creditrisk monitor[®]

HIGH RISK REPORT CONSOL ENERGY INC.

08/16/2020



CreditRiskMonitor's assessment of CONSOL Energy Inc.'s ("CONSOL Energy") "high risk" status has been determined by a combination of factors:

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MONTHLY AVERAGE FRISK® SCORE

CreditRiskMonitor's proprietary FRISK® score signals that CONSOL Energy Inc. (NYSE: CEIX) has a 4 to 10 times greater risk of bankruptcy than the average public company.

Share price continues to tumble, marking a decline of 32% over the prior quarter and 62% over the trailing twelve months.

Moody's downgraded ratings based on expectations for deterioration in earnings and cash flow generation in 2020. The rating outlook is negative.

A net loss is reported as revenues from coal continue to decline as a result of the pandemic. Cash on hand plummets and the working capital deficit expands.

		_	2019)			\		20	20			
Business Name	Α	S	0	N	D	J	F	М	A	М	J	J	Α
CONSOL Energy Inc.	1	1	1	1	2	1	1	1	1	1	1	1	2

The company announces Chief Financial Officer David Khani resigned, which was effective Dec. 31. Share price is down 53% over the TTM. CONSOL Energy begins to idle mines starting with Enlow Fork which is followed by the idling of Bailey Mine due to decreased coal demand.

The FRISK® score is
96% accurate* in
predicting the risk of
corporate
failure/bankruptcy over a
12-month horizon.
All FRISK® scores are
recalculated every night
for each subsequent
12-month period.

FRISK® SCORE: PROBABILITY OF BANKRUPTCY WITHIN 12 MONTHS

FRISK®	FROM	TO
10	0.00%	0.12%
9	0.12%	0.27%
8	0.27%	0.34%
7	0.34%	0.55%
6	0.55%	0.87%
5	0.87%	1.40%
4	1.40%	2.10%
3	2.10%	4.00%
2	4.00%	9.99%
1	9.99%	50.00%

While the risk of bankruptcy varies at each FRISK® score, 96% of public companies that eventually go bankrupt enter the FRISK® "red zone" prior to filing. A FRISK® score of 5 or less is an important warning sign.

^{*} FRISK® score accuracy of 96% is based on backtesting of U.S. public companies; results may vary by country.

THE FRISK® SCORE COMPONENTS

At the core of the CreditRiskMonitor® process is our 96% accurate FRISK® score, which indicates a company's level of financial stress on a scale of 1 to 10, based on the probability of bankruptcy over a 12-month horizon. When available, the FRISK® score incorporates a number of powerful risk indicators including:

A "Merton" type model using stock market capitalization and volatility Financial ratios, including those used in the Altman Z"-Score Model

Bond agency ratings from Moody's, Fitch, & DBRS Morningstar

Crowdsourced CreditRiskMonitor® Usage Data

<u>Crowdsourcing</u> has enhanced the accuracy and timeliness of the FRISK® score. We collect and analyze data patterns from thousands of CreditRiskMonitor® subscribers, including professionals from more than 35% of the Fortune 1000 and other large corporations worldwide.

The crowdsourcing advantage is even more powerful in our FRISK® score since many of the professionals who use our service are credit managers:

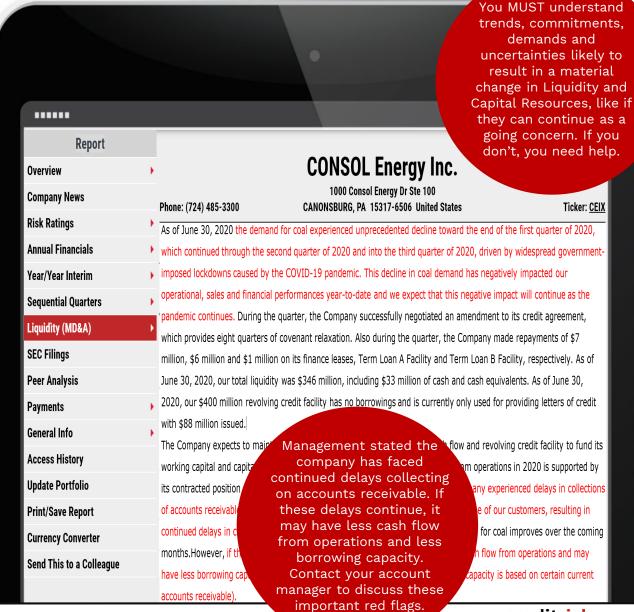
- Credit managers control one of the largest sources of working capital going into a company
- They are not held to the same "Fair Disclosure" restrictions that prevent non-disclosed information sharing on public companies
- Credit managers use a variety of non-public information sources such as their own company's management and sales representatives to be alerted to concerns in a public company's performance
- It is commonly known credit managers confidentially share information with other credit managers, thus collectively, their behavior helps to provide advanced insight to financial problems in public companies

Read more in Credit Research Foundation's quarterly journal article, "Assessing Public Company Financial Risk by Crowdsourcing the Research of Credit Professionals"

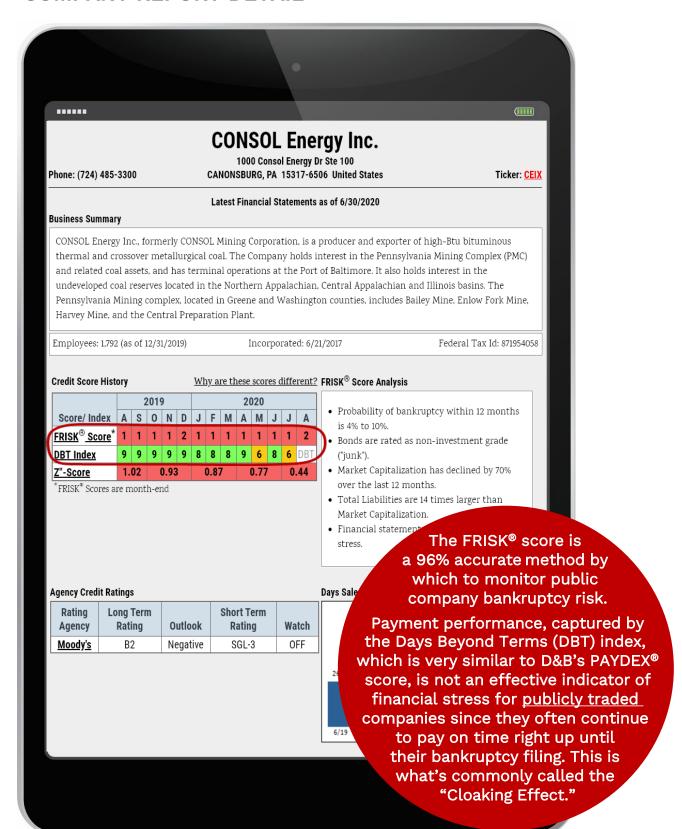
DO NOT MISS THIS - MANAGEMENT DISCUSSION AND ANALYSIS (MD&A)

Making misleading or fraudulent statements in an MD&A is <u>against the law</u> – and Sarbanes-Oxley subjects CEOs and CFOs to heavy fines or even <u>jail time</u> for doing so. A vital feature of the CreditRiskMonitor service is the ability to quickly access a Company's Management Discussion and Analysis (MD&A) history. Let it sink in: there are no two people in the world with better knowledge of a company's liquidity risk than the CEO and CFO. More than any credit manager. More than any trade group. And they're personally liable if they're lying.

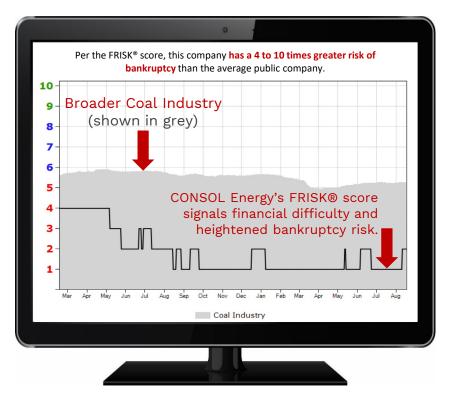
According to the Financial Accounting Standards Board (FASB), "MD&A should provide a balanced presentation that includes both positive and negative information about the topics discussed."



COMPANY REPORT DETAIL



FRISK® DEEP DIVE



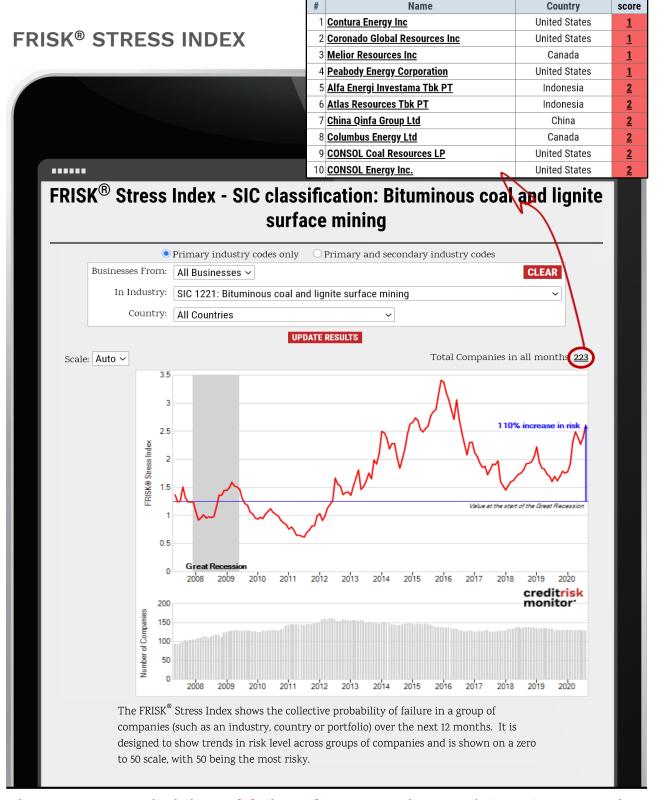
The FRISK® score relative to the broader Coal industry raises an additional red flag signaling heightened risk relative to peers, as well...

MAKING IMMEDIATE ATTENTION REQUIRED.

ADJUSTED MARKET CAP VOLATILITY



One of the inputs of the FRISK® score is a company's market cap volatility, adjusted for dividends, over the course of a year. Incorporating this information allows us to capture the "wisdom of markets" on a daily basis. This ensures our subscribers are getting the most up to date view of the risks they face since stocks tend to be more liquid and faster moving than bond prices and ratings.

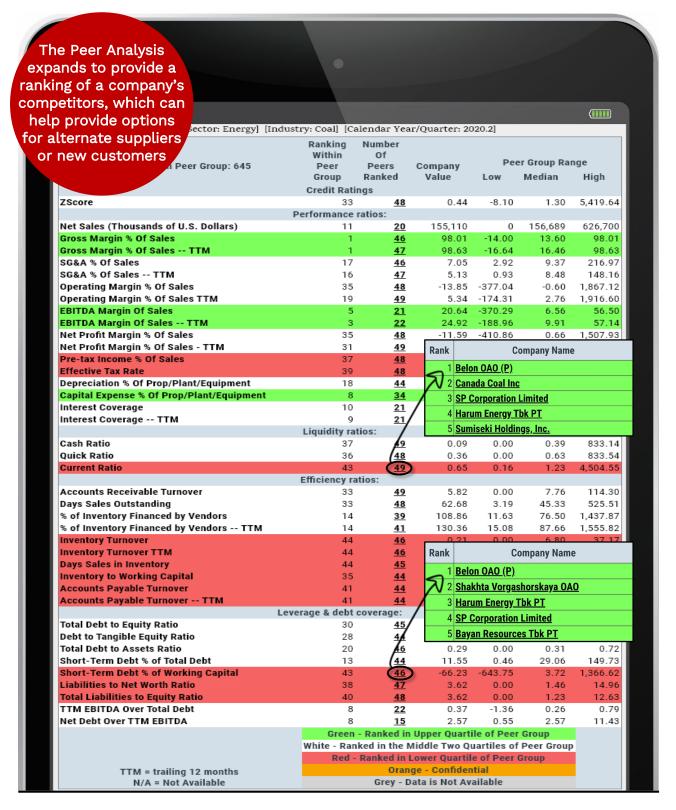


Business

The average probability of failure for SIC code 1221 (Bituminous coal and lignite surface mining) has increased 110% since 2007. CONSOL Energy is among the weakest names in the industry as evidenced by its FRISK® score of 2.

FRISK[®]

PEER ANALYSIS ON ALTERNATE SUPPLIERS AND CUSTOMERS



CONSOL Energy Inc. demonstrates bottom quartile ranking in key financial ratios (shown in red) versus its industry peers.

QUARTERLY PERFORMANCE RATIOS

Continuing trend of declining net sales over a quarterly basis

Profits turn to a loss as coal demand weakens and TTM FCF turns negative

Performance Ratios - Sequential Quarters (Thousands of U.S. Dollars)

Period Ended	3 mos 6/30/2020	3 mos 3/31/2020	3 mos 12/31/2019	3 mos 9/30/2019	3 mos 6/30/2019
Net Sales \$	\$155,110	\$291,026	\$342,087	\$331,877	\$382,619
% change	-46.70%	-14.93%	3.08%	-13.26%	3.58%
Gross Margin \$	\$152,025	\$287,879	\$336,535	\$328,278	\$378,765
% change	-47.19%	-14.46%	2.52%	-13.33%	4.42%
% of sales	98.01%	98.92%	98.38%	98.92%	98.99%
change as % of incremental sales	n/m	n/m	80.87%	n/m	121.22%
SG&A \$	\$10,939	\$17,670	\$14,210	\$14,690	\$16,288
% change	-38.09%	24.35%	-3.27%	-9.81%	-25.70%
% of sales	7.05%	6.07%	4.15%	4.43%	4.26%
change as % of incremental sales	n/m	n/m	-4.70%	n/m	-42.59%
Operating margin \$	(\$21,475)	\$19,824	\$37,860	\$23,568	\$61,378
% change	-208.33%	-47.64%	60.64%	-61.60%	66.68%
% of sales	-13.85%	6.81%	11.07%	7.10%	16.04%
change as % of incremental sales	n/m	n/m	139.98%	n/m	185.57%
EBITDA \$	\$32,009	\$74,753	\$93,721	\$78,652	\$108,462
% change	-57.18%	-20.24%	19.16%	-27.48%	23.41%
% of sales	20.64%	25.69%	27.40%	23.70%	28.35%
change as % of incremental sales	n/m	n/m	147.59%	n/m	155.50%
EBIT \$	(\$14,146)	\$19,810	\$37,869	\$24,282	\$62,311
% change	-171.41%	-47.69%	55.96%	-61.03%	67.67%
% of sales	-9.12%	6.81%	11.07%	7.32%	16.29%
change as % of incremental sales	n/m	n/m	133.08%	n/m	190.06%
Pre-tax income \$	(\$28,746)	\$4,383	\$22,183	\$9,439	\$47,022
% change	-755.85%	-80.24%	135.01%	-79.93%	141.72%
% of sales	-18.53%	1.51%	6.48%	2.84%	12.29%
change as % of incremental sales	n/m	n/m	124.82%	n/m	208.35%
Net income (loss) \$	(\$17,983)	\$2,367	\$13,946	\$4,340	\$43,280
% change	-859.74%	-83.03%	221.34%	-89.97%	199.83%
% of sales	-11.59%	0.81%	4.08%	1.31%	11.31%
change as % of incremental sales	n/m	n/m	94.08%	n/m	217.99%
Tax expense \$	(\$7,683)	\$1,908	\$4,782	\$2,415	(\$1,808)
Effective tax rate	26.73%	43.53%	21.56%	25.59%	-3.85%
Depreciation expense \$	\$46,155	\$54,943	\$55,852	\$54,370	\$46,151
% of sales	29.76%	18.88%	16.33%	16.38%	12.06%
% of capital expenses	239.53%	202.16%	145.96%	112.05%	94.60%
% of PP&E, net (annualized)	8.61%	10.17%	10.27%	9.95%	8.44%
Capital expenditures \$	\$19,269	\$27,178	\$38,264	\$48,521	\$48,783
% change	-29.10%	-28.97%	-21.14%	-0.54%	42.76%
% of PP&E, net (annualized)	3.60%	5.03%	7.04%	8.88%	8.93%
% of working capital (annualized)	-71.89%	-157.84%	-282.75%	-592.18%	-1,720.13%
Interest coverage ratio	2.17	4.77	5.78	5.04	6.76
% change	-54.42%	-17.43%	14.56%	-25.40%	43.02%
Free cash flow \$	(\$23,989)	\$24,222	(\$16,881)	\$8,861	\$34,847
% change	-199.04%	243.49%	-290.51%	-74.57%	-27.40%
Source:	10-Q	10-Q	10-K	10-Q	10-Q
	8/10/2020	5/11/2020	2/14/2020	11/5/2019	8/6/2019

QUARTERLY LEVERAGE RATIOS

A high level of debt to tangible net worth indicates creditors are not well protected. Negative short-term debt as a percentage of working capital indicates that there are more current liabilities than current assets.

Leverage Ratios - Sequential Quarters

	(Thousands of U	J.S. Dollars)	•		
Period Ended	6/30/2020	3/31/2020	12/31/2019	9/30/2019	6/30/2019
Total debt \$	\$751,094	\$765,534	\$788,002	\$816,979	\$835,305
% change	-1.89%	-2.85%	-3.55%	-2.19%	-3.08%
Stockholders' equity \$	\$555,875	\$571,090	\$572,395	\$593,447	\$610,243
% change	-2.66%	-0.23%	-3.55%	-2.75%	6.78%
Total debt to equity ratio	1.35	1.34	1.38	1.38	1.37
% change	0.80%	-2.63%	0.00%	0.58%	-9.22%
Tangible net worth \$	\$555,875	\$571,090	\$572,395	\$593,447	\$610,243
% change	-2.66%	-0.23%	-3.55%	-2.75%	6.78%
Total debt to tangible net worth	1.35	1.34	1.38	1.38	1.37
% change	0.80%	-2.63%	0.00%	0.58%	-9.22%
Total assets \$	\$2,566,132	\$2,653,468	\$2,693,802	\$2,723,235	\$2,765,471
% change	-3.29%	-1.50%	-1.08%	-1.53%	-0.06%
Total debt to assets ratio	0.29	0.29	0.29	0.30	0.30
% change	1.46%	-1.37%	-2.50%	-0.66%	-3.05%
Tangible assets \$	\$2,566,132	\$2,653,468	\$2,693,802	\$2,723,235	\$2,765,471
% change	-3.29%	-1.50%	-1.08%	-1.53%	-0.06%
Short-term debt \$	\$86,715	\$85,690	\$69,751	\$60,984	\$53,772
% change	1.20%	22.85%	14.38%	13.41%	-1.97%
Short-term debt % of total debt	11.55%	11.19%	8.85%	7.46%	6.44%
% change	3.14%	26.46%	18.58%	15.96%	1.14%
Short-term debt % of working capital	-66.23%	-102.60%	-128.61%	-112.87%	-466.73%
% change	35.45%	20.22%	-13.94%	75.82%	4.98%
Total liabilities \$	\$2,010,257	\$2,082,378	\$2,121,407	\$2,129,788	\$2,155,228
% change	-3.46%	-1.84%	-0.39%	-1.18%	-1.84%
Total liabilities to equity ratio	3.62	3.65	3.71	3.59	3.53
% change	-0.82%	-1.62%	3.27%	1.61%	-8.06%
Total liabilities to tangible net worth ratio	3.62	3.65	3.71	3.59	3.53
% change	-0.82%	-1.62%	3.27%	1.61%	-8.06%
Total debt to EBITDA ratio (annualized)	5.87	2.56	2.10	2.60	1.93
% change	129.13%	21.80%	-19.05%	34.88%	-21.46%
Source:	10		10-K	10-Q	10-Q
	An inere	aaindu bi	/14/2020	11/5/2019	8/6/2019

An increasingly high debt to EBITDA ratio is indicative that this operator is highly leveraged and may struggle to meet financial obligations

QUARTERLY LIQUIDITY RATIOS AND RATES OF RETURN

Working capital deficit greatly increases	Liquidity Rati	os - Sequei		aı	Meager ash, quick nd current ratios
Period Ended	6/30/2020	3/31/2020	12/31/2019	9/30/2019	6/30/2019
Current assets \$	\$242,980	\$310,743	\$338,029	\$357,124	\$396,353
% change	-21.81%	-8.07%	-5.35%	-9.90%	-2.41%
% of short-term debt	280.21%	362.64%	484.62%	585.60%	737.10%
Current liabilities \$	\$373,903	\$394,258	\$392,264	\$411,152	\$407,874
% change	-5.16%	0.51%	-4.59%	0.80%	-2.26%
Working capital \$	(\$130,923)	(\$83,515)	(\$54,235)	(\$54,028)	(\$11,521)
% change	-56.77%	-53.99%	-0.38%	-368.95%	-3.17%
% of sales (annualized)	-21.10%	-7.17%	-3.96%	-4.07%	-0.75%
Cash \$	\$33,027	\$78,166	\$80,293	\$133,331	\$155,672
% change	-57.75%	-2.65%	-39.78%	-14.35%	0.33%
% of short-term debt	38.09%	91.22%	115.11%	218.63%	289.50%
Cash ratio	0.09	0.20	0.20	0.32	0.38
% change	-55.47%	-3.13%	-36.88%	-15.04%	2.66%
Quick assets \$	\$133,020	\$191,264	\$211,981	\$243,124	\$266,126
% change	-30.45%	-9.77%	-12.81%	-8.64%	0.64%
% of short-term debt	153.40%	223.20%	303.91%	398.67%	494.92%
Quick ratio	0.36	0.49	0.54	0.59	0.65
% change	-26.65%	-10.23%	-8.61%	-9.38%	2.98%
Current ratio	0.65	0.79	0.86	0.87	0.97
% change	-17.56%	-8.53%	-0.79%	-10.62%	-0.14%
Source:	10-Q 8/10/2020	10-Q 5/11/2020	10-K 2/14/2020	10-Q 11/5/2019	10-Q 8/6/2019

All return					
ratios turn negative	Rate of Return	- Sequentia nds of U.S. Dollar			
Period Ended	3 mos 6/30/2020	3 mos 3/31/2020	3 mos 12/31/2019	3 mos 9/30/2019	3 mos 6/30/2019
Return on equity	-3.15%	0.41%	2.35%	0.71%	7.57%
% change	-861.52%	-82.40%	230.43%	-90.61%	189.38%
Return on net tangible equity	-3.15%	0.41%	2.35%	0.71%	7.57%
% change	-861.52%	-82.40%	230.43%	-90.61%	189.38%
Return on total assets	-0.69%	0.09%	0.51%	0.16%	1.56%
% change	-878.64%	-82.81%	225.68%	-89.90%	199.56%
Return on tangible assets	-0.69%	0.09%	0.51%	0.16%	1.56%
% change	-878.64%	-82.81%	225.68%	-89.90%	199.56%
Source:	10-Q 8/10/2020	10-Q 5/11/2020	10-K 2/14/2020	10-Q 11/5/2019	10-Q 8/6/2019

YEAR OVER YEAR STATEMENT OF CASH FLOWS

Net income rapidly declines followed by weakened cash from operating activities Statement of Cash Flows - Year-over-Year - Standardized - Year to Date (Thousands of U.S. Dollars) 6 mos 6 mos 6 mos 6 mos 6 mos Period Ended 6/30/2018 6/30/2020 6/30/2019 6/30/2017 6/30/2016 Cash Flows from Operating Activities: Net income \$69,133 \$123,667 \$98,690 (\$18,588) \$22,785 Depreciation/depletion 101,098 96,875 104,432 78,261 77,976 Deferred taxes (5,775)(15,770)2,575 (11,770)55.125 Non-cash Items 37,216 4.297 2.075 (13,166)(3,065)Changes in working capital (62,891) (16,889) (21,653)43,221 (58,089)Total cash from operating activities 46.680 165,801 278.192 95,070 104,027 Cash Flows from Investing Activities: Capital expenditures (56,199)(23,229)(46,447) (82,954) (27,206) Other investing cash flow items, total 689 1,300 1,229 16,985 4.585 Total cash from investing activities (45,758)(54,970)(6,244)(22,621) (81,654)Cash Flows from Financing Activities: Financing cash flow items (14,577)(31,407)(12,941)(91.365)(82,891) Total cash dividends paid 0 (18, 234)n/a n/a n/a Issuance/retirement of stock, net (772)(14,293)(6,152)n/a n/a Issuance/retirement of debt, net (55,371)(12,990)12.853 (32,839) (129,014) Total cash from financing activities (48,188)(174,714)(92,698)(104,355)(70,038)Net change in cash 130,524 2,411 (47,266)(90,567) (6,572)Net cash-beginning balance 80,293 264,935 153,979 13,311 6,639 Net cash-ending balance \$33,027 \$174,368 \$284,503 \$6,739 \$9,050 Source: 10-Q 10-0 10-0 PROSPECTUS/A PROSPECTUS/A 8/10/2020 8/6/2019 8/2/2018 11/2/2017 11/2/2017

ABOUT THIS REPORT/CONTACT CREDITRISKMONITOR®



CreditRiskMonitor® is a financial risk analysis and news service that helps credit, supply chain and financial professionals stay ahead of and manage risk quickly, accurately and cost effectively. More than 35% of the Fortune 1000, plus over a thousand other large corporations worldwide, rely on our financial risk coverage of over 58,000 global public companies.

CreditRiskMonitor's High Risk Reports feature companies that are exhibiting a significantly high level of financial distress, as indicated by our proprietary FRISK® score.

The ultimate goal of the High Risk Report series is two-part: provide an early warning for those doing business with an increasingly distressed company and inform of the many signals that should be examined when assessing financial risks.

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Contact us at: 845.230.3000 creditriskmonitor.com/contact-us