

Action Summary – 15 September 2023

Analyst Theodore R. O'Neill Solid quarter F4Q23 - Reiterate buy and \$8 price target

- Solid beat to estimates. The Company reported F4Q23 revenue of \$133.1MM and an adjusted EPS loss of \$0.04, beating consensus estimates of \$129.5MM in revenue and an EPS loss of \$0.07. The \$0.03 favorable variance to EPS was due to higher sales, better margins and lower expenses. On an "as-reported" basis, the company reported an EPS loss of \$0.19. This included \$0.10 of tax adjusted goodwill impairment and without that impairment, the results were still better than our forecast by \$0.04. These results were achieved despite rising interest rates and inflation environment, and greater load shedding.
- Company issued guidance for F1Q24 and FY24. The company reports its results in USD but manages its business in local currency. For 1Q24, it is guiding for revenue between ZAR 2.50B to ZAR 2.55B and Group adjusted EBITDA between ZAR 160MM and ZAR 165MM. For FY24, it is guiding to revenue between ZAR 10.7B to ZAR 11.7B and Group adjusted EBITDA between ZAR 680MM and ZAR 740MM.
- Interest costs expected to fall as net debt to EBITDA declines.
- Attractive Valuation. Based on our discounted future earnings model, the value of all future earnings is \$8/share. The shares are trading at a 24% - 85% discount to peers. LSAK stock not only sells at a discount to peer averages, but it also trades near the bottom of all metrics despite having a 2024E EBITDA growth rate three times its peer's average. This broadly confirms our view that, along with our discounted earnings model, the shares are undervalued.

9/14 Closing price: \$3.94 USD		Market cap: \$243 millio	n Multipl	e of book: 1.4x	EV/2024 Sales: 0.75			
	uted shares g: 64 million	Insider ownership: 33%		g. daily trading plume: >65,000	Dividend 2023 /Yield: NA/NA			
Adjusted EPS	(EPS in US	D – Revenue in USD	millions)	Cash balance (in USD millions)				
Period 1Q22A 2Q22A 3Q22A	EPS (\$0.22) (\$0.13) (\$0.05)	Revenue \$34.5 \$31.1 \$35.2	Net Income Margin	 2021A 2022A 2023A 2024E 	 \$223.8 \$104.8 \$58.6 \$52.8 			
4Q22A FY22A	<u>(\$0.09)</u> (<u>\$0.49)</u>	<u>\$121.8</u> <u>\$222.6</u>	<u>(19.7%)</u>	LT Borrowings	s (in USD millions)			
1Q23A 2Q23A 3Q23A 4Q23A FY23A	(\$0.08) (\$0.01) (\$0.02) <u>(\$0.04)</u> <u>(\$0.15)</u>	\$124.8 \$136.1 \$134.0 <u>\$133.1</u> <u>\$528.0</u>	<u>(6.6%)</u>	• 2021A • 2022A • 2023A • 2024E	 \$0.0 \$134.8 \$129.5 \$125.0 			
1Q24E 2Q24E 3Q24E 4Q24E	(\$0.04) (\$0.03) (\$0.02) (\$0.02)	\$142.0 \$144.0 \$146.0 \$147.0		Adjusted EBIT source: FactSet.	DA (in USD millions)			
FY24E Note: Numbers ma our full model at th	(\$0.11) ay not add due 1	\$579.0 to rounding or change in sha	<u>(3.3%)</u> re count. See	• 2021A • 2022A • 2023A • 2024E	 (\$42.9) (\$18.6) \$27.7 \$43.5 			

Risks/Valuation

- Risks: competitive marketplace, highly regulated business, dependence on financial partners and, currency
 risk
- Our \$8 price target is derived from our discounted future earnings model.

Company description: Lesaka Technologies is a South African fintech company that utilizes its proprietary banking and payment technologies to deliver superior financial services solutions to merchants (B2B) and consumers (B2C) in Southern Africa. The company's mission is to drive true financial inclusion for both merchant and consumer markets by offering affordable financial services to previously underserved sectors of the economy.

© 2023 Litchfield Hills Research LLC, 79 Belgo Road, Lakeville, CT 06039, <u>www.HillsResearch.com</u> | theodore@HillsResearch.com 860-435-0150 * Important disclosures are located at the back of this report







Source: FactSet

Quarterly Results

As shown in Figure 2 (below), the Company reported F4Q23 revenue of \$133.1MM and an adjusted EPS loss of \$0.04, beating consensus estimates of \$129.5MM in revenue and an EPS loss of \$0.07. The \$0.03 favorable variance to EPS was due to higher sales, better margins and lower expenses. On an "as-reported" basis, the company reported an EPS loss of \$0.19. This included \$0.10 of tax adjusted goodwill impairment and without that impairment, the results were still better than our forecast by \$0.04. The Company recognized an impairment loss of \$7.0 million because of its annual impairment analysis related to goodwill allocated to its hardware/software support business within its Merchant operating segment. The impairment loss resulted from a reassessment of the business' growth prospects given the change in customer demand as a result of the introduction of cheaper hardware devices that incorporate software widely adopted by its customer's customer-base, coupled with a challenging economic environment in South Africa



Figure 2 – Lesaka Technologies, Inc. – Quarterly Variance Analysis (\$000)

Income Statement	FY23 <u>Q4E</u>	FY23 <u>Q4A</u>	Better (Worse) than estimates
Consumer	15,000	16,487	1,487
Merchant	117,000	115,193	(1,807)
Other	000,117	1,469	1,469
Corp./eliminations	0	1,403	0
Total Revenue	\$132,000	\$133,149	1,149
Total cost of products sold	104,280	102,893	1,387
Total Gross Profit	27,720	30,256	2,536
GP%	0	0	_,000
Operating expenses:			
SG&A	24,500	24,055	445
Depreciation and amortization	6,000	5,793	207
Transaction costs	0	0	0
Reorgination costs	<u>0</u>	<u>0</u>	0
Total Expenses	<u>30,500</u>	<u>29,848</u>	<u>652</u>
Earnings (loss) from Operations	(2,780)	408	3,188
Total Other income/(expense)	<u>(5,000)</u>	<u>(14,161)</u>	<u>(9,161)</u>
Earnings before taxes	(7,780)	(13,753)	(5,973)
Tax expense/(benefit)	389	<u>(1,844)</u>	2,233
Net income from continuing ops	(\$8,169)	(\$11,909)	(3,740)
Net income from disc. ops.			
Net income	<u>(\$8.169)</u>	<u>(\$11.909)</u>	<u>(\$3.740)</u>
EPS from disc. Ops.			
Total GAAP EPS	(\$0.13)	(\$0.19)	(\$0.06)
Adjusted EPS	(\$0.08)	(\$0.04)	\$0.04
Diluted common shares	64,000	63,805	(195)
		,	

Source: Litchfield Hills Research LLC and Company filings

Valuation and Price Target

Valuation Methodology

We believe LSAK is undervalued, and we support that belief with two valuation techniques. For the purpose of determining our price target we use a discounted future earnings model, which we then compare to its valuation relative to peers.

Discounted Future Earnings – Basis for Price Target

Our 12-month price target of \$8 is based on a discounted earnings model. For valuation purposes, we sum up all future earnings on a GAAP basis and discount them at 8%. We assume the company becomes GAAP EPS profitable in 2026 and earnings growth ramps up for another 8 years until growth eventually slows to GDP. Our valuation model is shown in Figure 3 below. Note, this model understates future new services and growth through acquisitions and probably understates the tax benefits, but offsetting that, the earnings never have a down year. The implied share price is \$7.52, which we round to \$8.00.



Figure 3 – Lesaka Technologies, Inc. – Price Target Calculation

Discounted f	\$7.52		
			Discounted
YEAR		EPS	EPS
	2024	(\$0.30)	(\$0.30)
	2025	(\$0.10)	(\$0.09)
	2026	0.00	\$0.00
	2027	0.20	\$0.16
	2028	0.30	\$0.22
Terminal Value			\$7.54

Source: Litchfield Hills Research LLC

Valuation Relative to Peers

Figure 4 is a summary of our LSAK peer comparison. The shares are trading at a 24% to 85% discount to peers. LSAK stock not only trades at a discount to peer averages, but it also trades near the bottom of all metrics despite having a 2024E EBITDA growth rate of 3x peer averages. This broadly confirms our view that, along with our discounted earnings model, the shares are undervalued.



LSAK-US/LSK-ZA - Buy \$8 PT

Figure 4 – Lesaka	a Technologies, Inc. –	Valuation of Peers
-------------------	------------------------	--------------------

		20							
						LTM			2024
					LTM	Sales /			EBITDA
FactSet		Closing	Market		Revenue	Market		2024 EV /	Growth
Ticker	Company Name	Price	Cap \$MM	EV \$MM	USD	Сар	Sales	EBITDA	Rate
SQ-US	Block, Inc. Class A	\$54.15	29,752	30,958	18,833	1.58	1.25	15.71	27%
KSPI-GB	Kaspi.kz JSC Sponsored GDR RegS	\$97.00	18,674	18,861	3,295	5.67	4.87	7.37	
377300-KR	kakaopay Corp.	\$33.12	4,441	2,881	401	11.08	5.44	89.79	NMF
STNE-US	StoneCo Ltd. Class A	\$11.58	3,256	3,698	895	3.64	1.32	2.54	6%
NETW-GB	Network International Holdings Plc	\$4.88	2,599	2,890			4.90	11.46	20%
EVTC-US	EVERTEC, Inc.	\$38.02	2,457	2,681	607	4.05	3.86	8.90	6%
PAGS-US	PagSeguro Digital Ltd. Class A	\$9.07	1,849	4,523	2,846	0.65	1.26	5.84	15%
MQ-US	Marqeta, Inc. Class A	\$6.62	3,151	2,182	807	3.90	4.18		
PAYO-US	Payoneer Global Inc.	\$6.11	2,195	1,805	709	3.10	1.82	8.91	14%
FWRY-EG	Fawry For Banking Technology And Electronic Pay		603	221	100	6.00	1.62	4.76	38%
IIIV-US	i3 Verticals, Inc. Class A	\$22.00	511	1,001	343	1.49	2.61	9.33	13%
HPS-MA	Hightech Payment Systems SA	\$620.06	459	428	120	3.81	3.60	16.84	12%
PAY-GB	PayPoint plc	\$7.07	514	421			1.80	3.92	11%
PRTH-US	Priority Technology Holdings, Inc.	\$3.56	273	1,087	680	0.40	1.24	5.83	15%
PAY-CA	Payfare, Inc.	\$4.84	231	74	120	1.93	0.37	2.53	
BLU-ZA	Blue Label Telecoms Limited	\$0.15	141	285					
CCRD-US	CoreCard Corporation	\$20.67	176	141	58	3.02	2.04		
0021-MY	GHL Systems Bhd.	\$0.17	195	173	92	2.13	1.57	9.50	13%
PAYS-US	PaySign, Inc. Class B	\$2.01	106	22	41	2.61	0.46	2.78	40%
ML-US	MoneyLion Inc Class A	\$21.03	206	305	367	0.56	0.57	<u>6.68</u>	<u>NMF</u>
	Average					<u>3.27</u>	<u>2.36</u>	<u>12.51</u>	<u>18%</u>
LSAK-US	Lesaka Technologies, Inc.	\$3.68	243	428	505	0.48	0.75	9.48	57%
	LSAK shares trading at a (discount)/premit	um to pe	ers:			-85%	-68%	-24%	-319%

Source: Litchfield Hills Research LLC and FactSet

According to Statista, assets under management (AUM) and average AUM per user in the fintech industry of South Africa are predicted to grow positively in the upcoming years. All the above factors indicate a compelling opportunity for Lesaka to showcase and implement its full-fledged portfolio of fintech services and attract additional consumers and merchants.



Figure 5 – Lesaka Technologies, Inc. – Income Statement (\$000 except per share)

June ending year	2021A		202	24	ſ	2022A		202	34		2023A		202	٨E		2024E
Surie ending year	Year	Q1A	Q2A	Q3A	Q4A	Year	Q1A	Q2A	Q3A	Q4A	Year	Q1E	Q2E	Q3E	Q4E	Year
Total revenue	\$130,786	\$34,504	\$31,114	\$35,202	\$121,789	\$222,609	\$124,786	\$136,068	\$133,968	\$133,149	\$527,971	\$142,000	\$144,000	\$146,000	\$147,000	\$579,000
Growth	162%	-2%	-4%	22%	253%	70%	262%	337%	281%	9%	137%	14%	6%	9%	10%	10%
Cost of Goods	96,248	24,207	20,580	23,008	100,522	168,317	100,528	108,824	105,299	102,893	417,544	112,180	113,760	115,340	116,130	457,410
Gross Profit	34,538	10,297	10,534	12,194	21,267	54,292	24,258	27,244	28,669	30,256	110,427	29,820	30,240	30,660	30,870	121,590
Gross Margin	26.4%	29.8%	33.9%	34.6%	17.5%	24.4%	19.4%	20.0%	21.4%	22.7%	20.9%	21.0%	21.0%	21.0%	21.0%	21.0%
SG&A	\$84,063	\$20,442	\$17,746	\$15,184	\$21,663	\$74,993	\$22,931	\$23,517	\$24,547	\$24,055	\$95,050	\$24,000	\$24,000	\$24,000	\$24,000	\$96,000
% of total revenue	64.3%	59.2%	57.0%	43.1%	17.8%	33.7%	18.4%	17.3%	18.3%	18.1%	18.0%	16.9%	16.7%	16.4%	16.3%	16.6%
Depreciation and amortization	4,347	895	726	463	5,491	7,575	5,998	5,919	5,975	5,793	23,685	6,000	6,000	6,000	6,000	24,000
Transaction costs		185	1,489	116	4,235	5,894	-	-	-	-	-	-	-	-	-	-
Reorgination costs		-	-	5,852	-	6,025	-	-	-	-	-	-	-	-	-	-
Total Operating Expenses	88,411	21,523	19,962	21,615	31,389	94,487	28,929	29,436	30,522	29,848	118,735	30,000	30,000	30,000	30,000	120,000
Operating Income	(53,873)	(11,226)	(9,428)	(9,421)	(10,122)	(40,195)	(4,671)	(2,192)	(1,853)	408	(8,308)	(180)	240	660	870	1,590
Operating Margin	-41.2%	-32.5%	-30.3%	-26.8%	-8.3%	-18.1%	-3.7%	-1.6%	-1.4%	0.3%	-1.6%	-0.1%	0.2%	0.5%	0.6%	0.3%
Total Other Items	23,375	(1,583)	(2,881)	6,564	(5,454)	(3,354)	(5,994)	(4,093)	(4,827)	(14,161)	(29,075)	(5,000)	(5,000)	(5,000)	(5,000)	(20,000)
Pre-Tax Income	(30,498)	(12,809)	(12,309)	(2,857)	(15,576)	(43,549)	(10,665)	(6,285)	(6,680)	(13,753)	(37,383)	(5,180)	(4,760)	(4,340)	(4,130)	(18,410)
Pre-Tax Margin	-23.3%	-37.1%	-39.6%	-8.1%	-12.8%	-19.6%	-8.5%	-4.6%	-5.0%	-10.3%	-7.1%	-3.6%	-3.3%	-3.0%	-2.8%	-3.2%
Taxes (benefit)	7,560	186	98	470	(427)	327	31	364	(860)	(1,844)	(2,309)	259	238	217	207	921
Tax Rate	-24.8%	-1.5%	-0.8%	-16.4%	2.7%	-0.8%	-0.3%	-5.8%	12.9%	13.4%	6.2%	-5.0%	-5.0%	-5.0%	-5.0%	-5.0%
Net income from continuing ops	(38,057)	(12,994)	(12,406)	(3,327)	(15,149)	(43,876)	(10,696)	(6,649)	(5,820)	(11,909)	(35,074)	(5,439)	(4,998)	(4,557)	(4,337)	(19,331)
Net income from disc. ops.	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
Net income	<u>(38,057)</u>	<u>(12,994)</u>	<u>(12,406)</u>	<u>(3,327)</u>	<u>(15,149)</u>	(43,876)	(10,696)	<u>(6,649)</u>	<u>(5,820)</u>	<u>(11,909)</u>	<u>(35,074)</u>	<u>(5,439)</u>	<u>(4,998)</u>	(4,557)	(4,337)	<u>(19,331)</u>
Net Margin	-29.1%	-37.7%	-39.9%	-9.5%	-12.4%	-19.7%	-8.6%	-4.9%	-4.3%	-8.9%	-6.6%	-3.8%	-3.5%	-3.1%	-3.0%	-3.3%
Adjusted EPS	(0.87)	(0.22)	(0.13)	(0.05)	(0.09)	(0.49)	(0.08)	<u>(0.01)</u>	(0.02)	(0.04)	(0.15)	(0.04)	(0.03)	(0.02)	(0.02)	<u>(0.11)</u>
Total GAAP EPS	<u>(0.67)</u>	<u>(0.23)</u>	<u>(0.22)</u>	<u>(0.06)</u>	(0.25)	<u>(0.75)</u>	<u>(0.17)</u>	<u>(0.11)</u>	<u>(0.09)</u>	<u>(0.19)</u>	<u>(0.56)</u>	<u>(0.08)</u>	<u>(0.08)</u>	(0.07)	<u>(0.07)</u>	<u>(0.30)</u>
Diluted Shares Outstanding	56,898	56,678	57,204	57,791	61,619	58,364	62,445	62,763	63,854	63,805	63,134	64,000	64,000	64,000	64,000	64,000

Source: Company reports and Litchfield Hills Research LLC



Lesaka Technologies, Inc. LSAK-US/LSK-ZA - Buy \$8 PT

Figure 6 – Lesaka	Technologies,	Inc. – Balance	Sheet (\$000)
-------------------	---------------	----------------	---------------

June ending year	FY2024E	FY2023A	FY2022A	FY2021A	FY2020A
Balance sheet					
Current Assets					
Cash and S.T.I.	\$52,845	\$58,632	\$104,800	\$223,765	\$118,506
Accounts receivable	28,000	25,665	28,898	26,583	12,975
Inventories	29,000	27,337	34,226	22,361	9,787
Other assets	<u>55,000</u>	<u>52,002</u>	<u>49,808</u>	<u>21,608</u>	<u>22,781</u>
Total Current Assets	164,845	163,636	217,732	294,317	164,049
Net PP&E	28,000	27,447	24,599	7,492	9,762
Other non-current assets	95,000	95,811	94,875	97,011	30,761
Total Assets	\$ <u>527,845</u>	\$542,234	\$ <u>656,565</u>	\$ <u>428,330</u>	\$204,572
Current Liabilities					
Accounts and other payables	\$52,000	\$48,677	\$55,074	\$34,957	\$4,952
Short term borrowings	37,000	35,709	73,022	14,245	5,223
Other current liabilities	15,000	17,526	17,774	3,288	32,818
Total current liabilities	104,000	101,912	145,870	52,490	42,993
Long-term debt net of current	125,000	129.455	134.842	0	3.700
Other non-current	57,000	51,960	61,504	14,881	2,837
Total Liabilities	286,000	283,327	342,216	67,371	49,530
Redeemable common stock	79,429	79,429	79,429	84,979	21,500
Stockholders' Equity					
Preferred stock					
Total stockholders' equity	162,416	179,478	234,920	275,980	133,542
Total Liabilities and equity	\$527,845	\$542,234	\$656,565	\$428,330	\$204,572

Source: Company reports and Litchfield Hills Research LLC



LSAK-US/LSK-ZA - Buy \$8 PT

Figure 7 –	Lesaka	Technologies,	Inc. –	Cash Flow	(\$000)
------------	--------	---------------	--------	-----------	---------

	<u>2024E</u>	<u>2023A</u>	<u>2022A</u>	<u>2021A</u>
Net Income	(\$19,331)	(\$35,074)	(\$43,876)	(\$38,057)
Accounts receivable	(2,335)	3,233	(2,315)	(13,608)
Inventories	(1,663)	6,889	(11,865)	(12,574)
Other assets	(2,998)	(2,194)	(28,200)	1,173
Net PP&E	(553)	(2,848)	(17,107)	2,270
Goodwill and intangibles	15,340	64,019	(289,849)	(29,510)
Other non-current	811	(936)	2,136	(66,250)
Accounts and other payables	3,323	(6,397)	20,117	30,005
Short term borrowings	(2,046)	(34,172)	51,973	11,206
Current portion LTD	3,337	(3,141)	6,804	(2,184)
Other current liabilities	(2,526)	(248)	14,486	(29,530)
Long-term debt net of current	(4,455)	(5,387)	134,842	(3,700)
Other non-current	5,040	(9,544)	46,623	12,044
Redeemable common stock	0	0	(5,550)	63,479
Common stock	0	0	3	80
Capital in excess of par	304	7,805	25,932	152,816
Accumulated other comp. income	726	(26,886)	(23,119)	(145,721)
Treasury stock and note	1,238	(1,287)	0	(281,223)
Dividend/Financing/Adj. Other	0	0	0	5,948
Total Cash Flow	(\$5.788)	(\$46.168)	(\$118.965)	(\$343.336)

Source: Litchfield Hills Research LLC

Disclosures:

Analyst Certification

We, the Litchfield Hills Research Department, hereby certify that the views expressed in this research report accurately reflect our personal views about the subject company and the underlying securities.

FINRA Compliant Research Report

We, the Litchfield Hills Research Department, hereby certify that this report is compliant with FINRA research rules 2241, 3110, the analyst is registered with FINRA, and the report has been reviewed by a Supervisory Analyst.

MiFID II Compliant Research Report

Our research is classified as minor non-monetary benefit under MiFID II. This applies to all forms of transmission, including email, website, and financial platforms such as Bloomberg, FactSet, S&P Global, Refinitiv and 13 others. We do not seek payment from the asset management community and do not have any execution function. Investors can continue to receive our research under the MiFID II regime without the need for a contract for services to be put in place. This applies to all forms of transmission, including email, website, and financial platforms.

Litchfield Hills Research LLC Rating System

- BUY: We expect the stock to provide a total return of 15% or more within a 12-month period.
- HOLD: We expect the stock to provide a total return of negative 15% to positive 15% within a 12-month period.
- SELL: We expect the stock to have a negative total return of more than 15% within a 12-month period.

Total return is defined as price appreciation plus dividend yield.

Other Disclosures

Litchfield Hills Research, LLC ("LHR") is not a U.S. broker-dealer registered with the U.S. Securities and Exchange Commission nor a member of Financial Industry Regulatory Authority. The principal of LHR and publisher of this report, Theodore R. O'Neill, is a registered representative of Ascendiant Capital Markets, LLC ("Ascendiant"), a registered broker-dealer and FINRA member firm. Ascendiant considers Mr. O'Neill's association with LHR to be an "outside business activity" and is disclosed as such with FINRA. This report is not directed to, or intended for distribution to or use by, any person or entity who is a citizen or resident of or located in any locality, state, country or other jurisdiction where such distribution, publication, availability or use would be contrary to law or regulation or which would subject LHR or any divisions, subsidiaries or affiliates to any registration or licensing requirement within such jurisdiction.



LSAK-US/LSK-ZA - Buy \$8 PT

All material presented in this report, unless specifically indicated otherwise, is under copyright to LHR and the subject company. None of the material, nor its content, nor any copy of it, may be altered in any way, transmitted to, copied, or distributed to any other party, without the prior express written permission of LHR or the subject company. All trademarks, service marks and logos used in this report are trademarks, service marks, registered trademarks, or service marks of LHR or its affiliates. The information, tools and material presented in this report are provided to you for information purposes only and are not to be used or considered as an offer or the solicitation of an offer to sell or to buy or subscribe for securities or other financial instruments. LHR may not have taken any steps to ensure that the securities referred to in this report are suitable for any particular investor. The investments or services contained or referred to in this report may not be suitable for you and it is recommended that you consult an independent investment advisor if you are in doubt about such investments or investment or strategy is suitable, appropriate to your individual circumstances, or otherwise constitutes a personal recommendation to you. LHR does not offer advice on the tax consequences of investment, and you are advised to contact an independent tax adviser. LHR believes the information and opinions in the Disclosure Appendix of this report are accurate and complete. Information and opinions presented in this report were obtained or derived from sources LHR believes are reliable, but LHR makes no representations as to their accuracy or completeness.

Ownership and Material Conflicts of Interest

The analyst owns no shares of the subject company. The analyst and his family have no known material conflicts of interest in authoring this report. No employees of Ascendiant Capital Markets, LLC own any material amount of LSAK stock or have any influence on the LSAK Board of Directors.

Investment Banking and Fees for Services

Litchfield Hills Research has not received compensation for advisory or investment banking services from the Company in the past 12 months. Ascendiant Capital Markets, LLC has not received compensation for advisory or investment banking services from the Company in the past 12 months. Litchfield Hills Research LLC has received compensation from the subject company for distribution and investor targeting services. Ascendiant Capital Markets, LLC has not received compensation for non-investment banking services from the Company in the past 12 months.

Market Making

Neither Litchfield Hills Research, LLC nor Ascendiant Capital Markets, LLC makes a market in the subject company's securities.

Additional information is available upon request. LHR accepts no liability for loss arising from the use of the material presented in this report, except that this exclusion of liability does not apply to the extent that liability arises under specific statutes or regulations applicable to LHR. This report is not to be relied upon in substitution for the exercise of independent judgment.