particular industry may be higher than that shown if industry categories were available for all underlying obligors. In addition, certain underlying obligors may be re-classified from time to time based on developments in their respective businesses and/or market practices. Accordingly, certain underlying borrowers that are currently, or were previously, summarized as a single borrower in a particular industry may in current or future periods be reflected as multiple borrowers or in a different industry, as applicable.
- Certain CLO trustee reports do not provide the industry classification for certain underlying obligors. These obligors are not summarized in the look-through industry data shown; if they were reflected, they would represent 4.68%.

Important Information

This report and the information and views included herein do not constitute investment advice, or a recommendation or an offer to enter into any transaction with Eagle Point Credit Company Inc. (the "Company") or any of its affiliates. This report is provided for informational purposes only, does not constitute an offer to sell securities of the Company or a solicitation of an offer to purchase any such securities, and is not a prospectus.

Investors should consider their investment goals, time horizons and risk tolerance before investing in the Company. Investors should consider the Company's investment objectives, risks, charges and expenses carefully before investing in securities of the Company. There is no guarantee that any of the goals, targets or objectives described in this report will be achieved. An investment in the Company is not appropriate for all investors. The investment program of the Company is speculative and entails substantial risk, including the possible loss of principal. An investment in the Company is not intended to be a complete investment program. Shares of closed-end investment companies, such as the Company, frequently trade at a discount from their net asset value, which may increase investors' risk of loss. **Past performance is not indicative of, or a guarantee of, future performance.** The performance and certain other portfolio information quoted herein represents information as of dates noted above. Nothing herein shall be relied upon as a representation as to the future performance or portfolio holdings of the Company. Investment return and principal value of an investment will fluctuate, and shares, when sold, may be worth more or less than their original cost. The Company's performance is subject to change since the end of the period noted in this report and may be lower or higher than the performance data shown herein. The Company's filings with the Securities and Exchange Commission ("SEC") contain information about the Company's investment objectives, risks, charges and expenses as well as other information about the Company. These filings should be read carefully before investing. The Company's filings with the SEC may be found on the SEC's website (www.sec.gov) or at www.eaglepointcreditcompany.com.

The information presented herein is as of the dates noted herein and is derived from financial and other information of the Company, and, in certain cases, from third party sources and reports (including reports of third party custodians, CLO managers, trustees, and third party data providers) that have not been independently verified by the Company. As noted herein, certain of this information is estimated and unaudited, and therefore subject to change. We do not represent that such information is accurate or complete, and it should not be relied upon as such. This report does not purport to be complete and no obligation to update or revise any information herein is being assumed.

ABOUT EAGLE POINT CREDIT COMPANY

The Company is a publicly-traded, non-diversified, closed-end management investment company. The Company's investment objectives are to generate high current income and capital appreciation primarily through investment in equity and junior debt tranches of CLOs. The Company is externally managed and advised by Eagle Point Credit Management LLC. The principals of Eagle Point Credit Management LLC are Thomas P. Majewski, Daniel W. Ko and Daniel M. Spinner. The Company makes a monthly estimate of NAV and certain additional financial information available to investors via our website (www.eaglepointcreditcompany.com). This information includes (1) an estimated range of the Company's NII and realized capital gains or losses per share of common stock for each calendar quarter end, generally made available within the first fifteen days after the applicable calendar month end, (2) an estimated range of the Company's NAV per share of common stock for the prior month end and certain additional portfolio-level information, generally made available within the first fifteen days after the applicable calendar month end, and (3) during the latter part of each month, an updated estimate of NAV, if applicable, and, with respect to each calendar quarter end, an updated estimate of the Company's NII and realized capital gains or losses for the applicable quarter, if available.