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# Gaming, Lodging & Cruise Lines

## Weekly Data Packet

- Comparative Valuations
- Recent and Historical Share Price Trends
- EBITDA Multiples and EBITDA Growth
- P/E Multiples
- Balance Sheet Metrics
- Short Interest
- J.P. Morgan Price Target Methodologies
- All pricing as of market close on Thursday, April 19th, 2018.

### Gaming, Lodging & Cruise Lines Joseph Greff <sup>AC</sup>

(1-212) 622-0548 joseph.greff@jpmorgan.com **Bloomberg** JPMA GREFF <GO>

#### **Brandt Montour, CFA**

(1-212) 622-1111 brandt.a.montour@jpmorgan.com

Daniel Politzer, CFA

(1-212) 622-8170 dan.politzer@jpmorgan.com

#### **Omer N Sander**

(1-212) 622-2684 omer.n.sander@jpmorgan.com J.P. Morgan Securities LLC



## See page 46 for analyst certification and important disclosures.

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**Table 1: Gaming Universe Comparative Valuation Table** 

			D.J.	101.4	90-Day	YE 18	Upside-	Di-	Total		EDO			EDITD 4			<i>(</i> E	E) //E	DITDA	505	Wi- Ld
Ratino	Company	Ticker	Price 4/19/2018	Mkt. Cap.	Avg Vol. (000's)	Price Target	Downside to Target	Div Yld	Return Potential	2017	2018E	2019E	2017	EBITDA 2018E	2019E		/E 2019E	2018E	BITDA 2019E	2018E	Yield 2019E
rtuting		HOROI	4,10,2010	oup.	(000 0)	runger	to ranget	114	1 Otomiai	2011	20102	20102	2011	20102	20102	20102	20102	LUTUL	20102	20102	20102
	Gaming Operators																				
N	Las Vegas Sands	LVS	\$73.84	58,518	3,703	74	0%	4.1%	4%	\$3.04	\$3.33	\$3.48	\$4,689	\$5,008	\$5,206	22.2x	21.2x	15.5x	14.8x	5.2%	5.5%
OW	MGM Resorts Int'l	MGM	35.56	20,520	8,555	44	24%	1.3%	24%	3.43	1.08	1.74	2,837	2,961	3,270	33.0x	20.5x	12.0x	10.5x	6.4%	7.7%
OW	Wynn Resorts	WYNN	191.65	19,664	4,304	216	12%	1.6%	14%	5.34	7.60	9.38	1,664	2,043	2,285	25.2x	20.4x	15.4x	13.9x	5.8%	6.3%
OW	Melco Resorts and Ent.	MLCO	31.37	15,469	2,505	36	13%	1.7%	13%	0.70	1.10	1.38	1,285	1,500	1,693	28.6x	22.7x	13.1x	10.9x	5.6%	6.8%
	LV/Macau Operators	Avg.														27.3x	21.2x	14.0x	12.5x	5.8%	6.6%
NR	Pinnacle Entertainment	PNK	31.15	1,916	481			-													
NR	Penn National	PENN	27.37	2,544	1,431			-													
OW	Boyd Gaming	BYD	35.03	4,051	1,765	39	11%	0.6%	11%	1.03	1.13	1.49	596	615	648	30.9x	23.5x	10.9x	9.8x	7.7%	11.1%
OW	Red Rock Resorts	RRR	30.31	3,516	653	37	24%	1.3%	25%	0.43	1.18	1.59	496	504	574	25.6x	19.1x	12.4x	10.6x	NM	7.1%
N	Churchill Downs	CHDN	251.50	4,029	130	270	7%	0.6%	8%	8.54	10.61	12.44	344	310	332	23.7x	20.2x	13.1x	11.5x	5.5%	6.0%
OW	Eldorado Resorts	ERI	40.80	3,182	809	47	15%	-	15%	NM	0.95	1.45	395	454	495	NM	NM	11.2x	9.7x	7.8%	9.2%
	Regional Operators	Avg.														26.8x	20.9x	11.9x	10.4x	7.0%	8.3%
	Gaming REITs																				
OW	Gaming & Leisure Prop	GLPI	34.47	7,326	1,369	41	18%	7.3%	25%	1.79	2.00	2.20	885	887	883	17.2x	15.7x	13.2x	13.2x	9.1%	9.1%
OW	MGM Growth Properties	MGP	28.12	7,018	845	31	12%	6.0%	18%	0.67	0.92	0.96	670	751	765	30.6x	29.2x	14.8x	14.3x	7.9%	8.1%
	Gaming REITS															23.9x	22.4x	14.0x	13.7x	8.5%	8.6%
	Gaming Equipment & L	_ottery																			
N	Scientific Games	SGMS	49.75	4,435	922	40	-20%	-	-20%	(2.16)	0.25	2.28	1,225	1,290	1,343	NM	21.8x	9.8x	9.4x	NM	14.9%
	Gaming Equipment 8	& Lottery	Avg.													NA	NA	9.8x	9.4x	NM	14.9%
	S&P 500	SPX	2693.1							130.49	156.41	172.71				17.2x	15.6x				

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NR = Not Rated

NA = Not Applicable; NM = Not Meaningful

Note: For WYNN, our adjusted net debt and EBITDA calculations back out 27.7% stake of WYNN Macau. Note: For LVS, our adjusted net debt and EBITDA calculations back out 29.7% stake of Sands China.

Note: For MLCO, our adjusted net debt and EBITDA calculations back out 40.0% stake of Studio City

Note: For ERI, our PT is based off the company's asset sales (Presque/Vicksburg) and acquisitions (Tropicana/Grand Vic), though our EBITDA/EPS estimates do not include any impact.

Note: For BYD, our PT is based off impact from the company's two recently announced acquisitions, though our EBITDA/EPS estimates do not include any impact.

Note: Dividend Yield - Annual dividend calculations are for dividends effective January 1, 2018

Note: FCF Yield represents discretionary, pre-capex cash flow

Note: S&P 500 P/E multiples based on Bloomberg consensus estimates

Valuation methodology for price targets: EV/EBITDA and P/E.

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com

**Table 2: Lodging Comparative Valuation Table** 

\$ in millions

				Mkt.	90-Day	YE18	Upside-		Total									Mul	tiples		
			Price	Cap.	Avg. Vol.	Price	Downside	Div	Return		EPS			EBITD	4		P/E			EV/EBITD/	4
Rating	Company	Ticker	4/19/2018	(\$B)	(000s)	Tgt	to Tgt	Yld	Potential	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E
	Lodging C-Corps																				
OW	Hilton Worldwide	HLT	\$81.98	\$27.1	3,847	\$96	18%	0.7%	18%	\$3.89	\$2.63	\$3.06	\$1,965	\$2,138	\$2,288	21.1x	31.1x	26.8x	16.7x	14.7x	13.3x
OW	Marriott International	MAR	137.62	\$53.9	2,364	\$156	13%	1.0%	14%	4.35	5.31	6.26	3,223	3,427	3,727	31.6	25.9	22.0	18.7	16.8	15.1
N	Hyatt Hotels Corporation	Н	77.97	10.4	925	\$79	2%		2%	1.97	1.38	1.79	816	814	868	39.6	56.5	43.5	13.8	13.0	11.9
OW	Extended Stay America	STAY	20.41	4.1	1,686	\$24	18%	4.1%	22%	0.40	1.08	1.19	623	611	626	50.5	18.8	17.2	10.2	10.0	9.5
UW	Choice Hotels	CHH	81.50	4.6	258	\$72	-12%	1.1%	-11%	2.87	3.31	3.76	294	325	350	28.4	24.6	21.7	17.5	16.6	15.1
N	Belmond	BEL	11.10	1.1	387	\$13	17%		17%	-0.44	0.20	0.23	124	142	151	NM	56.1	49.2	13.4	12.4	11.5
OW	Hilton Grand Vacations	HGV	43.90	4.3	1,218	\$49	12%		12%	3.00	3.02	3.35	368	493	538	14.6	14.6	13.1	12.7	9.8	8.5
	Mean - Lodging C-Corps								6%							29.2x	30.6x	26.2x	14.2x	12.9x	11.7x
	Lodging REITs																				
UW	Host Hotels & Resorts	HST	\$19.46	\$14.5	7,041	\$19	-5%	4.1%	-1%	\$1.70	\$1.67	\$1.70	\$1,503	\$1,514	\$1,539	11.5x	11.7x	11.4x	11.9x	12.1x	11.8x
OW	Park Hotels & Resorts	PK	\$28.50	\$5.7	2,585	\$28	-1%	6.0%	5%	2.78	2.65	2.65	757	726	734	10.2x	10.8x	10.7x	11.8x	11.9x	11.8x
UW	LaSalle Hotel Properties	LHO	30.89	3.5	2,376	\$22	-29%	5.8%	-24%	2.47	2.12	2.16	339	295	301	12.5	14.5	14.3	13.2	15.3	14.9
N	Ryman Hospitality Properties	RHP	79.66	4.1	333	\$70	-13%	4.3%	-8%	4.86	5.75	6.79	361	376	422	16.4	13.9	11.7	15.3	14.6	12.7
UW	Sunstone Hotel Investors	SHO	15.84	3.4	2,235	\$14	-12%	1.3%	-10%	1.22	1.11	1.10	339	320	318	13.0	14.2	14.3	12.1	12.7	12.8
UW	Chesapeake Lodging Trust	CHSP	29.40	1.7	300	\$23	-23%	5.4%	-17%	2.17	2.40	2.40	170	179	178	13.5	12.2	12.2	14.7	13.9	13.8
	Mean - Lodging REITS						•		(12%)		•		•		•	12.9x	12.9x	12.5x	13.2x	13.4x	13.0x
	S&P 500	SPX	2694.40							130.49	156.35	172.68				20.6x	17.2x	15.6x			

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered NA = Not Applicable; NM = Not Meaningful.

Note: S&P 500 P/E multiples based on Bloomberg consensus estimates.

Note: Earnings estimates for Lodging REITs (HST, LHO, SHO, RHP and CHSP) represent FFO per share. Valuation methodology for price targets: EV/EBITDA and P/E

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com

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**Table 3: Cruise Lines Comparative Valuation Table** 

\$ in millions

			Mkt.	YE18	Upside-		Total	Shar	e Price								Multiple	s
		Price	Cap.	Price	Downside	Div	Return	Perfo	rmance		EPS			EBITD/	4		P/E	
Rating	Co.	4/19/2018	(\$bn)	Tgt	to Tgt	Yld	Potential	2017	2018YTD	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E
Cruise	<u>Lines</u>																	
N	CCL	\$65.06	\$48.6	\$77	19%	2.8%	21%	27%	(2%)	3.82	4.40	5.14	5,045	5,527	6,115	17.0x	14.8x	12.7x
OW	RCL	\$117.98	\$25.5	\$150	27%	2.0%	29%	45%	(1%)	7.53	8.66	10.02	2,846	3,196	3,532	15.7x	13.6x	11.8x
OW	NCLH	\$54.96	\$12.5	\$70	27%		27%	25%	3%	3.57	4.19	4.80	1,663	1,890	2,064	15.4x	13.1x	11.5x
	Mean - C	ruise Line														16.0x	13.8x	12.0x
	S&P 500	2692.31						19%	1%	130.49	156.35	172.68				20.6x	17.2x	15.6x

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NA = Not Applicable; NM = Not Meaningful
Note: S&P 500 P/E multiples based on Bloomberg consensus estimates
Valuation methodology for price targets: P/E

**Table 4: Gaming Universe Recent Share Price Trends and Returns** 

\$ in millions

		Price	52 \	Neek	% of 52-Week	Avg. Daily Volume Last		Return	in the Last	
ating Company	Ticker	4/19/2018	High	Low	High	90 Days	Week	Month	6 Mos.	12 Mos.
Gaming Operators						-				
N Las Vegas Sands	LVS	\$73.84	\$79.84	\$56.33	92%	3,703,492	2.0%	-0.6%	20.9%	36.0%
DW MGM Resorts Infl	MGM	35.56	38.41	28.10	93%	8,554,833	1.8%	-2.0%	17.4%	28.6%
DW Wynn Resorts	WYNN	191.65	203.63	114.40	94%	4,303,805	2.7%	5.5%	32.5%	69.1%
OW Boyd Gaming	BYD	35.03	40.44	22.17	87%	1,764,565	5.6%	4.3%	23.7%	57.2%
OW Red Rock Resorts	RRR	30.31	35.77	21.41	85%	652,713	3.7%	-2.3%	28.6%	36.9%
NR Penn National Gaming	PENN	27.37	33.30	17.56	82%	1,430,763	1.3%	3.7%	9.8%	46.7%
NR Pinnacle Entertainment	PNK	31.15	33.59	18.30	93%	480,855	1.1%	2.1%	24.7%	57.9%
N Churchill Downs	CHDN	251.50	279.45	162.25	90%	130,275	6.6%	-3.8%	21.4%	51.2%
OW Eldorado Resorts	ERI	40.80	43.15	17.30	95%	809,235	14.9%	14.8%	58.1%	117.0%
OW Melco Resorts and Ent	MLCO	31.37	32.04	19.56	98%	2,504,699	0.7%	15.4%	36.5%	60.2%
Gaming Operators					91%		4.0%	3.7%	27.4%	56.1%
DW Gaming & Leisure Properti	es GLPI	34.47	39.32	32.51	88%	1,369,467	3.3%	1.6%	-2.9%	7.2%
OW MGM Growth Properties	MGP	28.12	31.83	25.31	88%	845,243	3.2%	6.5%	-1.4%	5.5%
Gaming REITS					88%		3.3%	4.1%	-2.2%	7.2%
Gaming Equipment & Lo	ottery									
N Scientific Games	SGMS	49.75	56.45	21.45	88%	922,329	14.5%	7.9%	16.9%	134.1%
DW* Aristocrat Gaming	ALL AU	25.17	25.71	18.63	98%	2,467,977	7.1%	-0.2%	12.7%	34.5%
NC International Game Techno	ology IGT	\$28.01	30.82	17.25	91%	1,368,658	5.3%	-4.8%	19.4%	32.6%
Simple Average- All Equ	ipment Suppliers				92%		9.0%	1.0%	16.3%	67.1%
JPM Universe Equi	pment Suppliers Sim	ole Average			88%		10.8%	3.9%	14.8%	84.3%
S&P 500		2693	2872.87	2340.91	94%		1.1%	-0.6%	6.1%	17.5%

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NR = Not Rated

Note \* ALL AU is covered and rated OW by Donald Carducci Source: Bloomberg, company reports, J.P. Morgan estimates.

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com J.P.Morgan

Table 5: Lodging Universe Recent Share Price Trends and Returns

\$ in millions

			Dela	50.11	W I-	0/ -£ 50 W.L	Avg. Daily		D - 4 !	. 41 1 4	
Rating	Company	Ticker	Price 4/19/2018	5∠-v High	Veek Low	% of 52-Wk High	Vol. Last 90 Days	Week	Month	n the Last 6 Mos.	12 Mos.
	Lodging C-Corps						-	•			
OW	Hilton Worldwide	HLT	\$81.98	\$88.11	\$56.28	93%	3,847,355	3.2%	0.8%	16.1%	45.8%
OW	Marriott International	MAR	\$137.62	\$149.21	\$90.67	92%	2,364,017	4.8%	-1.9%	20.1%	52.0%
N	Hyatt Hotels Corporation	Н	\$77.97	\$83.02	\$54.38	94%	925,010	4.2%	-1.3%	27.5%	44.8%
UW	Choice Hotels	СНН	\$81.50	\$85.35	\$59.60	95%	258,364	1.8%	-2.0%	21.0%	33.3%
N	Belmond	BEL	\$11.10	\$14.20	\$10.75	78%	386,689	0.9%	-8.4%	-16.8%	-6.2%
OW	Extended Stay America	STAY	\$20.41	\$21.28	\$16.27	96%	1,685,799	1.6%	2.6%	1.8%	24.3%
OW	Hilton Grand Vacations	HGV	\$43.90	\$47.75	\$30.71	92%	1,218,454	1.4%	-2.2%	NA	NA
	JPM Lodging C-Corp Universe					91%		3%	-2%	11%	32%
	Lodging REITs										
UW	Host Hotels & Resorts	HST	\$19.46	\$21.53	\$17.22	90%	7,041,141	7.0%	4.2%	2.0%	11.1%
OW	Park Hotels & Resorts	PK	\$28.50	\$29.93	\$23.91	95%	2,585,209	7.0%	6.4%	3.0%	NM
UW	LaSalle Hotel Properties	LHO	\$30.89	\$31.75	\$24.10	97%	2,376,426	8.0%	20.8%	5.8%	14.1%
N	Ryman Hospitality Properties	RHP	\$79.66	\$80.04	\$57.78	100%	333,007	2.9%	5.5%	25.2%	33.7%
UW	Sunstone Hotel Investors	SHO	\$15.84	\$17.46	\$14.09	91%	2,235,238	7.9%	5.2%	-2.7%	8.5%
UW	Chesapeake Lodging Trust	CHSP	\$29.40	\$29.98	\$22.55	98%	300,192	4.9%	10.0%	6.3%	30.6%
	JPM Lodging REITs Universe					95%		6.3%	8.7%	6.6%	19.6%
	S&P 500		2,694	2,872.87	2,335.05	94%		2.5%	-1.5%	6.8%	17.9%

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered

**Table 6: Cruise Lines Recent Share Price Trends and Returns** 

			Price	52 \	<b>V</b> eek	% of 52-Week	Avg. Daily Volume Last		Return	in the Last	
Rating	Company	Ticker	4/19/2018	High	Low	– High	90 Days	Week	Month	6 Mos.	12 Mos.
	Cruise Lines										
N	Carnival Corporation	CCL	\$65.06	\$72.70	\$58.81	89%	3,502,447	2.1%	-3.8%	0.2%	13.7%
OW	Royal Caribbean	RCL	117.98	135.65	96.32	87%	1,522,525	2.8%	-5.2%	-1.6%	25.4%
OW	Norwegian Cruise Lines	NCLH	54.96	61.48	47.76	89%	2,142,049	3.0%	-0.8%	1.5%	11.7%
	Cruise Lines					89%		2.6%	-3.3%	0.0%	16.9%
	S&P 500		2,694	2,873	2,335	94%		1.1%	-0.6%	6.1%	17.5%

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NR = Not Rated

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com

**Table 7: Gaming Universe Historical Returns** 

\$ in millions

			Price							Share Pric	e Returns											
Rating	Company	Ticker	4/19/2018	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018TD
	Gaming Operators																					
N	Las Vegas Sands	LVS	73.84	_	_	_	_	_	-18%	127%	15%	-94%	152%	208%	-7%	17%	75%	-24%	-21%	29%	36%	7%
OW	MGM Resorts Intl	MGM	35.56	12%	2%	14%	14%	93%	1%	56%	47%	-84%	-34%	63%	-30%	12%	102%	-9%	6%	27%	17%	7%
OW	Wynn Resorts <sup>(1)</sup>	WYNN	191.65	_	_	1%	114%	139%	-18%	83%	25%	-62%	46%	93%	12%	11%	81%	-21%	-52%	28%	98%	14%
OW	Boyd Gaming	BYD	35.03	-41%	89%	116%	16%	161%	16%	-4%	-24%	-86%	77%	27%	-30%	-11%	70%	13%	55%	2%	75%	0%
OW	Red Rock Resorts	RRR	30.31	4%	-28%	58%	73%	79%	24%	20%	10%									20%	48%	-10%
NR	Penn National Gaming	PENN	27.37	13%	198%	5%	46%	162%	9%	26%	43%	-64%	27%	29%	8%	29%	29%	-4%	17%	-14%	127%	-13%
NR	Pinnacle Entertainment	PNK	31.15	-40%	-55%	15%	34%	112%	25%	34%	-29%	-67%	17%	56%	-28%	56%	64%	-14%	40%	26%	126%	-5%
N	Churchill Downs	CHDN	251.50	34%	26%	5%	-3%	24%	-17%	18%	27%	-24%	-6%	18%	22%	29%	36%	7%	50%	7%	56%	8%
OW	Eldorado Resorts	ERI	40.80																172%	54%	96%	23%
OW	Melco Resorts and Ent.	MLCO	31.37	_	_	_	_	_	_	_	-46%	-73%	6%	89%	51%	75%	133%	-34%	-33%	-1%	101%	9%
	Harrah's	HET		0%	40%	7%	27%	38%	9%	19%	9%	_	_	_	_	_	_	_	_	_	_	_
	Kerzner International	KZL		23%	7%	-21%	94%	54%	14%	_	_	_	_	_	_	_	_	_	_	_	_	_
	Aztar	AZR		19%	41%	-22%	58%	55%	-13%	79%	_	_	_	_	_	_	_	_	_	_	_	_
NC	Caesars	CZR	11.65	96%	-5%	-8%	29%	86%	-16%	_	_	_	_	_	_	_	_	_	-50%	8%	49%	-8%
	Avg JPM Universe Gaming (	Operators		-3%	39%	31%	42%	110%	3%	45%	8%	-69%	36%	73%	0%	27%	74%	-11%	26%	18%	78%	4%
	Avg. Gaming Operators			10%	32%	16%	50%	98%	3%	49%	8%	-69%	36%	73%	0%	27%	74%	-11%	18%	17%	75%	3%
	Gaming REITs																					
OW	Gaming & Lesiure Properties	GLPI	34.47														11%	-17%	2%	19%	30%	-5%
OW	MGM Growth Properties	MGP	28.12																	25%	22%	-2%
	Avg. Gaming REITS																11%	-17%	2%	22%	26%	-4%
	Gaming Equipment & Lottery																					
N	Scientfic Games	SGMS	49.75	-9%	197%	-17%	134%	40%	14%	11%	10%	-47%	-17%	-32%	-3%	-11%	95%	-25%	-30%	56%	266%	-3%
	GTECH Holding Corp.	GTK		-7%	120%	23%	79%	6%	24%	_	_	_	_	_	_	_	_	_	_	_	_	_
OW*	Aristocrat Gaming	ALL AU	25.17	_	_	_	_	_	15%	36%	-20%	-73%	52%	-26%	-26%	43%	49%	40%	56%	52%	53%	6%
NC	International Game Technology	IGT	28.01	_	_	_	88%	-4%	-10%	50%	-5%	-73%	58%	-6%	-3%	-18%	28%	-5%	-6%	64%	8%	6%
	Avg JPM Universe Gaming	Equipment S	uppliers	-9%	197%	-17%	134%	40%	14%	24%	-5%	-60%	17%	-29%	-15%	16%	72%	8%	13%	54%	160%	2%
	Avg Gaming Equipment Su	ppliers		-8%	158%	3%	100%	14%	11%	32%	-5%	-64%	31%	-21%	-11%	5%	57%	3%	7%	57%	109%	3%
	S&P 500	SPX	2693.13	-10%	-13%	-23%	26%	9%	3%	14%	4%	-38%	23%	13%	0%	13%	30%	11%	-1%	10%	19%	1%

<sup>1. 2006</sup> and 2007 Share price returns include impact of \$6 distribution to shareholders, 2009 Share price returns include impact of \$4 distribution to shareholders, and 2011 Share price returns include impact of \$5 distribution to Shareholders.

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered

<sup>2.</sup> IPO Price as of October 9, 2009 of \$10.08

<sup>3.</sup> PNK 2016 calculation based on time-weighted average.

<sup>4.</sup> ALL AU is OW Rated by JPM Australia Analyst Donald Carducci.

**Table 8: Lodging Universe Historical Returns** 

			Price	1									Return												
Rating	Company	Ticker	4/19/2018	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018TD
	Lodging C-Corps																								
OW	Hilton Worldwide	HLT	\$81.98	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	17%	-18%	11%	44%	3%
OW	Marriott International	MAR	\$137.62	-53%	12%	10%	35%	-3%	-18%	42%	37%	7%	43%	-28%	-42%	42%	53%	-25%	30%	34%	60%	-13%	25%	66%	2%
N	Hyatt Hotels Corporation 2	Н	\$77.97	_	_	_	_	_	_	_	_	_	_	_	_	19%	54%	-18%	2%	28%	22%	-22%	18%	33%	6%
UW	Choice Hotels	CHH	\$81.50	_	-14%	25%	-20%	62%	2%	55%	67%	46%	2%	-20%	-7%	8%	23%	2%	20%	49%	16%	-9%	13%	40%	5%
N	Belmond	BEL	\$11.10	-	_	_	12%	-16%	-25%	22%	26%	54%	51%	22%	-87%	32%	28%	-42%	56%	29%	-18%	-23%	41%	-8%	-9%
OW	Extended Stay America	STAY	\$20.41	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	-25%	-13%	7%	23%	9%
OW	Hilton Grand Vacations	HGV	\$43.90																					61%	5%
	JPM Lodging C-Corp Unive	erse		5%	-20%	14%	20%	7%	-15%	43%	49%	29%	27%	-16%	-53%	70%	46%	-12%	29%	37%	18%	-17%	17%	39%	2%
	Lodging REITs																								
UW	Host Hotels & Resorts <sup>3</sup>	HST	\$19.46	_	_	_	71%	-25%	-2%	39%	41%	12%	34%	-27%	-53%	58%	54%	-17%	8%	27%	26%	-32%	29%	10%	-1%
OW	Park Hotels & Resorts	PK	\$28.50																					14%	1%
UW	LaSalle Hotel Properties	LHO	\$30.89	_	_	26%	44%	-19%	23%	40%	78%	19%	30%	-27%	-62%	93%	26%	-7%	8%	26%	36%	-34%	30%	-2%	12%
N	Ryman Hospitality Properties	RHP	\$79.66	_	-4%	2%	-30%	18%	-16%	45%	39%	5%	17%	-21%	-73%	82%	82%	-33%	90%	14%	32%	3%	29%	15%	17%
UW	Sunstone Hotel Investors	SHO	\$15.84	_	_	_	_	_	_	_	_	34%	5%	-28%	-59%	43%	16%	-21%	31%	26%	27%	-15%	28%	13%	-4%
UW	Chesapeake Lodging Trust <sup>4</sup>	CHSP	\$29.40	_	_	_	_	_	_	_	_	_	_	_	_	_	-6%	-13%	42%	26%	53%	-29%	10%	11%	10%
	JPM Lodging REITs Univer	se			-16%	5%	34%	-12%	-6%	30%	48%	20%	21%	-24%	-71%	64%	64%	-21%	36%	35%	36%	-23%	23%	8%	6%
	S&P 500		2,694.40	31%	27%	20%	-10%	-13%	-23%	26%	9%	3%	14%	4%	-38%	23%	13%	0%	13%	30%	11%	-1%	10%	19%	1%

 <sup>2006</sup> share price performance considers a \$13.16 share price adjustment to account for direct distributions to shareholders as part of transaction with HST.
 2.2009 share price performance is as of November 4, 2009 when the IPO priced at \$25 per share.
 3.2006 share price performance considers a \$0.05 per share special dividend distributions to shareholders.
 4.2010 share price performance is as of January 21, 2010 when the IPO priced at \$20 per share.
 Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered

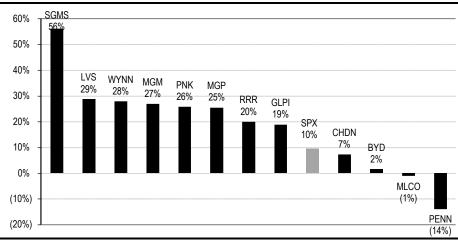
**Table 9: Cruise Lines Historical Returns** 

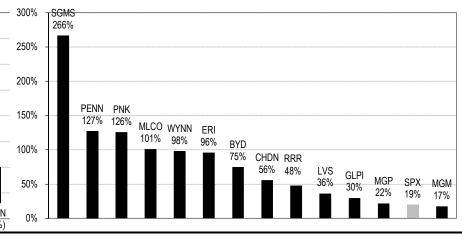
Rating	Company	Ticker	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018YTD
	Cruise Lines												
N	CCL	CCL	-45%	30%	46%	-29%	13%	9%	13%	20%	-4%	27%	-2%
OW	RCL	RCL	-68%	84%	86%	-47%	37%	39%	74%	23%	-19%	45%	-1%
OW	NCLH	NCLH	_	_	_	_	_	87%	32%	25%	-27%	25%	3%
	Simple Average		-56%	57%	66%	-38%	25%	45%	40%	23%	-17%	33%	0%
	S&P 500	SPX	-38%	23%	13%	0%	13%	30%	11%	-1%	10%	19%	1%

NCLH 2013 return based off of IPO price (\$19).
Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered

Figure 1: Gaming Universe 2016 Share Price Returns

Figure 2: Gaming Universe 2017 Share Price Returns



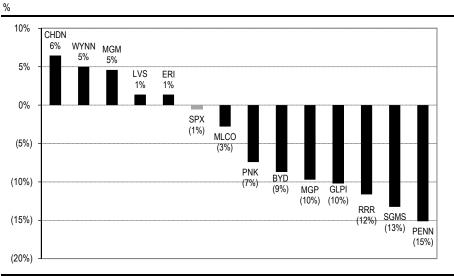


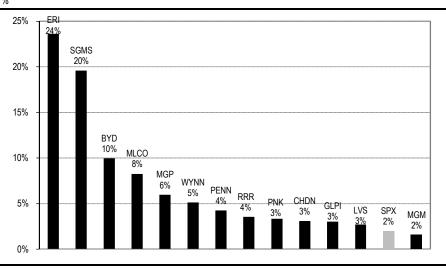
Source: Bloomberg, company reports, J.P. Morgan estimates.

Source: Bloomberg, company reports, J.P. Morgan estimates.

Figure 3: Gaming Universe 1Q18 Share Price Returns

Figure 4: Gaming Universe 2Q18TD Share Price Returns %



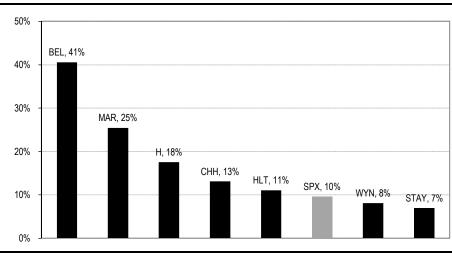


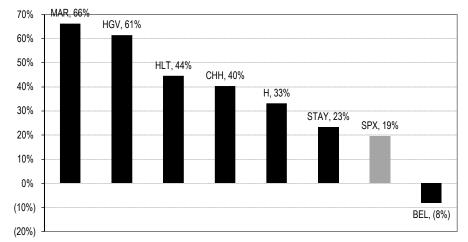
Source: Bloomberg, company reports, J.P. Morgan estimates.

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Figure 5: Lodging C-Corp Universe 2016 Share Price Returns

Figure 6: Lodging C-Corp Universe 2017 Share Price Returns



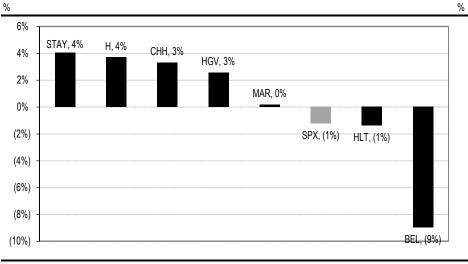


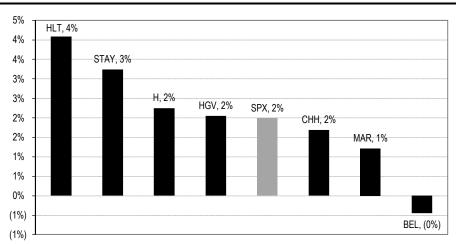
Source: Bloomberg, company reports, J.P. Morgan estimates.

Source: Bloomberg, company reports, J.P. Morgan estimates.

Figure 7: Lodging C-Corp Universe 1Q18 Share Price Returns

Figure 8: Lodging C-Corp Universe 2Q18TD Share Price Returns





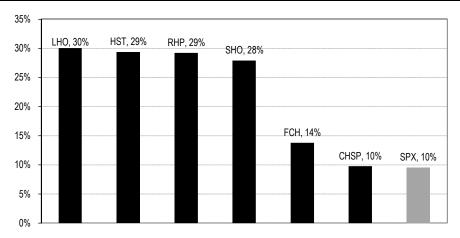
Source: Bloomberg, company reports, J.P. Morgan estimates.

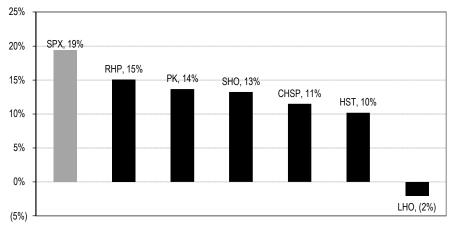
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Figure 9: Lodging REIT Universe 2016 Share Price Returns



%





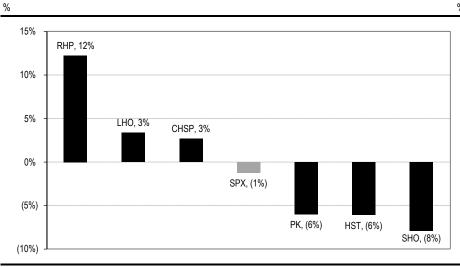
Source: Bloomberg, company reports, J.P. Morgan estimates.

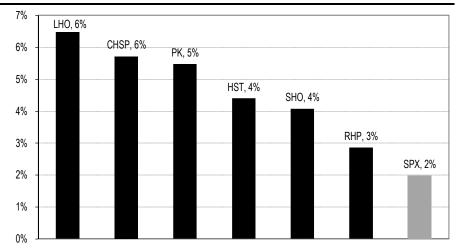
Source: Bloomberg, company reports, J.P. Morgan estimates.

Figure 12: Lodging REIT Universe 2Q18TD Share Price Returns

#### Figure 11: Lodging REIT Universe 1Q18 Share Price Returns

%

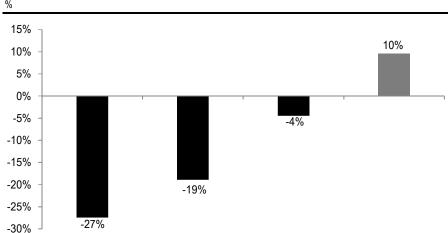




Source: Bloomberg, company reports, J.P. Morgan estimates.

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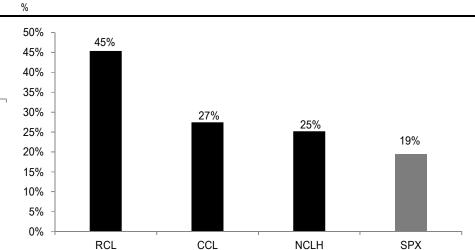
Figure 13: Cruise Lines 2016 Share Price Returns



CCL

**RCL** 

Figure 14: Cruise Lines 2017 Share Price Returns



Source: Bloomberg, company reports, J.P. Morgan estimates.

**NCLH** 

Source: Bloomberg, company reports, J.P. Morgan estimates.

Figure 15: Cruise Lines 1Q18 Share Price Returns



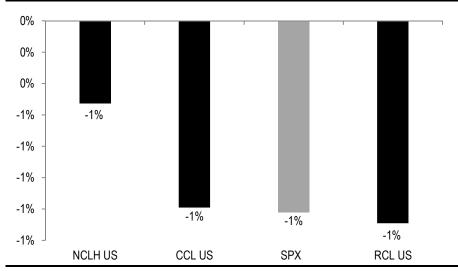
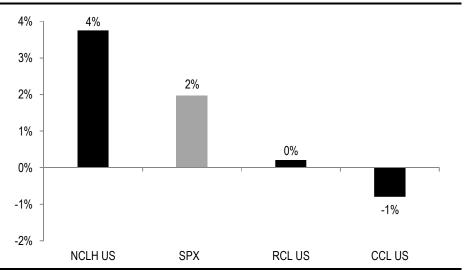


Figure 16: Cruise Lines 2Q18TD Share Price Returns



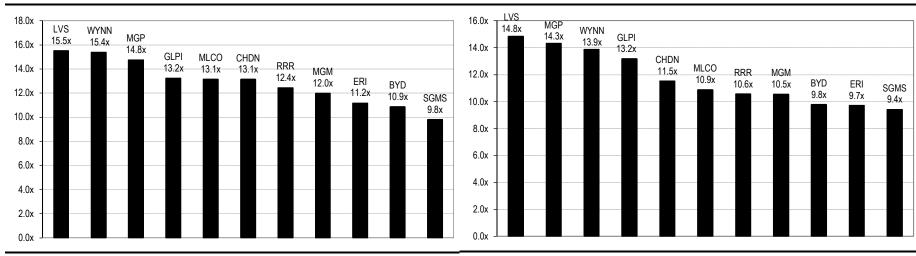
SPX



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Figure 17: Gaming Universe 2018E EBITDA Multiples

Figure 18: Gaming Universe 2019E EBITDA Multiples

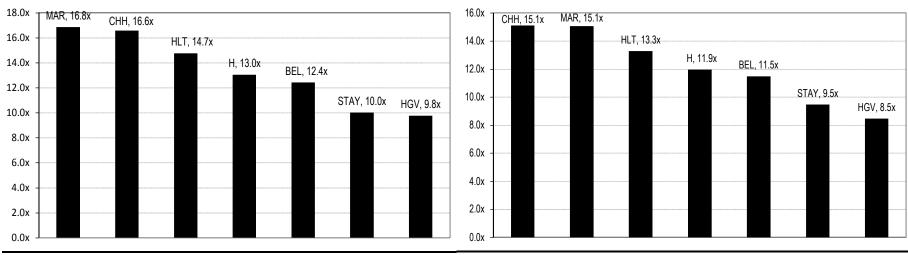


Note: For PENN, our EV/EBITDA multiple excludes the impact of the financial obligation related to its capitalized lease. Source: Bloomberg, company reports, J.P. Morgan estimates.

Note: For PENN, our EV/EBITDA multiple excludes the impact of the financial obligation related to its capitalized lease. Source: Bloomberg, company reports, J.P. Morgan estimates.

Figure 19: Lodging C-Corp Universe 2018E EBITDA Multiples

Figure 20: Lodging C-Corp Universe 2019E EBITDA Multiples

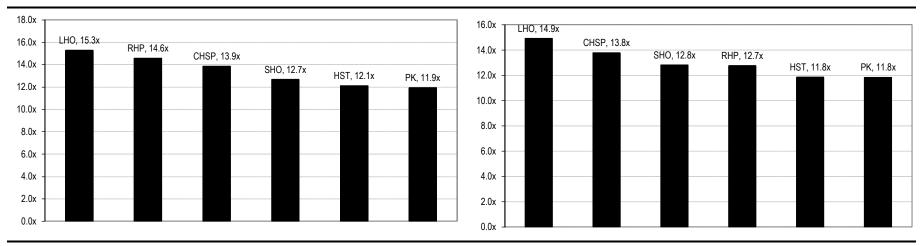


Source: Bloomberg, company reports, J.P. Morgan estimates.

Source: Bloomberg, company reports, J.P. Morgan estimates.

Figure 21: Lodging REIT Universe 2018E EBITDA Multiples

Figure 22: Lodging REIT Universe 2019E EBITDA Multiples

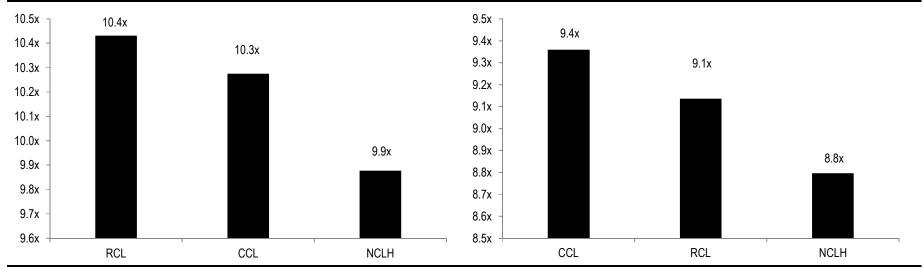


Source: Bloomberg, company reports, J.P. Morgan estimates.

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Figure 23: Cruise Lines 2018E EBITDA Multiples

Figure 24: Cruise Lines 2019E EBITDA Multiples



Source: Bloomberg, company reports, J.P. Morgan estimates.

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com

**Table 10: Gaming Universe EBITDA Growth Projections** 

\$ in millions

			EBITD/	A Growth	
Rating	Company	2016	2017	2018E	2019E
	Gaming Operators				
N	Las Vegas Sands	-3%	22%	7%	4%
OW	MGM Resorts Int'l	7%	19%	4%	10%
OW	Wynn Resorts	6%	47%	23%	12%
NR	Red Rock Resorts	7%	2%	1%	14%
OW	Boyd Gaming	-11%	7%	3%	5%
NR	Penn National	12%			
NR	Pinnacle Entertainment	6%			
OW	Melco Resorts and Ent	19%	32%	17%	13%
N	Churchill Downs	11%	3%	-10%	7%
OW	Eldorado Resorts	N/A	10%	15%	9%
	Simple Avg Operators	6%	18%	8%	9%
OW	Gaming & Leisure Properties	64%	23%	0%	-1%
OW	MGM Growth Properties		65%	12%	2%
	Simple Avg Gaming REITs	64%	44%	6%	1%
	Gaming Equip. & Lottery	<u>2016</u>	<u>2017</u>	<u>2018E</u>	2019E
N	Scientific Games	3%	11%	5%	4%
	Simple Avg Suppliers	3%	11%	5%	4%

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered NA = Not Applicable; NM = Not Meaningful

Note: For WYNN, our adjusted net debt and EBITDA calculations back out 27.7% stake of WYNN Macau.

Note: For LVS, our adjusted net debt and EBITDA calculations back out 29.7% stake of Sands China.

Note: For MLCO, our adjusted net debt and EBITDA calculations back out 40.0% state of Studio City

Note: For BYD, our EBITDA/EPS estimates do not include any impact from its acquisitions announced in December 2017.

Note: For PNK, our 2016-2018 EBITDA growth calculation is pre-FAS 123 and rent expense.

**Table 11: Lodging EBITDA Growth Projections** 

\$ in millions

			BITDA Gro	wth
Rating	Company	2017	2018E	2019E
	Lodging C-Corps			
OW	Hilton Worldwide	11%	9%	7%
OW	Marriott International	8%	6%	9%
N	Hyatt Hotels Corporation	4%	0%	7%
UW	Choice Hotels	16%	11%	8%
N	Belmond	-3%	15%	6%
OW	Extended Stay America	1%	-2%	2%
OW	Hilton Grand Vacations	-8%	34%	9%
	Mean - Lodging C-Corps	4%	10%	7%
	Lodging REITs			
UW	Host Hotels & Resorts	2%	1%	2%
OW	Park Hotels & Resorts	-7%	-4%	1%
UW	LaSalle Hotel Properties	-14%	-13%	2%
N	Ryman Hospitality Properties	3%	4%	12%
UW	Sunstone Hotel Investors	3%	-6%	-1%
UW	Chesapeake Lodging Trust	-8%	5%	-1%
	Mean - Lodging REITS	-4%	-2%	3%

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered

Source: Bloomberg, company reports, J.P. Morgan estimates.

**Table 12: Cruise Lines EBITDA Growth Projections** 

\$ in millions

			EBITD	A Growth	
Rating	Company	<u>2016</u>	<u>2017</u>	<u>2018E</u>	<u>2019E</u>
	Cruise Industry				
N	CCL	15%	4%	10%	11%
OW	RCL	16%	14%	12%	11%
OW	NCLH	18%	15%	14%	9%
	Mean - Cruise Lines & Leisure	16%	11%	12%	10%

Note: CCL FY2016 is Actuals. Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered

**Table 13: Gaming Universe P/E Multiples** 

\$ in millions

			EPS			P/E		Pren	nium to S&F	500		EPS Growth	1		PEG Ratio	0
Rating	Company	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E
N	Las Vegas Sands	\$3.04	\$3.33	\$3.48	24.3	22.2	21.2	18%	29%	36%	32%	9%	5%	0.8x	NM	4.5x
OW	MGM Resorts Infl	3.43	1.08	1.74	10.4	33.0	20.5	-50%	92%	31%	78%	-69%	62%	NM	NM	0.3x
OW	Wynn Resorts	5.34	7.60	9.38	35.9	25.2	20.4	74%	46%	31%	58%	43%	23%	0.6x	0.6x	0.9x
OW	Boyd Gaming	1.03	1.13	1.49	34.1	30.9	23.5	65%	80%	50%	5%	10%	32%	NM	3.0x	0.7x
OW	Red Rock Resorts	0.43	1.18	1.59	70.2	25.6	19.1	240%	49%	22%	NM	NM	34%	NM	NM	0.6x
NR	Penn National															
NR	Pinnacle Entertainment															
OW	Melco Resorts and Ent.	0.70	1.10	1.38	44.7	28.6	22.7	117%	66%	46%	101%	56%	26%	NM	NM	0.9x
N	Churchill Downs	8.54	10.61	12.44	29.5	23.7	20.2	43%	38%	30%	34%	24%	17%	0.9x	1.0x	1.2x
OW	Eldorado Resorts	NM	0.95	1.45	NM	43.0	28.1	NM	150%	80%	NM	NM	53%	NM	NM	NM
	Overall Gaming Operators	Avg.			35.6x	29.0x	22.0x	72%	69%	41%	51%	12%	32%			
OW	Gaming & Leisure Prop	1.79	2.00	2.20	19.3	17.2	15.7	-7%	0%	1%	16%	12%	10%	1.2x	1.5x	1.6x
OW	MGM Growth Properties	0.67	0.92	0.96	42.0	30.6	29.2	104%	78%	87%	30%	37%	5%	1.4x	0.8x	6.2>
	Overall Gaming REITs Avg	J.			30.6x	23.9x	22.4x	48%	39%	44%	23%	25%	7%			
	Gaming Equipment & Lotte	ry														
N	Scientfic Games	(\$2.16)	\$0.25	\$2.28	NA	NA	21.8	NA	NA	40%	NA	NA	NA	NA	NA	NA
	Gaming Equipment Supp	liers Avg.			NA	NA	NA	NA	NA	NA	NA	NA	NA			
	S&P 500	130.5	156.4	172.7	20.6x	17.2x	15.6x									

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered NA = Not Applicable; NM = Not Meaningful Note: S&P 500 P/E multiples based on consensus estimates for 2017, 2018, and 2019.

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com

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**Table 14: Lodging Universe P/E Multiples** 

\$ in millions

			Price		EPS			P/E		Premi	ium to S&P	500 <sup>(1)</sup>	EI	PS Growth	(1)
Rating	Company	Ticker	4/19/2018	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E
	Lodging C-Corps														
OW	Hilton Hotels	HLT	81.98	3.89	2.63	3.06	21.1	31.1	26.8	-7%	81%	72%	NM	-32%	16%
OW	Marriott International	MAR	137.62	4.35	5.31	6.26	31.6	25.9	22.0	40%	50%	41%	20%	22%	18%
N	Hyatt Hotels Corporation	Н	77.97	1.97	1.38	1.79	39.6	56.5	43.5	NM	NM	NM	30%	-30%	30%
UW	Choice Hotels	СНН	81.50	2.87	3.31	3.76	28.4	24.6	21.7	26%	43%	39%	17%	16%	13%
N	Belmond	BEL	11.10	-0.44	0.20	0.23	-25.2	56.1	49.2	NM	NM	NM	NM	NM	NM
OW	Extended Stay America	STAY	20.41	0.40	1.08	1.19	50.5	18.8	17.2	123%	9%	10%	19%	168%	9%
OW	Hilton Grand Vacations	HGV	43.90	3.00	3.02	3.35	14.6	14.6	13.1	-35%	-16%	-16%	77%	0%	11%
	Mean - Lodging C-Corps						22.4x	30.6x	26.2x	22%	28%	25%	28%	22%	15%
	Lodging REITs														
UW	Host Hotels & Resorts	HST	19.46	1.70	1.67	1.70	11.5	11.7	11.4	-49%	-32%	-27%	0%	-2%	2%
OW	Park Hotels & Resorts	PK	28.50	2.78	2.65	2.65	10.2	10.8	10.7	-55%	-37%	-31%	NA	-5%	0%
UW	LaSalle Hotel Properties	LHO	30.89	2.47	2.12	2.16	12.5	14.5	14.3	-45%	-16%	-8%	-15%	-14%	2%
N	Ryman Hospitality Properties	RHP	79.66	4.86	5.75	6.79	16.4	13.9	11.7	-28%	-20%	-25%	-11%	18%	18%
UW	Sunstone Hotels	SHO	15.84	1.22	1.11	1.10	13.0	14.2	14.3	-43%	-17%	-8%	1%	-9%	-1%
UW	Chesapeake Lodging Trust	CHSP	29.40	2.17	2.40	2.40	13.5	12.2	12.2	-40%	-29%	-22%	-9%	11%	0%
	Mean - Lodging REITS						12.9x	12.9x	12.5x	-43%	-25%	-20%	-7%	0%	4%
	S&P 500		2694.40	119.14	156.35	172.68	22.6x	17.2x	15.6x				0%	31%	10%

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered Note: S&P 500 P/E multiples based on consensus estimates for 2017, 2018, and 2019. Note: Earnings estimates for Lodging REITs (HST, LHO, SHO, BEE and CHSP) represent FFO per share.

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com

J.P.Morgan

**Table 15: Cruise Lines P/E Multiples** 

\$ in millions

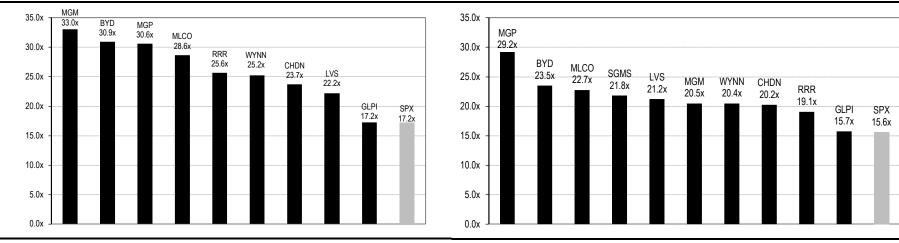
			EPS			P/E		Premium	(Discount) t	to S&P 500		EPS Growtl	1		PEG Ratio	
Rating	Company	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E
N	Carnival Corporation	\$3.82	\$4.40	\$5.14	17.0x	14.8x	12.7x	-17%	-14%	-19%	10%	15%	17%	1.7x	1.0x	0.8x
OW	Royal Caribbean	\$7.53	\$8.66	\$10.02	15.7x	13.6x	11.8x	-24%	-21%	-24%	24%	15%	16%	0.7x	0.9x	0.7x
OW	Norwegian Cruise Lines	\$3.57	\$4.19	\$4.80	15.4x	13.1x	11.5x	-25%	-24%	-27%	15%	17%	14%	1.0x	0.8x	0.8x
	S&P 500	130.5	156.3	172.7	20.6x	17.2x	15.6x									

Rating Key: OW = Overweight; N = Neutral; UW = Underweight; NC = Not Covered NA = Not Applicable; NM = Not Meaningful Note: S&P 500 P/E multiples based on consensus estimates for 2017, 2018, and 2019

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Figure 25: Gaming Universe 2018E P/E Multiples

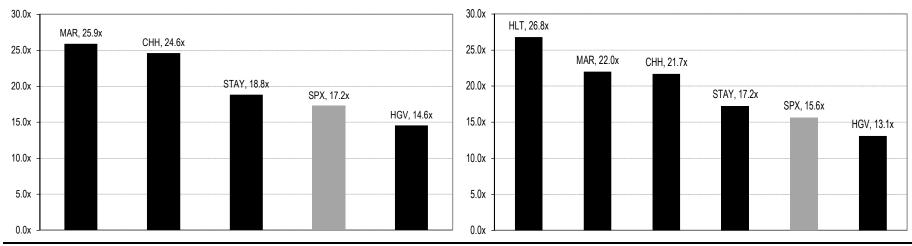
Figure 26: Gaming Universe 2019E P/E Multiples



Source: Bloomberg, company reports, J.P. Morgan estimates.

Figure 27: Lodging C-Corp Universe 2018E P/E Multiples

Figure 28: Lodging C-Corp Universe 2019E P/E Multiples



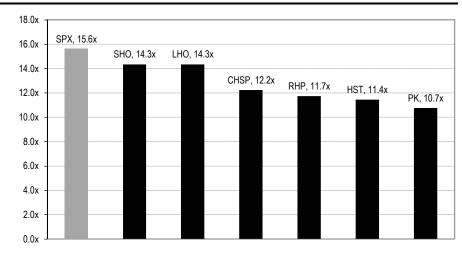
Source: Bloomberg, company reports, J.P. Morgan estimates.

Source: Bloomberg, company reports, J.P. Morgan estimates.

Figure 29: Lodging REIT 2018E FFO Multiples

20.0x SPX, 17.2x 18.0x 16.0x LHO, 14.5x SHO, 14.2x RHP, 13.9x 14.0x CHSP, 12.2x HST, 11.7x 12.0x PK, 10.8x 10.0x 8.0x 6.0x 4.0x 2.0x 0.0x

Figure 30: Lodging REIT Universe 2019E FFO Multiples

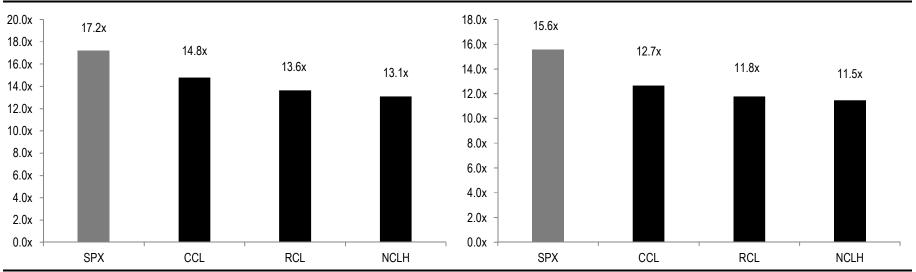


Source: Bloomberg, company reports, J.P. Morgan estimates.

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Figure 31: Cruise Lines 2018E P/E Multiples

Figure 32: Cruise Lines 2019E P/E Multiples



Source: Bloomberg, company reports, J.P. Morgan estimates.

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com J.P.Morgan

**Table 16: Gaming Universe Balance Sheet Items** 

\$ in millions

					Gaminç	Operators					Gaming	REITs	Gaming Equipment
Balance Sheet Items (MRQ)	MGM	WYNN	LVS	MLCO	BYD	PENN	PNK	CHDN	RRR	ERI	GLPI	MGP	SGMS
Cash	\$1,500	\$3,134	\$0	\$1,464	\$203	\$278	\$184	\$52	\$231	\$135	\$29	\$260	\$789
Debt	13,018	\$9,566	\$2,430	\$3,558	\$3,120	\$1,250	\$822	1,142	\$2,618	\$2,200	\$4,481	\$3,991	\$8,869
Equity	7,651	\$948	\$2,430	\$2,094	\$2,917	\$272	(\$321)	918	\$2,386	\$2,065	245224%	\$6,068	(\$2,027)
Book Value	\$13.43	\$9.34	\$3.05	\$3.87	\$25.74	\$2.99	(\$5.12)	\$52.19	\$20.57	\$26.49	\$20.56	\$24.98	(\$23.60)
Current Price	35.56	191.65	73.84	31.37	35.03	27.37	31.15	251.50	30.31	40.80	34.47	28.12	49.75
Price to Book	2.6x	NM	24.2x	8.1x	1.4x	NM	NM	4.8x	1.5x	1.5x	1.7x	1.1x	NM
Credit Statistics													
Debt to Total Capital	63%	91%	50%	63%	52%	82%	164%	55%	52%	52%	65%	40%	130%
Gross Debt/ EBITDA	4.6x	5.7x	327.0x	2.8x	5.2x	3.2x	2.8x	3.3x	5.3x	5.6x	5.1x	6.0x	7.2x
Net Debt / EBITDA	4.1x	3.9x	2.1x	1.6x	4.9x	2.5x	2.2x	3.2x	4.8x	5.2x	5.0x	5.6x	6.6x
EBITDA/Interest Expense	4.2x	4.7x	1.6x	5.4x	3.5x	1.8x	5.9x	7.0x	3.8x	3.3x	4.1x	3.7x	2.0x
Updated as of:	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q

Note: For PENN and PNK, calculations exclude the impact of the financial obligation. NA = Not Applicable; NM = Not Meaningful

**Table 17: Gaming Universe Balance Sheet Items Detailed** 

			Gross Debt			Net Debt			EBITDA		Gı	oss Debt /	EBITDA	Ne	t Debt / EB	ITDA
Rating	Company	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E
	Gaming Operators															
N	Las Vegas Sands	\$9,736	\$2,430	\$2,430	\$9,736	\$9,214	\$8,648	\$4,689	\$5,008	\$5,206	2.1x	0.5x	0.5x	2.1x	1.8x	1.7x
OW	MGM Resorts Int'l	13,018	13,064	12,387	11,518	11,959	10,566	2,837	2,961	3,270	4.6x	4.4x	3.8x	4.1x	4.0x	3.2x
OW	Wynn Resorts	3,134	3,134	3,134	9,566	9,298	9,433	1,664	2,043	2,285	1.9x	1.5x	1.4x	5.7x	4.6x	4.1x
OW	Boyd Gaming	3,120	2,851	2,506	2,917	2,648	2,302	596	615	648	5.2x	4.6x	3.9x	4.9x	4.3x	3.6x
NR	Penn National															
NR	Pinnacle Entertainment															
OW	Red Rock Resorts	2,618	2,970	2,767	2,386	2,739	2,535	496	504	574	5.3x	5.9x	4.8x	4.8x	5.4x	4.4x
OW	Melco Resorts and Ent	3,558	3,558	3,558	2,094	1,512	587	1,285	1,500	1,693	2.8x	2.4x	2.1x	1.6x	1.0x	0.3x
N	Churchill Downs	1,142	652	500	1,090	602	397	344	310	332	3.3x	2.1x	1.5x	3.2x	1.9x	1.2x
OW	Eldorado Resorts	2,200	2,026	1,798	2,065	1,891	1,663	395	454	495	5.6x	4.5x	3.6x	5.2x	4.2x	3.4x
	Simple Avg Operators										3.8x	3.2x	2.7x	4.0x	3.4x	2.7x
OW	Gaming & Leisure Prop	4,481	4,348	4,216	4,452	4,319	4,187	885	887	883	5.1x	4.9x	4.8x	5.0x	4.9x	4.7x
OW	MGM Growth Properties	3,991	3,866	3,738	3,732	3,606	3,478	670	751	765	6.0x	5.1x	4.9x	5.6x	4.8x	4.5x
	Simple Avg Gaming RE	ITs									5.5x	5.0x	4.8x	5.3x	4.8x	4.6x
	Gaming Equipment & Lot	ttery														
N	Scientific Games	\$8,869	\$8,963	\$8,300	\$8,081	\$8,174	\$7,511	\$1,225	\$1,290	\$1,343	7.2x	6.9x	6.2x	6.6x	6.3x	5.6x
	Simple Avg Equipment	Suppliers									7.2x	6.9x	6.2x	6.6x	6.3x	5.6x

		EBITDA		Int	erest Expe	nse	EBITD	A / Interest I	Expense	
Company	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	
Gaming Operators										
Las Vegas Sands	\$4,689	\$5,008	\$5,206	\$327	\$339	\$341	14.3x	14.8x	15.3x	
MGM Resorts Int'l	2,837	2,961	3,270	669	723	700	4.2x	4.1x	4.7x	
Wynn Resorts	1,664	2,043	2,285	389	409	394	4.3x	5.0x	5.8x	
Boyd Gaming	596	615	648	171	178	168	3.5x	3.5x	3.9x	
Penn National										
Pinnacle Entertainment										
Red Rock Resorts	496	504	574	131	143	144	3.8x	3.5x	4.0x	
Melco Crown	1,285	1,500	1,693	226	240	261	5.7x	6.3x	6.5x	
Churchill Downs	344	310	332	49	41	31	7.0x	7.5x	10.8x	
Eldorado Resorts	395	454	495	NM	116	107	NM	3.9x	4.6x	
Simple Avg Operators							6.1x	6.1x	6.9x	
Gaming & Leisure Prop	885	887	883	215	215	210	4.1x	4.1x	4.2x	
MGM Growth Properties	670	751	765	180	172	174	3.7x	4.4x	4.4x	
Simple Avg Gaming RE	lTs						3.9x	4.2x	4.3x	
0	U									
Scientific Games	\$1,225	\$1,290	\$1,343	\$610	\$566	\$410	2.0x	2.3x	3.3x	
Simple Avg Equipment	Suppliers						2.0x	2.3x	3.3x	
	Gaming Operators  Las Vegas Sands  MGM Resorts Int'l  Wynn Resorts  Boyd Gaming  Penn National  Pinnacle Entertainment  Red Rock Resorts  Melco Crown  Churchill Downs  Eldorado Resorts  Simple Avg Operators  Gaming & Leisure Prop  MGM Growth Properties  Simple Avg Gaming RE  Gaming Equipment Supp  Scientific Games  Simple Avg Equipment	Gaming Operators           Las Vegas Sands         \$4,689           MGM Resorts Int'l         2,837           Wynn Resorts         1,664           Boyd Gaming         596           Penn National         Pinnacle Entertainment           Red Rock Resorts         496           Melco Crown         1,285           Churchill Downs         344           Eldorado Resorts         395           Simple Avg Operators           Gaming & Leisure Prop         885           MGM Growth Properties         670           Simple Avg Gaming REITs           Gaming Equipment Suppliers           Scientific Games         \$1,225           Simple Avg Equipment Suppliers	Company         2017         2018E           Gaming Operators         Las Vegas Sands         \$4,689         \$5,008           MGM Resorts Int'l         2,837         2,961           Wynn Resorts         1,664         2,043           Boyd Gaming         596         615           Penn National         Pinnacle Entertainment           Red Rock Resorts         496         504           Melco Crown         1,285         1,500           Churchill Downs         344         310           Eldorado Resorts         8         395         454           Simple Avg Operators         Saming & Leisure Prop         885         887           MGM Growth Properties         670         751         Simple Avg Gaming REITs           Gaming Equipment Suppliers         Scientific Games         \$1,225         \$1,290           Simple Avg Equipment Suppliers	Company         2017         2018E         2019E           Gaming Operators         Las Vegas Sands         \$4,689         \$5,008         \$5,206           MGM Resorts Int'l         2,837         2,961         3,270           Wynn Resorts         1,664         2,043         2,285           Boyd Gaming         596         615         648           Penn National         Pinnacle Entertainment           Red Rock Resorts         496         504         574           Melco Crown         1,285         1,500         1,693           Churchill Downs         344         310         332           Eldorado Resorts         395         454         495           Simple Avg Operators         Gaming & Leisure Prop         885         887         883           MGM Growth Properties         670         751         765           Simple Avg Gaming REITs         Gaming Equipment Suppliers           Scientific Games         \$1,225         \$1,290         \$1,343           Simple Avg Equipment Suppliers	Company         2017         2018E         2019E         2017           Gaming Operators         Las Vegas Sands         \$4,689         \$5,008         \$5,206         \$327           MGM Resorts Int¹         2,837         2,961         3,270         669           Wynn Resorts         1,664         2,043         2,285         389           Boyd Gaming         596         615         648         171           Penn National         Pinnacle Entertainment         Red Rock Resorts         496         504         574         131           Melco Crown         1,285         1,500         1,693         226           Churchill Downs         344         310         332         49           Eldorado Resorts         395         454         495         NM           Simple Avg Operators           Gaming & Leisure Prop         885         887         883         215           MGM Growth Properties         670         751         765         180           Simple Avg Gaming REITs           Gaming Equipment Suppliers           Scientific Games         \$1,225         \$1,290         \$1,343         \$610	Company         2017         2018E         2019E         2017         2018E           Gaming Operators           Las Vegas Sands         \$4,689         \$5,008         \$5,206         \$327         \$339           MGM Resorts Int'l         2,837         2,961         3,270         669         723           Wynn Resorts         1,664         2,043         2,285         389         409           Boyd Gaming         596         615         648         171         178           Penn National         Pinnacle Entertainment         Red Rock Resorts         496         504         574         131         143           Melco Crown         1,285         1,500         1,693         226         240           Churchill Downs         344         310         332         49         41           Eldorado Resorts         395         454         495         NM         116           Simple Avg Operators           Gaming & Leisure Prop         885         887         883         215         215           MGM Growth Properties         670         751         765         180         172           Simple Avg Gaming REITs	Company         2017         2018E         2019E         2017         2018E         2019E           Gaming Operators           Las Vegas Sands         \$4,689         \$5,008         \$5,206         \$327         \$339         \$341           MGM Resorts Int'l         2,837         2,961         3,270         669         723         700           Wynn Resorts         1,664         2,043         2,285         389         409         394           Boyd Gaming         596         615         648         171         178         168           Penn National         Pinnacle Entertainment         Red Rock Resorts         496         504         574         131         143         144           Melco Crown         1,285         1,500         1,693         226         240         261           Churchill Downs         344         310         332         49         41         31           Eldorado Resorts         395         454         495         NM         116         107           Simple Avg Operators           Gaming & Leisure Prop         885         887         883         215         215         210	Company         2017         2018E         2019E         2017         2018E         2019E         2017           Gaming Operators         Las Vegas Sands         \$4,689         \$5,008         \$5,206         \$327         \$339         \$341         14.3x           MGM Resorts Int'l         2,837         2,961         3,270         669         723         700         4.2x           Wynn Resorts         1,664         2,043         2,285         389         409         394         4.3x           Boyd Gaming         596         615         648         171         178         168         3.5x           Penn National         Pinnacle Entertainment           Red Rock Resorts         496         504         574         131         143         144         3.8x           Melco Crown         1,285         1,500         1,693         226         240         261         5.7x           Churchill Downs         344         310         332         49         41         31         7.0x           Eldorado Resorts         395         454         495         NM         116         107         NM           Simple Avg Operators <td ro<="" td=""><td>Company         2017         2018E         2019E         2017         2018E         2019E         2017         2018E           Gaming Operators         Las Vegas Sands         \$4,689         \$5,008         \$5,206         \$327         \$339         \$341         14.3x         14.8x           MGM Resorts Int'l         2,837         2,961         3,270         669         723         700         4.2x         4.1x           Wynn Resorts         1,664         2,043         2,285         389         409         394         4.3x         5.0x           Boyd Gaming         596         615         648         171         178         168         3.5x         3.5x           Penn National         Pinnacle Entertainment         Red Rock Resorts         496         504         574         131         143         144         3.8x         3.5x           Melco Crown         1,285         1,500         1,693         226         240         261         5.7x         6.3x           Churchill Downs         344         310         332         49         41         31         7.0x         7.5x           Eldorado Resorts         395         454         495         NM</td></td>	<td>Company         2017         2018E         2019E         2017         2018E         2019E         2017         2018E           Gaming Operators         Las Vegas Sands         \$4,689         \$5,008         \$5,206         \$327         \$339         \$341         14.3x         14.8x           MGM Resorts Int'l         2,837         2,961         3,270         669         723         700         4.2x         4.1x           Wynn Resorts         1,664         2,043         2,285         389         409         394         4.3x         5.0x           Boyd Gaming         596         615         648         171         178         168         3.5x         3.5x           Penn National         Pinnacle Entertainment         Red Rock Resorts         496         504         574         131         143         144         3.8x         3.5x           Melco Crown         1,285         1,500         1,693         226         240         261         5.7x         6.3x           Churchill Downs         344         310         332         49         41         31         7.0x         7.5x           Eldorado Resorts         395         454         495         NM</td>	Company         2017         2018E         2019E         2017         2018E         2019E         2017         2018E           Gaming Operators         Las Vegas Sands         \$4,689         \$5,008         \$5,206         \$327         \$339         \$341         14.3x         14.8x           MGM Resorts Int'l         2,837         2,961         3,270         669         723         700         4.2x         4.1x           Wynn Resorts         1,664         2,043         2,285         389         409         394         4.3x         5.0x           Boyd Gaming         596         615         648         171         178         168         3.5x         3.5x           Penn National         Pinnacle Entertainment         Red Rock Resorts         496         504         574         131         143         144         3.8x         3.5x           Melco Crown         1,285         1,500         1,693         226         240         261         5.7x         6.3x           Churchill Downs         344         310         332         49         41         31         7.0x         7.5x           Eldorado Resorts         395         454         495         NM

For PENN/PNK, calculations exclude the impact of the financial obligation; PNK, GLPI, and MGP Leverage PF for 2016.

NA = Not Applicable; NM = Not Meaningful
Note: GLPI and MGP leverage and EBITDA/interest expense ratios for 2016E are based on non-pro-forma estimates

**Table 18: Lodging Universe Balance Sheet Items** 

_			Lo	dging C-Co	orps					Lodgin	g REITs		
Balance Sheet Items (MRQ)	HLT	MAR	Н	STAY	СНН	BEL	HGV	HST	PK	LHO	RHP	SHO	CHSP
Cash	\$670	\$383	\$786	\$151	\$235	\$183	\$246	\$914	\$379	\$415	\$79	\$559	\$75
Debt	6,683	\$8,238	\$1,451	\$2,542	\$727	707	482	\$3,954	3,000	1,120	1,497	\$990	\$835
Current Net Debt	6,013	7,855	665	2,391	491	524	236	3,040	2,621	705	1,418	431	760
Equity	2,075	\$3,731	\$3,531	1,346	(\$212)	699	518	\$7,002	6,011	2,532	378	2,582	1,168
Book Value (per diluted share)	6.45	10.09	28.16	7.00	-3.62	6.84	5.18	9.47	27.96	22.30	7.35	11.52	19.69
Current Price	81.98	137.62	77.97	20.41	81.50	11.10	43.90	19.46	28.50	30.89	79.66	15.84	29.40
Price to Book	12.7x	13.6x	2.8x	2.9x	NM	1.6x	8.5x	2.1x	1.0x	1.4x	10.8x	1.4x	1.5x
Total Shares Outstanding	322	370	125	192	59	102	100	740	215	114	51	224	59
Share Repurchase Authorization	16	38	11	9	4	3		26		18		19	3
% of Total	5%	10%	9%	5%	7%	3%		3%		16%		8%	6%
Credit Statistics / Info.													
Gross Debt to Total Capital	76%	69%	29%	65%	141%	50%	48%	36%	33%	31%	80%	28%	42%
Gross Debt / EBITDA (TTM)	3.5x	2.6x	1.8x	4.1x	2.5x	5.7x	1.3x	2.6x	4.0x	3.3x	4.3x	2.9x	4.9x
Net Debt / EBITDA (TTM)	3.1x	2.5x	0.8x	3.8x	1.7x	4.2x	0.6x	2.0x	3.5x	2.1x	4.1x	1.3x	4.5x
EBITDA / Interest Expense	4.7x	12.7x	10.2x	4.8x	7.3x	3.9x	13.6x	9.3x	6.1x	9.2x	6.7x	7.1x	5.1x
Updated as of:	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q	4Q

NA = Not Applicable; NM = Not Meaningful

Table 19: Lodging Universe Balance Sheet Items Detailed

			Gross Debt			Net Debt			EBITDA		Gross	Debt / EB	ITDA	Net I	Debt / EBI	TDA
Rating	g Company	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E
OW	<u>Lodging C-Corps</u> Hilton Hotels	\$6,683	\$7,536	\$7,536	\$6,026	\$6,616	\$6,794	\$1,965	\$2,138	\$2,288	3.4x	3.5x	3.3x	3.1x	3.1x	3.0x
OW	Marriott International	8,238	9,057	9,822	7,855	8,674	9,439	3,223	3,427	3,727	2.6	2.6	2.6	2.4	2.5	2.5
N	Hyatt Hotels Corporation	1,451	1,451	1,451	1,386	1,327	1,386	816	814	868	1.8	1.8	1.7	1.7	1.6	1.6
UW	Choice Hotels	841	727	855	488	616	505	294	325	350	2.9	2.2	2.4	1.7	1.9	1.4
N	Belmond	707	811	780	524	628	597	124	142	151	5.7	5.7	5.2	4.2	4.4	4.0
OW	Extended Stay	2,542	2,361	2,171	2,391	2,210	2,020	623	611	626	4.1	3.9	3.5	3.8	3.6	3.2
OW	Hilton Grand Vacations	482	482	482	329	420	167	368	493	538	1.3	1.0	0.9	0.9	0.9	0.3
	Mean - Lodging C-Corps													2.5x	2.5x	2.2x
	Lodging REITs															
UW	Host Hotels & Resorts	\$3,954	\$3,954	\$3,954	\$3,512	\$3,913	\$3,818	\$1,503	\$1,514	\$1,539	2.6x	2.6x	2.6x	2.3x	2.6x	2.5x
OW	Park Hotels & Resorts	\$3,000	\$2,660	\$2,689	\$2,857	\$2,517	\$2,546	\$757	\$726	\$734	4.0x	3.7x	3.7x	3.8x	3.5x	3.5x
UW	LaSalle Hotel Properties	1,120	1,120	1,120	965	1,001	990	339	295	301	3.3	3.8	3.7	2.8	3.4	3.3
N	Ryman Hospitality Properties	1,497	1,455	1,359	1,418	1,376	1,281	361	376	422	4.1	3.9	3.2	3.9	3.7	3.0
UW	Sunstone Hotel Investors	990	990	990	566	502	521	339	320	318	2.9	3.1	3.1	1.7	1.6	1.6
UW	Chesapeake Lodging Trust	835	802	770	760	727	695	170	179	178	4.9	4.5	4.3	4.5	4.1	3.9
	Mean - Lodging REITS													3.2x	3.1x	3.0x

			EBITDA		Inte	rest Expens	se	EBITDA	/ Interest Ex	pense
Rating	Company	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E
	Lodging C-Corps									
OW	Hilton Hotels	\$1,965	\$2,138	\$2,288	\$408	\$404	\$425	4.8x	5.3x	5.4x
OW	Marriott International	3,223	3,427	3,727	250	302	314	12.9	11.3	11.9
N	Hyatt Hotels Corporation	816	814	868	80	76	76	10.2	10.7	11.5
UW	Choice Hotels	294	325	350	40	41	49	7.3	8.0	7.2
N	Belmond	124	142	151	32	34	35	3.9	4.2	4.3
OW	Extended Stay	623	611	626	130	130	120	4.8	4.7	5.2
OW	Hilton Grand Vacations	368	493	538	27	25	23	13.6	20.1	23.7
	Mean - Lodging C-Corps							8.4x	9.2x	9.9x
	Lodging REITs									
UW	Host Hotels & Resorts	\$1,503	\$1,514	\$1,539	\$161	\$188	\$199	9.3x	8.0x	7.8x
OW	Park Hotels & Resorts	757	726	734	122	124	122	6.2	5.9	6.0
UW	LaSalle Hotel Properties	339	295	301	37	34	34	9.2	8.7	8.8
N	Ryman Hospitality Properties	361	376	422	54	64	55	6.7	5.9	7.6
UW	Sunstone Hotel Investors	339	320	318	47	48	48	7.1	6.6	6.7
UW	Chesapeake Lodging Trust	170	179	178	33	34	33	5.1	5.3	5.4
	Mean - Lodging REITS							7.3x	6.7x	7.0x

NA = Not Applicable; NM = Not Meaningful

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com J.P.Morgan

**Table 20: Cruise Lines Balance Sheet Items** 

\$ in millions

		Cruise Lines	
Balance Sheet Items (MRQ)	CCL	RCL	NCLH
Cash	\$345	\$120	\$176
Debt	9,559	\$7,539	6,308
Equity	24,382	\$10,702	5,750
Book Value	\$32.64	\$47.99	\$27.12
CurrentPrice	\$65.06	\$117.98	\$54.96
Price to Book	2.0x	2.5x	2.0x
Credit Statistics			
Debt to Total Capital	28%	41%	52%
Gross Debt / EBITDA	1.9x	2.6x	3.8x
Net Debt / EBITDA	1.8x	2.6x	3.7x
EBITDA/Interest Expense	26.5x	10.0x	6.2x
Updated as of	1Q	4Q	4Q

NA = Not Applicable; NM = Not Meaningful

Source: Bloomberg, company reports, J.P. Morgan estimates.

Table 21: Cruise Lines Balance Sheet Items Detailed

\$ in millions

		(	Gross Debt			Net Debt			EBITDA		Gros	s Debt / EBITE	)A	No	et Debt / EBIT	DA
Rating	Company	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E
N	Carnival Corporation	\$9,195	\$10,558	\$11,412	\$8,800	\$10,213	\$11,067	\$5,045	\$5,527	\$6,115	1.8x	1.9x	1.9x	1.7x	1.8x	1.8x
OW	Royal Caribbean	\$7,539	\$8,379	\$7,314	\$7,419	\$8,009	\$6,944	\$2,846	\$3,196	\$3,532	2.6x	2.6x	2.1x	2.6x	2.5x	2.0x
OW	Norwegian Cruise Lines	\$6,308	\$6,188	\$5,675	\$6,132	\$6,012	\$5,499	\$1,663	\$1,890	\$2,064	3.8x	3.3x	2.8x	3.7x	3.2x	2.7x
	Simple Avg.										2.8x	2.6x	2.2x	2.7x	2.5x	2.1x

		EBITDA			Inte	rest Expense	<u> </u>	EBITDA / Interest Expense				
Rating	Company	2017	2018E	2019E	2017	2018E	2019E	2017	2018E	2019E		
N	Carnival Corporation	\$5,045	\$5,527	\$6,115	\$189	\$199	\$220	26.7x	27.8x	27.8x		
OW	Royal Caribbean	\$2,846	3,196	3,532	\$270	\$284	\$282	10.5x	11.3x	12.5x		
OW	Norwegian Cruise Lines	\$1,663	1,890	2,064	\$268	\$275	\$256	6.2x	6.9x	8.1x		
	Simple Avg.							14.5x	15.3x	16.1x		

NA = Not Applicable; NM = Not Meaningful

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com

J.P.Morgan

**Table 22: Gaming Universe Short Interest** 

\$ in millions

			Short In	terest						
			Previously Posted	Most Recent		Basic		Short Int.		
Rating	Company	Ticker	Interest (MMs)	Interest (MMs)	% Chg.	Sh. Out. (MMs)	Float (MMs)	as a % Float	Avg. Daily Volume	Days to Cover
	Gaming Operators									
Ν	Las Vegas Sands	LVS	5.6	5.2	-7.5%	789.1	391.6	1.3%	3,703,492	1.4
OW	MGM Resorts Infl	MGM	19.6	20.6	5.0%	566.7	516.4	4.0%	8,554,833	2.4
OW	Wynn Resorts	WYNN	4.5	3.3	-27.4%	108.5	97.8	3.4%	4,303,805	8.0
OW	Boyd Gaming	BYD	11.3	11.1	-1.6%	112.7	81.1	13.7%	1,764,565	6.3
NR	Penn National	PENN	6.7	7.5	12.5%	91.7	84.3	8.9%	1,430,763	5.3
NR	Pinnacle Entertainment	PNK	1.4	1.1	-22.1%	58.0	53.9	2.1%	480,855	2.3
OW	Red Rock Resorts	RRR	2.5	2.3	-5.3%	115.9	68.7	3.4%	652,713	3.6
N	Churchill Downs	CHDN	1.1	1.0	-7.6%	16.9	10.5	9.4%	130,275	7.5
OW	Eldorado Resorts	ERI	11.4	11.5	0.9%	76.9	57.8	19.8%	809,235	14.2
OW	Melco Resorts and Ent	MLCO	2.2	2.9	30.1%	494.3	183.7	1.6%	2,504,699	1.1
	Gaming REITs									
OW	Gaming & Leisure Prop	GLPI	4.3	4.1	-5.9%	213.9	201.3	2.0%	1,369,467	3.0
OW	MGM Growth Properties	MGP	2.9	2.8	-1.9%	243.1	57.5	4.9%	845,243	3.3
	Gaming Equipment & Lo	ttery								
N	Scientific Games	SGMS	5.5	5.8	5.5%	90.7	54.4	10.7%	922,329	6.3

Joseph Greff (1-212) 622-0548 joseph.greff@jpmorgan.com

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**Table 23: Lodging Universe Short Interest** 

\$ in millions

			Short In	terest	_					
			Previously Posted	Most Recent	_	Diluted		Short Int.		
Rating	Company	Ticker	Interest (MMs)	Interest (MMs)	% Chg.	Sh. Out. (MRQ) (MMs)	Float (MMs)	as a % of Float	Avg. Daily Volume	Days to Cover
Lodging C			·	•	-	,	•			
OW	Hilton Worldwide	HLT	4.9	5.4	10.7%	300.4	261.3	2.1%	3,847,355	1.4
OW	Marriott International	MAR	8.7	8.1	-7.7%	356.9	271.0	3.0%	2,364,017	3.4
N	Hyatt Hotels Corporation	Н	1.8	1.2	-33.9%	47.6	42.7	2.8%	925,010	1.3
N	Belmond	BEL	2.6	2.8	8.0%	102.4	83.7	3.4%	386,689	7.3
UW	Choice Hotels	CHH	0.9	0.8	-9.6%	56.9	35.1	2.2%	258,364	3.1
OW	Extended Stay America	STAY	3.3	2.5	-24.5%	190.5	187.7	1.3%	1,685,799	1.5
OW	Hilton Grand Vacations	HGV	3.1	2.0	-36.6%	99.3	98.5	2.0%	1,218,454	1.6
Lodging R	EITs									
UW	Host Hotels & Resorts	HST	32.3	32.9	2.0%	734.1	723.5	4.6%	7,041,141	4.7
OW	Park Hotels & Resorts	PK	4.8	7.0	47.5%	201.1	200.2	3.5%	2,585,209	2.7
UW	LaSalle Hotel Properties	LHO	11.8	12.6	7.1%	113.2	112.6	11.2%	2,376,426	5.3
N	Ryman Hospitality Properties	RHP	0.9	0.9	-3.4%	51.2	44.8	2.0%	333,007	2.7
UW	Sunstone Hotel Investors	SHO	8.4	8.1	-3.2%	225.6	223.5	3.6%	2,235,238	3.6
UW	Chesapeake Lodging Trust	CHSP	2.1	2.4	15.2%	60.4	58.8	4.1%	300,192	8.1
: OW = Overwe	ight; N = Neutral; UW = Underweight; NC =	Not Covered								

Source: Bloomberg, company reports, J.P. Morgan estimates.

**Table 24: Cruise Lines Short Interest** 

\$ in millions

Rating	Company	Ticker	Previously Posted Interest (MMs)	Most Recent Interest (MMs)	% Chg.	Basic Sh. Out. (MMs)	Float (MMs)	Short Int. as a % Float	Avg. Daily Volume	Days to Cover
	Cruise Lines									
N	Carnival Corporation	CCL	13.0	13.0	-0.1%	534.4	408.0	3.2%	3,473,046	3.8
OW	Royal Caribbean	RCL	4.1	3.7	-10.2%	213.7	170.1	2.2%	1,518,820	2.4
OW	Norwegian Cruise Lines	NCLH	3.5	3.5	-1.1%	223.9	202.9	1.7%	2,143,635	1.6



**Figure 33: LVS Price Target Methodology** 

Figure 34: Sands China Equity Value

2019E		F : W I		F!	Sands China	2019E		Fair Value	Firm		
<b>EBITDAR</b>		Fair Value Multiple		Firm Value	(\$MM, except per share data)	EBITDAR	_	Multiple		Value	
\$424	x	11.0x		\$4,661	Same-store Macau	3,188	Х	15.0x	=	47,816	
40	Х	15.0x	=	600	Parisian Macao		Χ	15.0x	=	0	
	Х		=		Povalties Paid to I VS		Х	15.0x	=	(600)	
2,104		14.2x		29,867	Sub-totals	\$3,148	х	15.0x		\$47,216	
(165)	Х	14.2x	=	(2,339)	Less SCL Net Debt, year-end 2019 plus year-end 2019 CIP						
\$1,939	Х	14.2x		\$27,528	Equals Equity Value of Sands China						
				1,300	,300 70.3% of Equity Value of Sands China						
ina				32,825 🖌	Source: J.P. Morgan estimates.						
				3,296							
				\$58,357							
				791	_						
				\$74	]						
	40 1,640 2,104 (165)	40 x 1,640 x 2,104 (165) x \$1,939 x	40 x 15.0x 1,640 x 15.0x 2,104 14.2x (165) x 14.2x \$1,939 x 14.2x	40 x 15.0x = 1,640 x 15.0x = 2,104 14.2x (165) x 14.2x = \$1,939 x 14.2x	40 x 15.0x = 600 1,640 x 15.0x = 24,606 2,104 14.2x 29,867 (165) x 14.2x = (2,339) \$1,939 x 14.2x \$27,528 1,300 32,825 ✓ 3,296 \$58,357 791	\$424	40	\$424	40	40	

**Figure 35: WYNN Price Target Methodology** 

Figure 36: WYNN Macau Equity Value

WYNN Resorts	2020 EBITDA		Fair Value Multiple		Firm Value	WYNN Macau	2020 EBITDA		Fair Value Multiple		Firm Value		
W THIN RESURES			Multiple		1 IIIII Value	Wynn Peninsula, property level	\$902	х	14.0x	=	\$12,623		
Las Vegas, less minority interest	\$626	Χ	12.0x	=	\$7,518	Wynn Palace, property level	\$967	Х	14.0x	=	\$13,535		
Boston	\$252	X	10.0x	=	\$2,520								
Wynn Macau Royalties	231	Х	14.0x	=	3,237	Corporate Expense	(34)	Х	14.0x	=	(475)		
Sub-total	1,110	Х	12.0x		13,275	Royalties Paid to WYNN	(231)	Χ	14.0x	=	(3,237)		
Corporate Expense	(69)	Х	12.0x	=	(825)	Sub-totals	1,603	х	14.0x		22,445		
Sub-totals	1,041	х	12.0x		12,450	Less: Net Debt (year-end 2020E)					(498)		
Plus: Wynn's Equity Value Share of Wynn Ma	Plus: Wynn's Equity Value Share of Wynn Macau Operations 15,86						Equals Equity Value of Wynn's Macau Operations (100%)						
Less: Non Macau net nebt (year-end 2020)					3,447	72.3% of Equity Value of Wynn Macau							
Equity Value					24,865	Source: J.P. Morgan estimates.							
Divided by Fully Diluted Shares Outstanding					108								
Equity Value on a year-end 2019 basis					\$229								
Equals Year-end 2018 Fair Value (above dis	counted back at 8%)				\$212								
Plus: Land Value at Frontier site/Wynn West					\$3								
Equals Year-End 2018 Fair Value					\$216								

Source: J.P. Morgan estimates.

**Figure 37: MGM Price Target Methodology** 

Valuation Scenario for MGM's Non-Macau, non-MGP segment 2018E 2019E 526 Bellagio EBITDA 517 Fair Value Multiple 11.0x 11.0x 5.683 5,790 Property Value MGM Grand EBITDA 382 395 Fair Value Multiple 11.0x 11.0x Property Value 4.205 4.346 Circus Circus EBITDA 80 84 Fair Value Multiple 8.0x 8.0x 636 669 Property Value Springfield EBITDA 5 54 Fair Value Multiple 8.0x 8.0x Property Value 40 432 Opco EBITDA 828 926 Fair Value Multiple 8.5x 8.5x Property Value 7.034 7.872 215 220 Share of CityCenter EBITDA Fair Value Multiple 11.0x 11.0x 2.362 2.419 Value Other EBITDA (JV, fees) 53 56 Fair Value Multiple 8.0x 8.0x 424 444 Value Sub-total Property Level 2.079 2,261 Implied Multiple 9.8x 9.7x Value 20.385 21.973 Corporate Expense (322)(322)Fair Value Multiple 9.8x 9.7x Value (3,159)(3,131)Total EBITDA, net of Corporate Expense 1,757 1,939 Implied Multiple 9.8x 9.7x 18,842 **Total Enterprise Value** 17,226 Less Year-end Net Debt, adjusted for year-end CIP, incl share of CityCer (7,004)(6,185)Plus value of MGM China stake (market value of HK 2282) 6.043 6.043 Plus value of MGP stake (based on JPM PT) 6,016 6.016 **Equals Total Equity Value** 22,280 24,715 Divided by Shares Outstanding 572 567 **Equals Equity Value Per Share** \$39 \$44

Figure 38: MLCO Price Target Methodology

<u>Property</u>	2019E EBITDA		Multiple		Firm Value
Altira Macau	\$40	X	12.0x	=	\$482
Mocha Clubs	27	Х	12.0x	=	320
City of Dreams Macau	1,086	X	x 13.0x		14,124
Studio City (60% Proportionate Share)	271	X	13.0x	=	3,520
Sub-totals	1,424	X	13.0x	=	18,446
Corporate Expense	(141)	Х	13.0x	=	(1,823)
Equals Enterprise Value		\$16,623			
Less: Year-end 2019E Wholly Owned N	Macau Net Debt				45
Less: Year-end 2019E MSC Net Debt (	60% Proportionate	e Share	e)		543
Plus: Share of COD Manilla, Phillipines	Property Value (12	2x 2019	E EV/EBITDA)		1,511
Equals Equity Value	\$17,546				
Divided by Diluted Shares Outstanding					494
Equals Year-end 2018 Fair Value					\$36

Source: J.P. Morgan estimates.

Figure 39: BYD Price Target Methodology

Pre Pinnacle Valley Forge Acquisitions **OpCo Acquisition** Acqusition Pro Forma 648 197 40 885 2019E EBITDAR Less Rent 0 (105) 0 (105) Equals EBITDA 648 92 40 780 Plus Cost synergies 0 8 0 8 Less Cash Interest Expense (29) (14) (201) (158)Less Capex (120) (15) (5) (140)Less Cash Taxes 0 0 0 0 **Equals Free Cash Flow** 370 56 447 21 FCF Per Share \$3.88 \$3.21 \$0.49 \$0.18 Target PF FCF Per Share Multiple 10.0x Memo: Implied PF FCF Yiled 10.0% Year-end 2018 Fair Value 39

Figure 40: RRR Price Target Methodology

	2020E EBITDA	-	Fair Value Multiple		Enterprise Value
LV Locals (Ex. Palms)	\$508	Х	12.0x	=	6,092
Palms LV	95	Х	11.5x	=	1,093
Sub total - LV Locals property level EBITDA	603	X	11.9x	=	7,184
Corporate Expenes	(35)	Х	11.9x	=	(413)
Total					6,771
Less: Year-end 2020 NetDebt					(2,199)
Plus: After-tax NPV of Native American EBITDA fee stream					129
Equals Equity Value					4,701
Divided by Shares Outstanding					116
Equals Equity Value on a year-end 2019 Bas	is				40
Equals Year-end 2018 Fair Value (above disc	ounted bac	k at 8	%)		\$37

**Figure 41: CHDN Price Target Methodology** 

Figure 42: ERI Price Target Methodology

			Fair Value					Vicksburg/			
<u>Segment</u>	2019E EBIT	<u>DA</u>	<u>Multiple</u>		Firm Value		2020E	Presque Sales	Tropicana	Elgin	PF
						EBITDAR	515	(26)	207	36	732
Kentucky Derby	\$109	Х	16.0x	=	\$1,739	Plus Synergies			80	18	98
Casinos (includes JVs)	\$151	Х	9.0x	=	\$1,362	Less Rent			(110)		(110)
Racing (ex-Derby)/ Contra Casino EBITDA	(\$6)	Х	9.0x	=	(\$58)	Less Cash taxes	(35)		(20)		(55)
TwinSpires	\$75	х	10.0x	=	\$755	Less Cash Interest Expense	(97)	2	(36)		(131)
·					,	Less Maintenance capex	(70)		(40)		(110)
Sub-total	\$329	Х	11.5x	=	\$3,797	Less: Acqusitions	0				0
Corporate/Other Investmets (ex.HHR)	(\$12)	Х	11.5x	=	(\$138)	Plus/Less Other	0				0
Sub-total	\$317	_	11.5x		\$3,658	Equals Discretionary FCF	312	(24)	81	54	424
Less Year-end 2018E Net Debt, Less CIP	, -				\$397	Less project capex	(30)		0	0	(30)
,						Plus/Less Other	0		0	0	0
Plus: Equity Value from HHR Facility					73	Equals Total Free Cash Flow	282	(24)	81	54	394
Equals Equity Value					3,335						
Divided by Diluted Shares Outstanding					13.6				2020E Free Cas	sh Flow	\$394
Equals Equity Value Per Share					\$245				Shares Outstand	ding	78
Plus Arlington Option Value					\$11				FCF/Share		\$5.05
Plus Calder Opton Value					\$2				FCF Yield		10%
Plus Presque/Vicksburg Acquisiton Value					\$12				Equity Value		\$50
Equals Fair Value					\$270			_	Discount		8%
Source: J.P. Morgan estimates.						<u>.</u>			Fair Value		\$47

**Figure 43: MGP Price Target Methodology** 

Figure 44: GLPI Price Target Methodology

	2019E		Fair Value		Firm		2019E EBITDA		EBITDA Multiple		Firm Value
	<u>EBITDA</u>	_	Multiple		Value	Rental Income, Net of Corporate Expense	\$848	х	15.0x	=	\$12,713
Adjusted EBITDA	\$765	х	15.5x	=	\$11,852	TRS	35	х	7.0x	=	245
•	Ψίου	^	10.00			Sub-total	883		14.7x		12,958
Less: Year-end 2018 Net Debt					3,478	Less Year-end 2019E Net Debt					4,187
<b>Equals Equity Value</b>					8,374	Equals Equity Value					8,771
Divided by Shares Outstanding					266	Divided by Diluted Shares Outstanding					216
Fair Value					\$31	Equals Year-end 2018 Fair Value					\$41

Source: J.P. Morgan estimates.

Figure 45: SGMS Price Target Methodology

	2019E EBITDA		Fair Value Multiple	_	Firm Value
Gaming	\$926	х	8.0x	=	\$7,406
Lottery	\$370	х	7.0x	=	\$2,589
Interactive	\$179	х	12.0x	=	\$2,152
Sub-total	\$1,475	х	8.2x	=	\$12,146
Corporate Expense	(\$132)	× _	8.2x	=_	(\$1,086)
Sub-total	\$1,343		8.2x		\$11,061
Less Year-End 2019E Net Debt					\$7,511
Equals Equity Value					\$3,550
Divided by Diluted Shares Outstanding					89.7
Equals Year-End 2018 Fair Value					\$40



Figure 46: MAR Price Target Methodology

Figure 49: HLT Price Target Methodology

JPM's EPS CAGR, 2017-2019	19.9%		2019E EBITDA		Assigned Multiple		Enterprise Value
2019 EPS	\$6.26	— Managed & Franchised Fees	\$2,226	х	15.5x	=	\$34,509
Target Muttiple based on 1.25x PEG	24.9x	Owned & Leased	137	Х	10.0x	=	1,366
Year-end 2018 Fair Value	156	Sub-totals	2,363	Х	15.2x	=	35,875
ource: J.P. Morgan estimates.		Unallocated Expenses	(135)	x	15.2x	=	(2,047)
		Sub-totals	\$2,228		15.2x		\$33,827
			Less: Year-	end 2019	NetDebt		6,781
			Less: Unco	nsolidated	Joint Venture De	ebt	13
			Equals Es	timated Y	ear-end 2018 E	quity Value	\$27,033
			Divided by	Diluted Sh	nares Outstanding	(EOP)	280
			Equals Ye	ar-end 20	18 Fair Value		\$96



**Figure 47: STAY Price Target Methodology** 

Figure 48: H Price Target Methodology

Equals Year-end 2018 Fair Value	\$22	\$24	\$26
Divided by Shares Outstanding	191.2	191.2	191.2
Equals Estimated Equity Value	\$4,275	\$4,588	\$4,900
Plus: ESA 2.0 Investments	\$60	\$60	\$60
Equals Estimated Core Equity Value	\$4,215	\$4,528	\$4,840
Less: Year-end 2019 Net Debt & Preferred Equity	2,041	2,041	2,041
Equals Estimated Enterprise Value	6,256	6,569	6,882
x Target Multiple	10.0x	10.5x	11.0x
2019E Adjusted EBITDA	\$626	\$626	\$626

_	2019E EBITDA		Target Multiple		Enterprise Value
Owned Hotels EBITDA	\$375	X	10.0x	=	\$3,752
JV Hotel EBITDA	59	X	10.0x	=	592
Management & Franchising EBITDA	573	X	14.0x	=	7,996
- Sub-total	1,008	X	12.2x	=	12,339
Other/Unallocated Expenses	(139)	X	14.0x	=	(1,943)
Totals	868	х	12.0x	=	10,397

Less: Year-end 2019 Gross Debt 1,451
Less: Unconsolidated Joint Venture Debt 580
Plus: Year-end 2019 Cash/Equivalents 645
Equals Estimated Equity Value 9,011
Divided by Diluted Shares Outstanding (EOP) 113
Equals Year-end 2018 Fair Value \$79



Enterprise Value

High

\$4,717

\$2,204

\$6,921

(\$1,955)

\$4,966

780

Base

\$4,288

\$2,668

\$6,956

(\$1,965)

\$4,991

Figure 49: RHP Price Target Methodology

Real estate sales and financing

Resort operations and club management

Unallocated G&A & License Fee Expense & Other

Sub-totals (before accounting chance impact)

% of Total (pre Corporate)

% of Total (pre Corporate)

Segment

Sub-total

**Figure 50: HGV Price Target Methodology** 

2019E

**EBITDA** 

\$429

65%

\$232

35%

\$661

(\$187)

\$474

Target Multiple

Base

10.0x

11.5x

10.5x

10.5x

10.5x

Low

x 8.5x

x 8.8x

x 8.8x

x 8.8x

High

11.0x

9.5x

10.5x

10.5x

10.5x

Low

\$3,859

\$1,972

\$5,831

(\$1,647)

\$4,184

2019 Adjusted EBITDA	\$422.1	<u>Low</u> x 11.5x	Base Multiple 12.0x	<u>High</u> 12.5x
Enterprise Value		\$4,854	\$5,065	\$5,276
Less: Net Debt (Year-end 2019)		1,281	1,281	1,281
Less: JV debt (rockies)		195	195	195
Equals Equity Value		3,378	3,589	3,800
Divided by: Shares Outstanding		52	52	52
Equals year-end 2018 Fair Value		\$65	\$70	\$74

Equals Equity Value	3,378	3,589	3,800
Divided by: Shares Outstanding	52	52	52
Equals year-end 2018 Fair Value	\$65	\$70	\$74
Caurage LD Marray actimates			

Equals Year-end 2018 Price Target	\$41	\$49	\$48
Less: Share of unconsolidated JV debt	93	93	93
Less: Year-end 2019 Net Debt (Recourse)	74	74	74

Source: J.P. Morgan estimates.

Source: J.P. Morgan estimates

**Figure 51: CHH Price Target Methodology** 

Figure 52: BEL Price Target Methodolo	gy
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2019E Adjusted EBITDA	\$350	\$350	\$350
x Multiple	13.0x	13.5x	14.0x
Equals Estimated Enterprise Value	4,544	4,719	4,894
Less: Year-end 2019 Net Debt	505	505	505
Equals Estimated Equity Value	\$4,039	\$4,214	\$4,388
Divided by Shares Outstanding	59	59	59
Equals Fair Value	\$69	\$72	\$75

	2019E Adjusted EBITDA		Target Multiple	_	Enterprise Value
Owned Hotels	\$157.9	х	13.0x	=	\$2,052
Management fees	12.8	х	13.0x	=	166
Owned Trains and Cruises	11.2	х	8.0x	=	90
Share of JV earnings (previoulsy in part owned)	16.3	х	11.5x	=	188
Sub-total	198.2	X	12.6x	=	2,495.7
Corporate & Overhead	(47.3)	Х	13.0x	=	(615)
otal	\$150.9	х	12.5x	=	\$1,881

Source: J.P. Morgan estimates.

Plus: Year-end 2019 Cash 183 Plus: Cap Juluca and Oher CIP 95 **Equals Estimated Equity Value** 1,379 Divided by Diluted Shares Outstanding 102.3 Equals year-end 2018 Fair Value \$13

Less: Year-end 2019 Gross Debt

Figure 53: CHSP Price Target Methodology

Figure 54: HST Price Target Methodology

2019 Adjusted EBITDA	\$178	\$178	\$178
Valuation Multiple	11.0x	11.5x	12.0x
Equals Enterprise Value	1,954	2,042	2,131
Less Net Debt (Year-end 2019)	(695)	(695)	(695)
Equals Estimated Equity Value	\$1,258	\$1,347	\$1,436
Divided by Diluted Shares Outstanding	59.5	59.5	59.5
Equals Fair Value	\$21	\$23	\$24

Equals Year-end 2018 Fair Value	\$18.50
Divided by Diluted Shares Outstanding	747
Equals Estimated Equity Value	13,828
Less Share of JV Debt (off balance sheet)	(472)
Less Net Debt (Year-end 2019)	(3,346)
Equals Enterprise Value	17,646
Valuation Multiple	11.5x
2019 Adjusted EBITDA	1,539



**Figure 55: LHO Price Target Methodology** 

\$301.3 2019 Adjusted EBITDA Valuation Multiple 11.5x **Equals Enterprise Value** 3,464 Less Net Debt (Year-end 2019) (730)Less Preferred Stock (260)**Equals Estimated Equity Value** 2,475 Divided by Diluted Shares Outstanding 113 **Equals Fair Value** \$22

**Figure 56: PK Price Target Methodology** 

2019 Adjusted EBITDA	734
Assigned multiple	11.5x
Equals Enterprise Value	8,445
Less Net Debt (Year-end 2019)	(2,310)
Less Share of JV Debt (off balance sheet)	(236)
Add Land value / NPV of Bonnet Creek Expansion	156
Equals Estimated Equity Value	6,054
Divided by Diluted Shares Outstanding	216
Equals Fair Value	\$28

Source: J.P. Morgan estimates.

Figure 57: SHO Price Target Methodology

SHO 2019E Adjusted EBITDA	318
Valuation Multiple	11.5x
Equals Enterprice Value	3,654
Less Net Debt (Year-end 2019)	(386)
Less Preferred Stock	(190)
Plus non-controlling partners share of consolidated debt	55
Equals Estimated Equity Value	3,133
Divided by Diluted Shares Outstanding	224
Equals Fair Value	\$14

Figure 58: CCL Price Target Methodology

Figure 60: RCL Price Target Methodology

		xisting Valuat		Valuation Multiple Sensitivity Analysis		_	Existing Valuation		Valuation Multiple Sensitivity Ana		ity Analysis		
	2017E	2018E	2019E		2019E	_		2017	2018E	2019E		2019E	
Recurring EPS	3.82	4.40	5.14	5.14	5.14	5.14	Adjusted EPS	7.53	8.66	10.02	10.02	10.02	10.02
x Implied/Target Multiple	17.7x	15.3x	13.1x	14.0x	15.0x	16.0x	x Implied/Assigned Multiple	17 4x	15.1x	13.1x	14.0x	15.0v	16.0x
Equias year-end 2018 Price Target				\$72	\$77	\$82		17.48	13.13	13.13		10.00	
·							Equals Fair Value				\$140	\$150	\$160

Source: J.P. Morgan estimates.

Figure 59: NCLH Price Target Methodology

	Existing \	/aluation	Target Multiple Sensitivities			
_	2018E	2019E	2019E	2019E	2019E	
NCLH Adjusted EPS	4.58	5.19				
Less Stock Comp Exp Add-back	(0.39)	(0.39)				
Equals JPM EPS (apple to apples w peers)	4.19	4.80	4.80	4.80	4.80	
x Implied/Target Multiple on JPM EPS	14.2x	12.4x	13.5x	14.5x	15.5x	
Equals Year-end 2017 Price Target			\$65	\$70	\$74	

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