

# **BRG Quarterly GP Report**

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#### **General Market Update**

In the second quarter of 2021, average stock prices for the six publicly traded alternative investment managers (Public GPs) increased 23.9%.

Based on the most recent available financials (first quarter of 2021), the average total fee earning AUM increased 8.6%, management fees increased 5.0%, and performance fees increased 237.8% quarter over quarter following significant appreciation amid mass vaccination efforts and further recovery from the COVID-19 pandemic. We also observed an increase in median EV/management fee multiples of 2.0x and a decrease in median EV/total fee multiples of -3.3x.

Operating income margin for the Public GPs was 44.1% which represents a considerable increase from the 33.5% margin observed in the prior quarter. The increase is attributed to the rebound in unrealized performance fees observed in Q1 2021, primarily driven by continued recovery in the financial markets.

### Description of BRG Quarterly GP Report

The report includes news, performance metrics, and our proprietary view on valuation multiples for the Public GPs. We perform detailed research on each investment manager and apply a consistent methodology to determine our view on valuation metrics to create a truly comparable set.

Please refer to the next page for a description of our methodology, and please contact us if you are interested in receiving our white paper, *GP Equity Stakes: Challenges in Valuation and Transaction Structuring*.





Data above represents the BRG alternative asset manager focus group.

#### **Contents**

Company News and Report Methodology	2
Financial Performance	3
Market Multiples	4
Company Data	
The Blackstone Group	5
Apollo Global Management	5
The Carlyle Group6	6
KKR & Co	6
Ares Management	7
Sculptor Capital Management	7
Our Professionals	8

Financial metrics have been presented with a one quarter lag in order to reflect the market's information as of the specific trading day.

#### Quarterly Transaction Updates (\$MM)

Announced Date	Target	Industry	Manager Role	Implied EV	Announced Date	Target	Industry
Apollo Glo	bal Management				The Carlyle	e Group	
9/30/21	Thermal Business of Mitsubishi Chemical Corp	Machinery	Buyer	\$750	9/20/21	Array Canada Inc	Media
9/23/21	Amissima Vita S p A	Insurance	Buyer	n/a	** 9/15/21	Corporate Finance Group, Inc	Professional Services
9/21/21	TAPD, Inc	Interactive Media and Services	Seller	n/a	** 9/8/21	Spiber Inc	Biotechnology
9/7/21	The Westin Tampa Waterside	Hotels, Restaurants and Leisure	Seller	n/a	9/6/21	PT Solusi Tunas Pratama Tbk	Telecommunication Services
8/4/21	AS Graanul Invest	Paper and Forest Products	Buyer	n/a	8/23/21	Dr Organic Limited	Personal Products
8/3/21	Carrier Business of Lumen Technologies, Inc	Telecommunication Services	Buyer	\$7,500	8/19/21	Cedar Bayou 4 facility	Electric Utilities
7/5/21	Reno De Medici S p A	Containers and Packaging	Buyer	\$630	8/19/21	Altura Cogen Facility	Electric Utilities
7/5/21	Reno De Medici S p A	Containers and Packaging	Buyer	\$630	** 8/17/21	Workforce Logiq	Professional Services
7/1/21	Motive Capital Management, LLC	Capital Markets	Buyer	n/a	8/12/21	VerSe Innovation Private Limited	Software
			•		** 8/7/21	Schaltbau Holding AG	Machinery
					** 8/4/21	612 MW operating wind portfolio in New York	Power and Renewables
Ares Mana	agement				8/3/21	BKTB Holdings, Inc	Software
9/17/21	Major League Soccer, L L C	Entertainment	Buyer	n/a	** 7/29/21	JJ Transportes Lda	Road and Rail
9/10/21	Corporate Campus East III	RE Management and Development	Seller	\$84	** 7/21/21	Copia Power	Power and Renewables
8/10/21	Matter Logistics Center near Las Vegas Airport	RE Management and Development	Buyer	n/a	7/20/21	LiveU Inc	Media
7/8/21	Resource Label Group, LLC	Commercial Services and Supplies	Buyer	n/a	7/19/21	Vista Medical Plaza in San Diego	RE Management and Develop
					7/15/21	Shanghai Dongyong Trading Co , Ltd	Internet and Direct Marketing
					7/15/21	Apex Group Ltd	Software
The Blacks	stone Group				** 7/1/21	Atotech Limited	Chemicals
9/30/21	Portfolio of 10 properties in Northern Italy	RE Management and Development	Seller	n/a	7/1/21	Inova Software SA	Software
9/29/21	22-building Twin Cities industrial portfolio	N/A	Seller	n/a			
9/17/21	495 Unit Apartment Community in Tempe	RE Management and Development	Seller	n/a	KKR & Co.		
9/7/21	5,800 San Diego Apartments	RE Management and Development	Buyer	n/a	** 9/30/21	Beauty and Retail Businesses of Coty Inc	Personal Products
9/7/21	The Chamberlain Group, Inc	Electronic Equipment	Buyer	\$5,000	** 9/30/21	Probe Group Pty Ltd	Commercial Services and Supp
9/2/21	Industrial building in Durham	RE Management and Development	Buyer	\$43	9/23/21	400 Summer Street	RE Management and Developr
8/26/21	Parkgate Business Centre in Dublin	RE Management and Development	Seller	n/a	** 9/13/21	Ocean Yield ASA	Energy Equipment and Service
3/20/21	Two Hotels Near Reagan National Airport	Hotels, Restaurants and Leisure	Buyer	\$169	** 9/10/21	Riata Corporate Park in Austin, Texas	RE Management and Develop
3/11/21	Vine Energy Inc	Oil, Gas and Consumable Fuels	Seller	\$2,456	9/7/21	DoubleTree by Hilton Hotel Chattanooga	Hotels, Restaurants and Leisur
8/2/21	Hello Sunshine	Interactive Media and Services	Buyer	n/a	** 8/26/21	Ritchies Transport Limited	Hotels, Restaurants and Leisur
7/30/21	Seattle Apartments	RE Management and Development	Buyer	\$4	** 8/24/21	Arbor Pharmaceuticals, Inc	Pharmaceuticals
7/27/21	5 Properties at Fremont Research Center and Park	RE Management and Development	Seller	\$67	8/23/21	Dr Organic Limited	Personal Products
7/27/21	GTCR LLC	Capital Markets	Buyer	n/a	** 8/17/21	14 5M Sq. Ft. Infill and Light Industrial Portfolio	RE Management and Developr
7/19/21	Albion Portfolio	RE Management and Development	Buyer	\$402	** 8/17/21	KKR India Financial Services Limited	Financial Services
7/19/21	IntSights Cyber Intelligence Ltd	Entertainment	Seller	\$308	** 8/15/21	Apple Leisure Group	Hotels, Restaurants and Leisur
7/19/21	Simplilearn Solutions Private Limited	Professional Services	Buyer	n/a	8/9/21	Park 70 at Aurora, Colorado	RE Management and Develop
7/15/21	Aslan on the River Apartments	RE Management and Development	Buyer	\$49	7/21/21	Teaching Strategies, LLC	Consumer Services
7/14/21	SAFG Retirement Services, Inc	Insurance	Buyer	n/a	** 7/16/21	Optic Fibre Network of Telefónica Colombia	Telecommunication Services
7/6/21	Sphera Solutions, Inc	Software	Buyer	\$1,400	** 7/15/21	Spark Infrastructure Group	Electric Utilities
7/2/21	The Archer	RE Management and Development	Buyer	\$38	7/12/21	The District at Scottsdale	RE Management and Develop
7/1/21	Certified Collectibles Group, L L C	Professional Services	Buyer	n/a	** 7/8/21	Neighborly, Inc	Commercial Services and Supp
	17		,				
					** 7/5/21	Highway Concessions One Private Limited	Construction and Engineering

#### **Report Methodology**

When performing a valuation of a private GP, determining basic indicators for comparable publicly traded GPs cannot be done solely using common technology platforms. An analyst must make certain adjustments to estimate the enterprise value associated with the operations of public GPs. As such, three primary adjustments were made:

Sculptor Capital Management, Inc.

Element Atlanta Buckhead

- 1) Direct investments: the value associated with direct investments owned by the GP was excluded from the enterprise value. Direct investments typically include assets invested in funds managed by the GP that are commingled with the LPs.
- 2) Operating debt: the debt associated with variable interest entities (VIEs) was excluded from the enterprise value. When GPs set up levered funds, such as CLOs, they typically set them up as VIEs. Although the LPs contribute the overwhelming majority of capital to the VIE, the GP retains control over the VIE. As such, the GP may have to consolidate the debt held at the VIE level into their financials, even though the debt is not actually operating debt. Given the debt belongs to the investment vehicle and not the GP, we removed it to determine the enterprise value of the GP.
- 3) Market capitalization: the entire share count was included to capture the entire market capitalization of the enterprise. Public GPs often float only a certain amount of stock on the public markets, leaving the remaining portion in private hands. Given that the public indications only represent a portion of a company's equity, the public and private share counts must be included to capture the entire equity value.

Manager

Role

Buyer

Buyer

Buver

Seller

Buyer

Buver

Seller

Buyer

Buyer

Seller

Buyer

Seller

Buyer

Buyer

Buver

Seller

Buyer

Buyer

Buyer

Buyer

Buyer

Buyer

Buyer

Seller

Seller

Seller

Seller

Seller

Buyer

Buver

Buyer

Buyer

Buyer

Buyer

Buyer

Buyer

Buyer

Implied EV

n/a

n/a n/a

n/a

n/a \$28

n/a

n/a

n/a

n/a

n/a

n/a

n/a

n/a

n/a

\$38

\$433

\$4,591

\$2,200

\$2,769

\$2,187

\$6,467

\$27

\$710

Hotels, Restaurants and Leisure

<sup>\*\*</sup>Represents transactions that have not closed as of the issuance of this report.

100,000

		2018	2019		Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q (%)
The Blackstone Group	\$	342,528	\$ 408,075	\$	444,511	\$ 469,433	\$ 481,225	\$ 498,933	3 79
Apollo Global Management		214,367	246,446		336,145	348,674	345,246	353,560	2 49
The Carlyle Group		159,552	161,057		166,570	170,102	173,132	174,856	1 09
KKR & Co		141,008	161,210		177,290	186,217	288,441	319,344	10 79
Ares Management		88,570	104,800		121,200	135,000	136,700	162,200	18 79
) Sculptor Capital Management		32,528	34,470		35,984	36,798	37,374	37,804	1 19
Total	-	978,552	1,116,058	1	l,281,700	1,346,224	1,462,118	1,546,697	5.89

(1) Sculptor does not report Fee Earning AUM As such, the AUM above reflects Gross AUM

	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q (%)
The Blackstone Group	\$ 2,937	\$ 3,326	\$ 3,902	\$ 4,093	\$ 4,336	\$ 4,578	5 6%
Apollo Global Management	1,395	1,658	1,882	1,936	2,016	2,101	4 2%
The Carlyle Group	1,174	1,481	1,464	1,486	1,511	1,534	1 5%
KKR & Co	1,544	1,643	1,638	1,826	1,950	2,198	12 7%
Ares Management	825	979	1,120	1,192	1,251	1,354	8 3%
Sculptor Capital Management	290	256	260	271	278	294	5 8%
Total	8,164	9,343	10.267	10.804	11,341	12.059	6.3%

	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q (%)
The Blackstone Group	\$ 3,830	\$ 1,783	\$ 634	\$ 1,860	\$ 8,169	\$ 10,523	28 8%
Apollo Global Management	658	165	48	336	3,450	3,275	-5 1%
The Carlyle Group	1,578	421	858	1,673	4,397	5,288	20 2%
KKR & Co	1,629	925	1,087	1,730	5,085	5,525	8 7%
Ares Management	243	552	404	544	1,078	1,643	52 4%
Sculptor Capital Management	464	216	292	617	655	677	3 3%
Total	8,402	4,062	3,323	6,759	22,834	26,929	17.9%

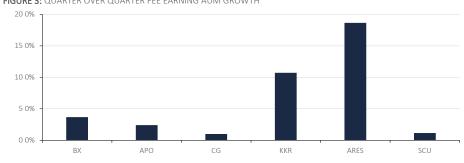
LTM TOTAL FEES (\$MM)							
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q (%)
The Blackstone Group	\$ 6,767	\$ 5,109	\$ 4,536	\$ 5,953	\$ 12,504	\$ 15,101	20 8%
Apollo Global Management	2,052	1,823	1,930	2,272	5,466	5,375	-1 7%
The Carlyle Group	2,752	1,902	2,322	3,159	5,908	6,821	15 5%
KKR & Co	3,173	2,568	2,726	3,556	7,034	7,723	9 8%
Ares Management	1,068	1,531	1,524	1,735	2,329	2,997	28 7%
Sculptor Capital Management	753	473	553	888	933	971	4 0%
Total	16,566	13,406	13,590	17,563	34,175	38,988	14.1%

LTM OPERATING INCOME (\$MM)							
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q (%)
The Blackstone Group	\$ 3,032	\$ 1,963	\$ 1,752	\$ 2,652	\$ 6,515	\$ 8,017	23 1%
Apollo Global Management	889	743	552	828	2,675	2,543	-4 9%
The Carlyle Group	517	265	590	1,083	2,473	2,867	15 9%
KKR & Co	793	298	359	772	2,665	2,787	4 6%
Ares Management	163	250	232	305	452	591	30 9%
Sculptor Capital Management	138	(27)	(58)	246	277	438	58 0%
Total	5,532	3,492	3,426	5,887	15,057	17,243	14.5%
Operating Income Margin	33.4%			33.5%	44.1%		0.2%

Financial metrics have been presented with a one quarter lag in order to reflect the market's information as of the specific trading day







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FIGURE 4: LTM MANAGEMENT FEES / LTM AVERAGE FEE EARNING AUM

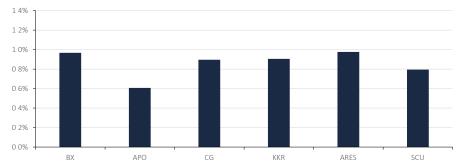
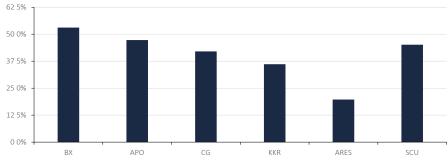


FIGURE 5: LTM OPERATING INCOME MARGINS



3 | BRG QUARTERLY GP REPORT

·	2018	2019	C	24-20	Q1-21	Q2-21	Q3-21	ΔQ/Q (%)
The Blackstone Group	\$ 29 81	\$ 55 94	\$	64 81	\$ 74 53	\$ 97 14	\$ 116 34	19 8%
Apollo Global Management	24 54	47 71		48 98	47 01	62 20	61 59	-1 0%
The Carlyle Group	15 75	32 08		31 44	36 76	46 48	47 28	1 7%
KKR & Co	19 63	29 17		40 49	48 85	59 24	60 88	2 8%
Ares Management	17 78	35 69		47 05	56 03	63 59	73 83	16 1%
Sculptor Capital Management	9 20	22 10		15 20	21 88	24 59	27 89	13 4%
Average	19.45	37.12		41.33	47.51	58.87	64.64	9.8%

	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q (%)
The Blackstone Group	\$ 23,733	\$ 55,261	\$ 67,387	\$ 75,924	\$ 98,371	\$ 115,910	17 8%
Apollo Global Management	8,994	18,886	20,219	19,211	24,959	23,374	-6 3%
The Carlyle Group	3,971	8,564	9,863	11,607	15,028	15,104	0 5%
KKR & Co	8,145	14,980	23,121	28,515	36,609	36,606	0 0%
Ares Management	3,945	8,124	11,694	14,560	17,313	20,805	20 2%
Sculptor Capital Management	62	474	119	608	560	594	5 9%
Total	48,851	106,289	132,403	150,425	192,841	212,393	10.1%

	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
The Blackstone Group	8 1x	16 6x	17 3x	18 6x	22 7x	25 3x	2 6>
Apollo Global Management	6 4x	11 4x	10 7x	9 9x	12 4x	11 1x	-1 3>
The Carlyle Group	3 4x	5 8x	6 7x	7 8x	9 9x	9 8x	-0 1>
KKR & Co	5 3x	9 1x	14 1x	15 6x	18 8x	16 7x	-2 1>
Ares Management	4 8x	8 3x	10 4x	12 2x	13 8x	15 4x	1 5×
Sculptor Capital Management	0 2x	1 8x	0 5x	2 2x	2 0x	2 0x	0 0>
Median	5.0x	8.7x	10.6x	11.1x	13.1x	13.2x	0.1>

	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
The Blackstone Group	3 5x	10 8x	14 9x	12 8x	7 9x	7 7x	-0 2x
Apollo Global Management	4 4x	10 4x	10 5x	8 5x	4 6x	4 3x	-0 2x
The Carlyle Group	1 4x	4 5x	4 2x	3 7x	2 5x	2 2x	-0 3x
KKR & Co	2 6x	5 8x	8 5x	8 0x	5 2x	4 7x	-0 5x
Ares Management	3 7x	5 3x	7 7x	8 4x	7 4x	6 9x	-0 5x
Sculptor Capital Management	0 1x	1 0x	0 2x	0 7x	0 6x	0 6x	0 0x
Median	3.0x	5.6x	8.1x	8.2x	4.9x	4.5x	-0.3x

	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
The Blackstone Group	7 8x	28 2x	38 5x	28 6x	15 1x	14 5x	-0 6x
Apollo Global Management	10 1x	25 4x	36 6x	23 2x	9 3x	9 2x	-0 1x
The Carlyle Group	7 7x	32 4x	16 7x	10 7x	6 1x	5 3x	-0 8x
KKR & Co	10 3x	50 2x	64 4x	36 9x	13 7x	13 1x	-0 6x
Ares Management	24 1x	32 5x	50 5x	47 7x	38 3x	35 2x	-3 1x
Sculptor Capital Management	0 5x	nm	nm	2 5x	2 0x	1 4x	-0 7x
Median	9.0x	32.4x	38.5x	25.9x	11.5x	11.2x	-0.4x

Financial metrics have been presented with a one quarter lag in order to reflect the market's information as of the specific trading day Multiples shown as "nm" if negative

FIGURE 6: QUARTER OVER QUARTER % CHANGE IN STOCK PRICE

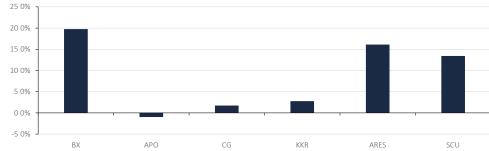


FIGURE 7: EV / LTM MANAGEMENT FEES

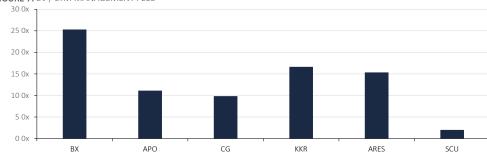


FIGURE 8: COMBINED LTM MANAGEMENT FEES (\$MM) AND MEDIAN EV/LTM MANAGEMENT FEES MULTIPLES

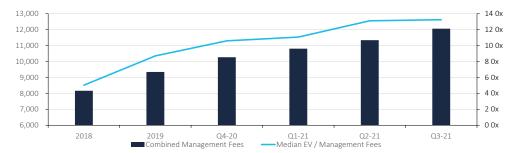
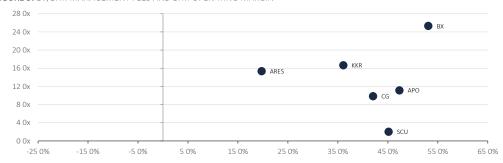


FIGURE 9: EV/LTM MANAGEMENT FEES AND LTM OPERATING MARGIN



4 | BRG QUARTERLY GP REPORT



MARKET MULTIPLES						
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21
EV / Management Fees	8.1x	16.6x	17.3x	18.6x	22.7x	25.3x
EV / Total Fees	3.5x	10.8x	14.9x	12.8x	7.9x	7.7x
EV / Operating Income	7.8x	28.2x	38.5x	28.6x	15.1x	14.5x



EV / Management Fees         6.4x         11.4x         10.7x         9.9x         12.4x           EV / Total Fees         4.4x         10.4x         10.5x         8.5x         4.6x	MARKET MULTIPLES						
EV / Total Fees 4.4x 10.4x 10.5x 8.5x 4.6x		2018	2019	Q4-20	Q1-21	Q2-21	Q3-21
	EV / Management Fees	6.4x	11.4x	10.7x	9.9x	12.4x	11.1x
EV / Operating Income 10.1v 25.4v 36.6v 23.2v 9.3v	EV / Total Fees	4.4x	10.4x	10.5x	8.5x	4.6x	4.3x
EV / Operating income 10.17 25.47 30.07 25.27 3.57	EV / Operating Income	10.1x	25.4x	36.6x	23.2x	9.3x	9.2x

PERFORMANCE METRICS								
		2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
AUM	\$	472,242	\$ 571,122	\$ 584,376	\$ 618,557	\$ 648,803	\$ 684,029	5.4%
Fee Earning AUM		342,528	408,075	444,511	469,433	481,225	498,933	3.7%
Management Fees ("MF")		2,937	3,326	3,902	4,093	4,336	4,578	5.6%
Performance Fees ("PF")		3,830	1,783	634	1,860	8,169	10,523	28.8%
Total Fees	\$	6,767	5,109	4,536	5,953	12,504	15,101	20.8%
Operating Income	\$	3,032	1,963	1,752	2,652	6,515	8,017	23.1%
Operating Income Margin		44.8%	38.4%	38.6%	44.6%	52.1%	53.1%	1.0%
AUM Growth		2.1%	19.1%	2.0%	5.6%	2.5%	3.7%	
MF / Fee Earning AUM	1	0.9%	0.9%	0.9%	0.9%	0.9%	0.9%	
PF / Fee Earning AUM		1.1%	0.5%	0.1%	0.4%	1.7%	2.2%	

	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
Stock Price	\$ 29.81	\$ 55.94	\$ 64.81	\$ 74.53	\$ 97.14	\$ 116.34	19.8%
Market Cap	35,790	66,684	77,385	86,441	112,143	133,075	18.79
(+) Debt	3,482	4,778	5,571	5,645	5,574	5,595	0.49
(-) Cash	1,938	2,469	2,629	1,999	2,862	2,467	-13.89
(+) Preferred Stock	-	-	-	-	-	-	-
EV (Incl. Investments)	37,335	68,993	80,327	90,086	114,855	136,202	18.69
(-) Investments	13,602	13,732	12,940	14,162	16,484	20,292	23.19
EV	23,733	55,261	67,387	75,924	98,371	115,910	17.89

PERFORMANCE METRICS								
	2018	2019		Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
AUM	\$ 280,259	\$ 331,105	\$	433,145	\$ 455,486	\$ 461,138	\$ 471,775	2.3%
Fee Earning AUM	214,367	246,446		336,145	348,674	345,246	353,560	2.4%
Management Fees ("MF")	1,395	1,658		1,882	1,936	2,016	2,101	4.2%
Performance Fees ("PF")	658	165		48	336	3,450	3,275	-5.1%
Total Fees	\$ 2,052	1,823		1,930	2,272	5,466	5,375	-1.7%
Operating Income	\$ 889	743	H	552	828	2,675	2,543	-4.9%
Operating Income Margin	43.3%	40.7%		28.6%	36.4%	48.9%	47.3%	-1.6%
AUM Growth	26.9%	15.0%		1.9%	3.7%	-1.0%	2.4%	
MF / Fee Earning AUM	0.7%	0.7%		0.6%	0.6%	0.6%	0.6%	
PF / Fee Earning AUM	0.3%	0.1%		0.0%	0.1%	1.0%	0.9%	

2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
\$ 24.54	\$ 47.71	\$ 48.98	\$ 47.01	\$ 62.20	\$ 61.59	-1.0%
9,914	19,219	21,201	20,428	27,015	26,664	-1.3%
1,361	2,348	3,151	3,155	3,153	3,154	0.0%
855	1,243	1,839	1,556	1,718	1,825	6.2%
554	554	554	554	554	554	-
10,974	20,879	23,068	22,582	29,004	28,548	-1.6%
1,980	1,992	2,849	3,371	4,045	5,174	27.9%
8,994	18,886	20,219	19,211	24,959	23,374	-6.3%
	\$ 24.54 9,914 1,361 855 554 10,974 1,980	\$ 24.54 \$ 47.71  9,914 19,219 1,361 2,348 855 1,243 554 554 10,974 20,879 1,980 1,992	\$ 24.54 \$ 47.71 \$ 48.98  9,914 19,219 21,201 1,361 2,348 3,151 855 1,243 1,839 554 554 554 10,974 20,879 23,068 1,980 1,992 2,849	\$ 24.54 \$ 47.71 \$ 48.98 \$ 47.01  9,914 19,219 21,201 20,428 1,361 2,348 3,151 3,155 855 1,243 1,839 1,556 554 554 554 554 10,974 20,879 23,068 22,582 1,980 1,992 2,849 3,371	\$ 24.54 \$ 47.71 \$ 48.98 \$ 47.01 \$ 62.20  9,914 19,219 21,201 20,428 27,015 1,361 2,348 3,151 3,155 3,153 855 1,243 1,839 1,556 1,718 554 554 554 554 554 10,974 20,879 23,068 22,582 29,004 1,980 1,992 2,849 3,371 4,045	\$ 24.54 \$ 47.71 \$ 48.98 \$ 47.01 \$ 62.20 \$ 61.59  9,914 19,219 21,201 20,428 27,015 26,664 1,361 2,348 3,151 3,155 3,153 3,154 855 1,243 1,839 1,556 1,718 1,825 554 554 554 554 554 554 10,974 20,879 23,068 22,582 29,004 28,548 1,980 1,992 2,849 3,371 4,045 5,174



MARKET MULTIPLES						
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21
EV / Management Fees	3.4x	5.8x	6.7x	7.8x	9.9x	9.8x
EV / Total Fees	1.4x	4.5x	4.2x	3.7x	2.5x	2.2x
EV / Operating Income	7.7x	32.4x	16.7x	10.7x	6.1x	5.3x



MARKET MULTIPLES						
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21
EV / Management Fees	5.3x	9.1x	14.1x	15.6x	18.8x	16.7x
EV / Total Fees	2.6x	5.8x	8.5x	8.0x	5.2x	4.7x
EV / Operating Income	10.3x	50.2x	64.4x	36.9x	13.7x	13.1x

PERFORMANCE METRICS										
		2018	2019	Q4-20	Q1-21	Q2-21		Q3-21	ΔQ/0	Q
AUM	\$	216,470	\$ 224,442	\$ 229,992	\$ 245,769	\$ 259,844	\$	275,877		6.2%
Fee Earning AUM		159,552	161,057	166,570	170,102	173,132		174,856		1.0%
Management Fees ("MF")		1,174	1,481	1,464	1,486	1,511		1,534		1.5%
Performance Fees ("PF")		1,578	421	858	1,673	4,397		5,288	2	20.2%
Total Fees	\$	2,752	1,902	2,322	3,159	5,908		6,821	1	5.5%
Operating Income	\$	517	265	590	1,083	2,473	┢	2,867	1	5.9%
Operating Income Margin	Т	18.8%	13.9%	25.4%	34.3%	41.9%		42.0%		0.2%
AUM Growth		28.1%	0.9%	2.6%	2.1%	1.8%		1.0%		
MF / Fee Earning AUM	1	0.8%	0.9%	0.9%	0.9%	0.9%		0.9%		
PF / Fee Earning AUM	1	1.1%	0.3%	0.5%	1.0%	2.6%		3.1%		

		2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
Stock Price	\$	15.75	\$ 32.08	\$ 31.44	\$ 36.76	\$ 46.48	\$ 47.28	1.7
Market Cap		5,343	11,121	11,115	13,036	16,481	16,879	2.
(+) Debt	- 1	1,558	1,962	1,987	1,971	1,941	2,308	18.
(-) Cash	- 1	1,238	1,490	938	988	880	1,586	80.
(+) Preferred Stock		388	_	-	-	-	-	-
EV (Incl. Investments)		6,051	11,593	12,163	14,019	17,541	17,601	0.
(-) Investments		2,080	3,029	2,300	2,412	2,513	2,496	-0.
EV		3,971	8,564	9,863	11,607	15,028	15,104	0.

PERFORMANCE METRICS							
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
AUM	\$ 194,720	\$ 218,355	\$ 233,809	\$ 251,679	\$ 367,453	\$ 428,948	16.7%
Fee Earning AUM	141,008	161,210	177,290	186,217	288,441	319,344	10.7%
Management Fees ("MF")	1,544	1,643	1,638	1,826	1,950	2,198	12.7%
Performance Fees ("PF")	1,629	925	1,087	1,730	5,085	5,525	8.7%
Total Fees	\$ 3,173	2,568	2,726	3,556	7,034	7,723	9.8%
Operating Income	\$ 793	298	359	772	2,665	2,787	4.6%
Operating Income Margin	25.0%	11.6%	13.2%	21.7%	37.9%	36.1%	-1.8%
AUM Growth	20.1%	14.3%	10.6%	5.0%	54.9%	10.7%	
MF / Fee Earning AUM	1.1%	1.1%	1.0%	0.9%	0.8%	0.8%	
PF / Fee Earning AUM	1.2%	0.6%	0.6%	0.9%	2.1%	2.0%	

EV COMPONENTS							
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
Stock Price	\$ 19.63	\$ \$ 29.17	\$ 40.49	\$ 48.85	\$ 59.24	\$ 60.88	2.8%
Market Cap	16,399	24,684	34,334	41,632	50,659	51,995	2.6%
(+) Debt	3,303	4,042	5,591	5,637	6,077	6,087	0.2%
(-) Cash	1,751	2,687	4,363	5,363	5,032	5,170	2.8%
(+) Preferred Stock	483	485	1,601	1,601	1,268	1,268	-
EV (Incl. Investments)	18,434	26,524	37,163	43,507	52,972	54,180	2.3%
(-) Investments	10,288	11,545	14,042	14,992	16,363	17,574	7.4%
EV	8,145	14,980	23,121	28,515	36,609	36,606	0.0%
(-) Cash (+) Preferred Stock EV (Incl. Investments)	1,751 483 <b>18,434</b> 10,288	2,687 485 <b>26,524</b> 3 11,545	4,363 1,601 37,163 14,042	5,363 1,601 <b>43,507</b> 14,992	5,032 1,268 <b>52,972</b> 16,363	5,170 1,268 54,180 17,574	



MARKET MULTIPLES						
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21
EV / Management Fees	4.8x	8.3x	10.4x	12.2x	13.8x	15.4x
EV / Total Fees	3.7x	5.3x	7.7x	8.4x	7.4x	6.9x
EV / Operating Income	24.1x	32.5x	50.5x	47.7x	38.3x	35.2x



MARKET MULTIPLES						
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21
EV / Management Fees	0.2x	1.8x	0.5x	2.2x	2.0x	2.0x
EV / Total Fees	0.1x	1.0x	0.2x	0.7x	0.6x	0.6x
EV / Operating Income	0.5x	-17.8x	-2.1x	2.5x	2.0x	1.4x
					_	

PERFORMANCE METRICS								
		2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
AUM	\$	130,663	\$ 148,916	\$ 179,237	\$ 196,980	\$ 207,158	\$ 247,886	19.7%
Fee Earning AUM		88,570	104,800	121,200	135,000	136,700	162,200	18.7%
Management Fees ("MF")		825	979	1,120	1,192	1,251	1,354	8.3%
Performance Fees ("PF")		243	552	404	544	1,078	1,643	52.4%
Total Fees	\$	1,068	1,531	1,524	1,735	2,329	2,997	28.7%
Operating Income	\$	163	250	232	305	452	591	30.9%
Operating Income Margin		15.3%	16.3%	15.2%	17.6%	19.4%	19.7%	0.3%
AUM Growth		13.3%	18.3%	6.4%	11.4%	1.3%	18.7%	
MF / Fee Earning AUM	1	1.0%	1.0%	0.9%	0.9%	0.9%	0.9%	
PF / Fee Earning AUM		0.3%	0.6%	0.3%	0.4%	0.8%	1.1%	

EV COMPONENTS							
	2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
Stock Price	\$ 17.78	\$ 35.69	\$ 47.05	\$ 56.03	\$ 63.59	\$ 73.83	16.1%
Market Cap	3,886	8,261	12,160	14,695	17,674	21,007	18.9%
(+) Debt	351	246	643	643	811	1,088	34.1%
(-) Cash	122	152	869	540	610	583	-4.4%
(+) Preferred Stock	299	299	299	299	-	-	-
EV (Incl. Investments)	4,413	8,654	12,233	15,097	17,875	21,512	20.3%
(-) Investments	468	530	538	537	562	708	26.0%
EV	3,945	8,124	11,694	14,560	17,313	20,804	20.2%

PERFORMANCE METRICS								
		2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
AUM	\$	32,528 \$	34,470	\$ 35,984	\$ 36,798	\$ 37,374	\$ 37,804	1.1%
Fee Earning AUM		n/a	n/a	n/a	n/a	n/a	n/a	
Management Fees ("MF")		290	256	260	271	278	294	5.8%
Performance Fees ("PF")		464	216	292	617	655	677	3.3%
Total Fees	\$	753	473	553	888	933	971	4.0%
Operating Income	\$	138	(27)	(58)	246	277	438	58.0%
Operating Income Margin	Т	18.4%	-5.6%	-10.5%	27.7%	29.7%	45.1%	15.4%
AUM Growth		-14.0%	6.0%	4.4%	2.3%	1.6%	1.1%	
MF / Fee Earning AUM		0.9%	0.8%	0.7%	0.7%	0.7%	0.8%	
PF / Fee Earning AUM		1.4%	0.6%	0.8%	1.7%	1.8%	1.8%	

2018	2019	Q4-20	Q1-21	Q2-21	Q3-21	ΔQ/Q
\$ 9.20	\$ 22.10	\$ 15.20	\$ 21.88	\$ 24.59	\$ 27.89	13.4%
453	813	587	872	1,005	1,150	14.4%
290	285	259	335	186	120	-35.5%
195	127	290	184	198	154	-22.3%
-	-	-	-	-	-	-
548	971	555	1,023	993	1,116	12.4%
485	498	436	415	433	523	21.0%
62	474	119	608	560	593	5.8%
	\$ 9.20 453 290 195 - 548 485	\$ 9.20 \$ 22.10 453 813 290 285 195 127  548 971 485 498	\$ 9.20 \$ 22.10 \$ 15.20  453 813 587 290 285 259 195 127 290 548 971 555 485 498 436	\$ 9.20 \$ 22.10 \$ 15.20 \$ 21.88  453 813 587 872 290 285 259 335 195 127 290 184 548 971 555 1,023 485 498 436 415	\$ 9.20 \$ 22.10 \$ 15.20 \$ 21.88 \$ 24.59  453 813 587 872 1,005 290 285 259 335 186 195 127 290 184 198 548 971 555 1,023 993 485 498 436 415 433	\$ 9.20 \$ 22.10 \$ 15.20 \$ 21.88 \$ 24.59 \$ 27.89  453 813 587 872 1,005 1,150 290 285 259 335 186 120 195 127 290 184 198 154

## **About BRG**

Berkeley Research Group, LLC (BRG) is a global consulting firm that helps leading organizations advance in three key areas: disputes and investigations, corporate finance, and performance improvement and advisory. Headquartered in California with offices around the world, we are an integrated group of experts, industry leaders, academics, data scientists, and professionals working beyond borders and disciplines. We harness our collective expertise to deliver the inspired insights and practical strategies our clients need to stay ahead of what's next. Visit thinkbrg.com to learn more.

## About BRG's GP Valuation Team

BRG brings extensive industry-specific experience through years of working with some of the world's leading GP managers. Our professionals have acted as valuation advisor for numerous engagements in connection with the valuation of GP and LP interests, including:

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- LP Interest Valuations: negotiations for secondary LP transactions, transfer of interests from wind-down to new fund, valuation of LP for tax reporting, reporting of fair value for LP interests.

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Mr. Smith was a Managing Director at Houlihan Lokey for more than fifteen years, where he led the Atlanta office. He provided both fairness and solvency opinions, was appointed to the firm's fairness and solvency committees, and was the co-founder and co-leader of the firm's International Tax and Financial Reporting practice.



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Prior to joining BRG, Mr. Losito spent three and a half years at Blackstone performing valuations in its core Private Equity funds. During his time at BX, Carl prepared the European and Asian valuations in their flagship Private Equity and Tactical Opportunities funds developing valuation models for multiple sectors including consumer (cosmetics, beauty), industrials, TMT (Cellular towers, SaaS), specialty finance and real estate.



