

Lodging: US RevPAR -2.1% Y/Y Last Wk; Soft results due to hurricane fears in FL

Miami -27%, Orlando -14%, Tampa -3% for the week

What's Incremental To Our View

Overall U.S. RevPAR was -2.1% Y/Y for the week ending 9/7/2019, per STR, weaker than the prior week's result of +1.0%. (2-year stacked RevPAR was -4.2% vs +5.8% in the prior week.) Independent hotels (about 1/3rd of the data set) were -2.8% Y/Y. Economy (+1.3%) was the strongest chain scale for branded hotels; Upper Upscale was the weakest at -2.7%. Upper Midscale (-0.5%) and Midscale (-0.4%) outperformed the industry average. Within Upper Upscale & Luxury class hotels, Group (-2.2% vs. +6.2% prior week) outperformed Transient (-4.0% vs. +1.1% prior week).

Last week overall U.S. RevPar was down -2.1%, with all chains down except Economy (+1.3%). We believe soft results reflect Florida visitation hurt by hurricane fears. Miami (-20.8%) and Orlando (-14.8) noted double digit y/y occupancy declines for the week.

Last week's RevPAR details:

- Economy was the strongest chain scale: Upscale and Upper Midscale underperformed by 530 bps and 180 bps, respectively: Luxury RevPAR (-2.4%), Upper Upscale (-2.7%), Upscale (-4.0%), Upper Midscale (-0.5%), Midscale (-0.4%), and Economy (+1.3%). Independent hotels (-2.8%) underperformed the headline U.S. RevPAR.
- Within Upper Upscale & Luxury class hotels, Group outperformed Transient: Transient segment (individual business and leisure travelers) RevPAR was -4.0% (vs. +1.1% last week) and Group segment RevPAR was -2.2% (vs. +6.2% last week).
- Chicago (+4.4%) was the strongest of the top five markets: Boston (-1.9%), Los Angeles (+3.4%), NYC (-8.6%), and D.C. (-8.4%).
- Other relevant markets:
 - San Francisco was weak (Moscone Convention Center expansion and renovation completed): RevPAR was +3.7% vs. +35.2% last week.
 - Florida markets were down due to the Hurricane Dorian impact: Miami (-27.0% vs. -16.8% last week); Orlando (-13.7% vs. -24.1% last week).

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What's Inside

Weekly STR results and analysis

The lodging stocks: We continue to favor C-Corps over hotel REITS (we favored hotel REITS for the first half of last year) and within C-Corps we prefer Buyrated WH. In an environment of low RevPAR growth combined with gradually increasing wages/margin pressures, we think returns for hotel owners is a major headwind to EBITDA growth. We believe hotel stocks, but especially hotel REIT stocks, typically work best when there is a spark to RevPAR growth and at this moment we are not seeing such sparks like we did at this time one year ago.



Weekly RevPAR Summary

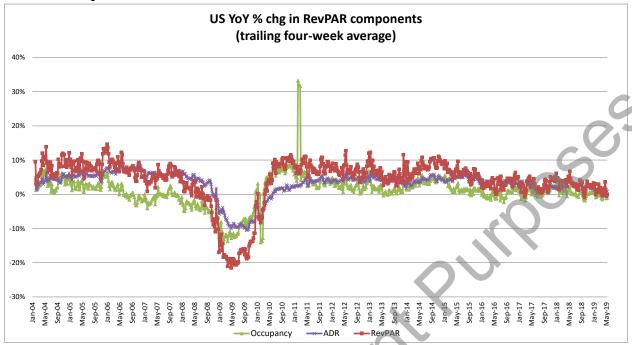
_			Upper		Upper			Inde-	New				
	U.S.	Luxury	Upscale	Upscale	Midscale	Midscale	Economy	pendent	York	Boston	LA	Chicago	DC
6/29/2019	0.9%	0.8%	1.0%	0.0%	0.3%	-1.4%	-1.5%	2.0%	4.5%	3.3%	-4.3%	-4.3%	-0.6%
7/6/2019	5.2%	5.7%	7.2%	4.4%	5.7%	3.6%	4.0%	4.6%	0.9%	9.7%	1.3%	0.3%	10.1%
7/13/2019	-2.9%	-3.0%	-3.3%	-3.7%	-3.1%	-3.8%	-2.8%	-2.6%	-4.6%	-4.0%	-0.5%	-6.9%	-3.8%
7/20/2019	0.0%	-0.4%	-0.4%	-0.2%	0.3%	-0.4%	-1.0%	-0.1%	-4.5%	3.0%	-2.9%	-6.8%	2.3%
7/27/2019	-1.6%	-3.1%	-2.3%	-2.4%	-1.4%	-1.9%	-2.3%	-0.9%	-6.4%	-2.2%	-5.1%	-8.0%	2.1%
8/3/2019	-1.1%	-2.6%	-1.0%	-1.5%	-0.3%	-1.4%	-1.8%	-1.3%	-3.4%	-10.7%	-2.9%	-9.0%	-1.4%
8/10/2019	-1.0%	-0.3%	0.2%	-2.0%	-1.8%	-3.0%	-2.7%	-0.2%	1.0%	4.6%	-4.3%	3.8%	-2.6%
8/17/2019	-0.6%	-3.6%	0.5%	-1.8%	-1.5%	-2.3%	-2.0%	0.9%	-2.4%	1.0%	-4.2%	-12.2%	2.4%
8/24/2019	1.2%	-0.9%	2.2%	0.5%	1.1%	0.5%	0.3%	1.6%	-6.6%	-6.1%	5.6%	4.1%	-1.5%
8/31/2019	1.0%	2.6%	3.1%	-0.2%	0.1%	-0.4%	-1.0%	1.0%	-3.5%	-5.5%	3.3%	4.2%	0.7%
9/7/2019	-2.1%	-2.4%	-2.7%	-4.0%	-0.5%	-0.4%	1.3%	-2.8%	-8.6%	-1.9%	3.4%	4.4%	-8.4%
	Group stronger than Transient					,	ale 'led' the ir					Top 5 markets	
1Q16	2.7%	1.6%	1.9%	2.2%	2.0%	0.0%			-1.2%	-3.0%	16.6%	-4.8%	3.1%
2Q16	3.5%	0.8%	2.9%	3.1%	3.2%	3.2%		4.2%		1.5%	11.1%	-1.0%	3.5%
3Q16	3.3%	1.5%	2.5%	2.0%	1.8%	2.5%		5.1%	-2.5%	-0.5%	9.3%	1.2%	5.5%
4Q16	3.2%	1.9%	0.6%	1.2%	2.2%	3.9%		5.1%	0.9%	-1.6%	6.9%	3.3%	8.0%
1Q17	3.4%	2.1%	3.0%	1.0%		3.5%		5.2%	-1.3%	-1.1%	-2.5%	1.5%	16.1%
2Q17 3Q17	2.7% 1.9%	2.3% 0.5%	0.6% -0.7%	0.6% 0.7%	1.2% 1.8%	2.4% 3.5%		5.1% 3.1%	0.2% -0.9%	4.4% -0.2%	3.6% -1.2%	0.8% -5.0%	0.8% -0.6%
4Q17	4.2%	4.5%	3.2%	3.8%	3.9%	3.7%		4.1%	0.8%	3.7%	4.2%	-2.5%	2.2%
1Q18	3.5%	6.6%	0.9%	2.2%	3.0%	3.8%			7.1%	2.6%	2.7%	5.8%	-11.0%
2Q18	4.0%	4.9%	3.4%	2.8%	3.0%	4.1%		4.6%	4.2%	-1.2%	0.6%	4.0%	3.1%
3Q18	1.7%	3.3%	1.9%	0.8%	-0.5%	0.1%		2.2%	0.7%	2.8%	1.3%	7.5%	-3.4%
4Q18	2.4%	3.0%	1.1%	0.0%	0.5%	1.3%		4.9%	3.5%	12.2%	3.0%	2.8%	-3.4%
1Q19	1.5%	-0.7%	1.2%	-0.5%	0.4%	-0.1%		3.1%	-7.1%	-2.1%	-1.7%	-4.5%	-2.4%
2Q19	1.1%	1.1%	0.5%	-0.4%	0.0%	-0.7%	1.7%	2.4%	-1.8%	4.5%	1.6%	-0.1%	-1.5%
YoY % change in ADR												_	X

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			Upper		Upper			Inde-	New				
	U.S.	Luxury	Upscale	Upscale	Midscale	Midscale	Economy	pendent	York	Boston	LA	Chicago	DC
6/29/2019	1.4%	1.8%	1.9%	0.7%	0.2%	-0.5%	0.0%	2.4%	4.0%	4.7%	-0.7%	-2.6%	1.2%
7/6/2019	2.6%	3.6%	2.8%	1.1%	1.6%	1.7%	2.4%	3.2%	-0.8%	3.0%	1.4%	-3.5%	6.1%
7/13/2019	-0.6%	-0.1%	-0.1%	-1.1%	-0.6%	-1.0%	-1.4%	-0.3%	-3.9%	-0.7%	1.9%	-4.5%	0.8%
7/20/2019	0.5%	0.2%	0.5%	0.0%	0.6%	0.3%	-0.4%	0.7%	-3.7%	2.6%	-1.2%	-5.5%	1.4%
7/27/2019	-0.5%	-1.6%	-0.4%	-0.9%	-0.4%	-0.7%	-1.1%	-0.3%	-4.6%	-0.1%	-2.5%	-5.1%	3.7%
8/3/2019	-0.3%	0.3%	0.5%	-0.5%	-0.2%	-0.7%	-0.7%	-0.3%	-2.4%	-5.0%	-1.4%	-6.3%	1.1%
8/10/2019	0.4%	0.5%	1.4%	-0.5%	-0.5%	-0.8%	-1.1%	1.1%	-0.4%	4.0%	-1.5%	0.8%	1.3%
8/17/2019	0.4%	-0.1%	1.2%	-0.7%	-0.5%	-0.9%	-0.9%	1.8%	-1.9%	0.1%	-2.2%	-8.0%	2.9%
8/24/2019	0.5%	0.3%	1.2%	0.0%	0.3%	-0.4%	-0.3%	0.8%	-5.0%	-3.1%	2.0%	1.2%	-0.5%
8/31/2019	1.4%	1.9%	2.5%	0.5%	0.4%	-0.3%	-0.1%	2.1%	-3.3%	-2.8%	0.3%	0.8%	0.2%
9/7/2019	-1.0%	2.1%	-0.2%	-1.0%	-0.4%	-1.1%	-0.5%	-1.0%	-8.3%	-0.1%	0.4%	1.6%	-3.6%
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1Q16	3.2%	1.9%	2.7%	3.2%	2.6%	1.7%	3.3%	3.7%	-3.1%	1.4%	11.3%	-1.9%	1.1%
2Q16	2.9%	1.5%	2.2%	2.9%	2.8%	2.7%	3.4%	3.0%	-3.1%	3.3%	9.4%	0.3%	2.1%
3Q16	3.4%	1.5%	2.5%	2.7%	2.4%	3.1%	3.6%	4.4%	-2.7%	2.3%	7.5%	1.9%	3.5%
4Q16	2.6%	2.1%	1.4%	2.2%	2.0%	2.2%	3.2%	3.8%	-1.2%	1.3%	5.8%	3.9%	4.1%
1Q17	2.5%	2.3%	2.4%	1.3%	1.6%	1.8%	2.4%	3.5%	-2.2%	0.0%	-0.2%	1.7%	13.6%
2Q17	2.2%	2.2%	1.2%	1.7%	1.5%	2.1%	2.3%	3.5%	-1.5%	4.1%	2.8%	1.5%	2.0%
3Q17	1.4%	1.4%	0.2%	0.8%	1.2%	1.9%	2.4%	2.2%	-2.0%	0.8%	1.8%	-2.4%	0.0%
4Q17	2.4%	2.2%	1.9%	1.8%	1.8%	2.5%	3.4%	2.1%	-0.2%	0.8%	4.6%	-2.0%	2.4%
1Q18	2.5%	4.5%	1.0%	1.7%	2.0%	3.0%		3.1%		-1.0%	4.0%	1.4%	-9.4%
2Q18	2.9%	3.5%	2.9%	2.4%	2.1%			3.1%		-0.1%	2.1%	3.3%	2.4%
3Q18	2.1%	3.3%	2.4%	1.8%	1.2%	1.3%	1.2%	1.9%	1.2%	1.9%	1.1%	6.7%	-0.8%
4Q18	2.0%	3.7%	2.2%	1.6%	1.1%	0.9%	0.6%	2.9%	3.4%	5.6%	1.4%	2.2%	-2.1%
1Q19	1.1%	2.2%	2.5%	1.0%	0.8%	-0.2%	-0.3%	1.0%	-3.8%	0.7%	-1.0%	-2.4%	1.5%
2Q19	1.2%	2.5%	1.4%	0.6%	0.7%	-0.2%	0.6%	1.7%	-1.0%	3.2%	0.8%	-1.7%	0.2%

					Yo								
·			Upper		Upper			Inde-	New				
	U.S.	Luxury	Upscale	Upscale	Midscale	Midscale	Economy	pendent	York	Boston	LA	Chicago	DC
6/29/2019	-0.5%	-1.1%	-0.9%	-0.6%	0.0%	-0.9%	-1.4%	-0.4%	0.4%	-1.4%	-3.7%	-1.7%	-1.8%
7/6/2019	2.6%	2.0%	4.4%	3.3%	4.1%	1.9%	1.6%	1.3%	1.7%	6.5%	-0.1%	3.9%	3.7%
7/13/2019	-2.4%	-3.0%	-3.2%	-2.6%	-2.5%	-2.8%	-1.4%	-2.3%	-0.7%	-3.3%	-2.3%	-2.5%	-4.5%
7/20/2019	-0.5%	-0.6%	-0.9%	-0.2%	-0.3%	-0.7%	-0.6%	-0.7%	-0.9%	0.4%	-1.7%	-1.3%	0.9%
7/27/2019	-1.0%	-1.5%	-1.9%	-1.5%	-0.9%	-1.2%	-1.3%	-0.6%	-1.9%	-2.1%	-2.6%	-3.1%	-1.5%
8/3/2019	-0.8%	-2.9%	-1.5%	-0.9%	0.0%	-0.7%	-1.0%	-1.0%	-1.1%	-6.0%	-1.5%	-2.9%	-2.5%
8/10/2019	-1.4%	-0.8%	-1.2%	-1.5%	-1.2%	-2.2%	-1.7%	-1.3%	1.4%	0.5%	-2.8%	2.9%	-3.9%
8/17/2019	-1.0%	-3.5%	-0.7%	-1.1%	-1.0%	-1.4%	-1.1%	-0.9%	-0.5%	0.9%	-2.1%	-4.6%	-0.5%
8/24/2019	0.8%	-1.2%	1.0%	0.5%	0.8%	1.0%	0.5%	0.8%	-1.7%	-3.1%	3.6%	2.9%	-1.0%
8/31/2019	-0.4%	0.7%	0.5%	-0.7%	-0.3%	-0.1%	-0.9%	-1.0%	-0.3%	-2.8%	3.0%	3.4%	0.5%
9/7/2019	-1.1%	-4.4%	-2.5%	-3.0%	-0.1%	0.7%	1.7%	-1.8%	-0.4%	-1.9%	3.0%	2.8%	-4.9%
		•						,					
1Q16	-0.5%	-0.3%	-0.8%	-0.9%	-0.6%	-1.7%	-1.5%	0.3%	2.0%	-4.3%	4.7%	-3.0%	2.0%
2Q16	0.6%	-0.7%	0.7%	0.2%	0.4%	0.5%	-0.4%	1.2%	-1.4%	-1.7%	1.5%	-1.4%	1.3%
3Q16	0.0%	0.0%	-0.1%	-0.6%	-0.6%	-0.6%	-0.6%	0.7%	0.3%	-2.8%	1.7%	-0.7%	1.9%
4Q16	0.6%	-0.2%	-0.8%	-1.0%	0.2%	1.7%	1.2%	1.2%	2.2%	-2.8%	1.0%	-0.5%	3.7%
1Q17	0.9%	-0.2%	0.6%	-0.3%	0.7%		0.2%	1.6%	1.0%	-1.1%	-2.4%	-0.2%	2.2%
2Q17	0.5%	0.1%	-0.6%	-1.1%	-0.3%	0.4%	1.4%	1.6%	1.7%	0.3%	0.8%	-0.7%	-1.2%
3Q17	0.5%	-0.9%	-0.9%	-0.1%	0.6%		0.5%	0.9%	1.1%	-1.0%	-2.9%	-2.7%	-0.5%
4Q17	1.8%	2.2%	1.3%	2.0%	2.1%		0.3%	2.0%	1.0%	2.8%	-0.3%	-0.5%	-0.2%
1Q18	0.9%	2.1%	0.0%	0.5%	1.1%	0.9%	1.3%	0.7%	3.5%	3.7%	-1.3%	4.4%	-1.8%
2Q18	1.1%	1.3%	0.5%	0.4%	0.9%	1.5%	0.4%	1.5%	0.5%	-1.1%	-1.4%	0.7%	0.7%
3Q18	-0.4%	0.0%	-0.5%	-1.0%	-1.7%	-1.1%	0.5%	0.3%	-0.5%	0.9%	0.2%	0.7%	-2.6%
4Q18	0.4%	-0.7%	-1.1%	-1.6%	-0.6%	0.4%	2.3%	1.9%	0.1%	6.3%	1.6%	0.6%	-1.3%
1Q19	0.4%	-2.8%	-1.3%	-1.4%	-0.5%	0.0%	2.3%	2.1%	-3.5%	-2.8%	-0.7%	-2.2%	-3.8%
2Q19	-0.1%	-1.4%	-0.9%	-1.0%	-0.7%	-0.6%	1.1%	0.7%	-0.7%	1.3%	0.8%	1.7%	-1.7%

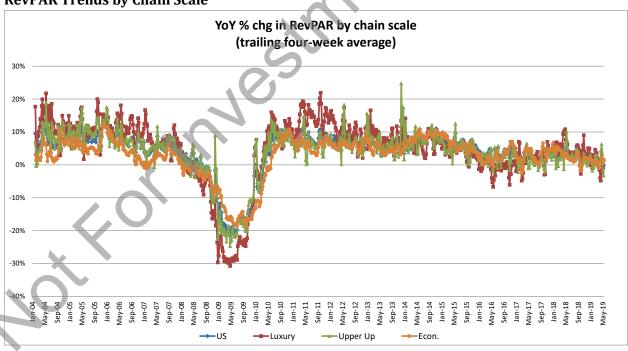
Source: STR data, STRH research

RevPAR Component Trends



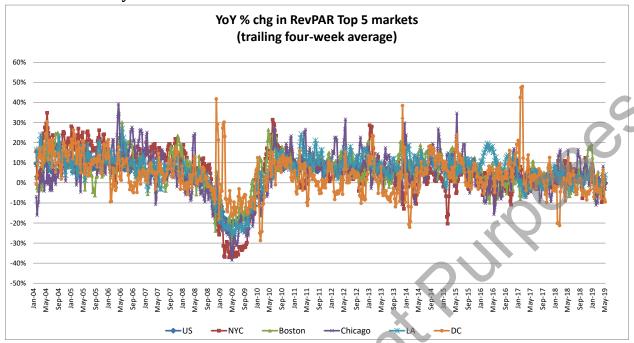
Source: STR data, STRH research

RevPAR Trends by Chain Scale



Source: STR data, STRH research

RevPAR Trends by Market



Source: STR data, STRH research



Price Target/Risks Summary

.odging	TKR	Price 9/10/19	Rating	PT*	% upside down- side	2020E Valuation EBITDA (\$M)* **	2020E As Reported EBITDA (\$M)*	Target EV/EBITDA Multiple	Risks
Chesapeake Lodging Trust	CHSP	\$26.81	Hold	\$26	-3%	\$182	\$182	12.0X	Upside risk: improvement in NY and Chicago markets Downside risk: softening of RevPAR trends in Boston or SF. Slowdown real estate lending.
									Upside risk: conservative guidance.
Choice Hotels	CHH	\$93.30	Hold	\$87	-7%	\$385	\$385	14.0X	Downside risk: slowdown in development opportunities.
DiamondRock Hospitality	DRH	\$10.11	Hold	\$11	9%	\$264	\$264	12.0X	Upside risk: specific markets (esp. NYC) perform better than expected Downside risk: company unable to locate properties to buy. Upside risk: the company increases dividends by more than expected
Host Hotels & Resorts	LICT	647.40	Hala	\$22	000/	\$4 F00	£4 500	40.57	NYC outperforms or is sold down at attractive multiples. Downside risk: Group underperforms. NYC hotels underperform and
lost Hotels & Resorts	HST	\$17.43	Hold	\$22	26%	\$1,523	\$1,523	12.5X	asset sales do not happen. Upside risk: Transient and group trends outperform expectations
Hyatt Hotels	н	\$75.73	Hold	\$82	8%	\$808	\$845	13.1X	Downside risk: ongoing misexecution and volatility.
	51/0	40.05		240	040/		0	7.07	Upside risk: Accelerating tour flow, FCF generation and decliining consumer defaults. Downside risk: 3rd party induced defaults worsen
Bluegreen Vacations Corporation	BXG	\$9.95	Hold	\$16	61%	\$144	\$144	7.8X	Middle market customers underperform. Downside risk: Disruption in a major market (HGV more concentrated than peers), issues with Japanese customer (HGV more exposed than
Hilton Grand Vacations	HGV	\$33.29	Buy	\$51	53%	\$462	\$505	11.4X	peers), difficulty sourcing additional fee-for-service inventory deals
Hilton	HLT	\$93.58	Hold	\$99	6%	\$2,386	\$2,487	14.8X	Upside risk: Macro lodging trends improve beyond expectations. Downside risk: slowing pipeline: 2020 is a recession year in the U.S. Upside Risk: Significant U.S macroeconomic improvement results in
									large recovery in transient corporate demand (and consequential >400 bps RevPAR improvement). Owned assets sell for premium prices relative to MAR expectations. Downside Risk: 2020 is a recession year in the US. Geopolitical and
Marriott International	MAR	\$131.69	Hold	\$137	4%	\$3,482	\$3,796	14.8X	policy risks negatively impact lodging demand.
Marriott Vacations	VAC	\$105.02	Buy	\$149	42%	\$758	\$885	11.1X	Downside risk: M&A story fades and multiples revert to historical levels
Park Hotels & Resorts	PK	\$25.29	Buy	\$34	34%	\$763	\$778	12.6X	Downside risk: Significant supply growth, macroeconomic challenges/shocks, higher than expected labor costs.
Pebblebrook Hotel Trust***	PEB	\$29.04	Hold	\$34	17%	\$486	\$486	14.5X	Upside Rišks: Material near-term incremental EBITDA from Legacy LH assets. Downside Risks: Planned asset sales do not materialize as expected and/or at lower-than-expected pricing, incremental EBITDA from major CapEx investments take longer than anticipated, resulting multiple contraction.
									Downside risk: demand shock, hurricanes, inability to complete 2021
Playa Hotels & Resorts	PLYA	\$8.23	Buy	\$13	58%	\$218	\$223	11.5X	growth initiatives, country-specific risks (emerging market portfolio) Upside risk: RevPAR reaccelerates due to macroeconomic
RLJ Lodging Trust***	RLJ	\$17.16	Hold	\$20	17%	\$492	\$395	11.6X	improvements, leading to estimate revisions and multiple expansion. Upside risk:recovering group demand better than expected, better marginal description.
Ryman Hospitality Properties	RHP	\$80.66	Hold	\$76	-6%	\$533	\$515	12.2X	recovery. Downside risk: booking issues stickier than expected. Upside risk: Recovery of corporate demand in SHO's markets. Above
Sunstone Hotel Investors	SHO	\$13.66	Hold	\$15	10%	\$314	\$314	12.0X	average group bookings in Orlando and Boston Park Plaza post-meetii space expansions. Downside risk: Weaker than expected demand trends following capit: investment projects.
/ail Resorts, Inc.	MTN	\$237.90	Buy	\$247	4%	\$776	\$776	15.0X	Downside risk: Economic conditions, competition for vacation and sk dollars, stagnant skier visitation, an aging customer, and climate chance
Wyndham Hotels & Resorts	WH	\$53.23	Buy	\$67	26%	\$642	\$672	13.0X	Downside risk: Slowdown in development opportunities. La Quinta synergies below expectations.

*** Covered by Gregory J. Miller

Source: FactSet, STRH research



WH: Valuation and Risks

Our price target of \$68 for WH is based on a 13.0x multiple (in line with portfolio quality/RevPAR relative to peers) of our 2020 EBITDA estimate.

Downside risk: slowdown in development opportunities. La Quinta synergies below expectations. La Quinta integration takes longer than anticipated. Macro demand headwinds.

Companies Mentioned in This Note

Bluegreen Vacations Corporation (BXG, \$9.95, Hold, C. Patrick Scholes)

Choice Hotels International, Inc. (CHH, \$93.30, Hold, C. Patrick Scholes)

Chesapeake Lodging Trust (CHSP, \$26.81, Hold, C. Patrick Scholes)

DiamondRock Hospitality Company (DRH, \$10.11, Hold, C. Patrick Scholes)

Hyatt Hotels Corporation (H, \$75.73, Hold, C. Patrick Scholes)

Hilton Grand Vacations Inc. (HGV, \$33.29, Buy, C. Patrick Scholes)

Hilton Worldwide Holdings Inc. (HLT, \$93.58, Hold, C. Patrick Scholes)

Host Hotels & Resorts, Inc. (HST, \$17.43, Hold, C. Patrick Scholes)

Marriott International, Inc. (MAR, \$131.69, Hold, C. Patrick Scholes)

Vail Resorts, Inc. (MTN, \$237.90, Buy, C. Patrick Scholes)

Pebblebrook Hotel Trust (PEB, \$29.04, Hold, Gregory Miller)

Park Hotels & Resorts Inc. (PK, \$25.29, Buy, C. Patrick Scholes)

Playa Hotels & Resorts N.V. (PLYA, \$8.23, Buy, C. Patrick Scholes)

Ryman Hospitality Properties, Inc. (RHP, \$80.66, Hold, C. Patrick Scholes)

RLJ Lodging Trust (RLJ, \$17.16, Sell, Gregory Miller)

Sunstone Hotel Investors, Inc. (SHO, \$13.66, Hold, C. Patrick Scholes)

Marriott Vacations Worldwide Corporation (VAC, \$105.02, Buy, C. Patrick Scholes)

Wyndham Hotels & Resorts, Inc. (WH, \$53.23, Buy, C. Patrick Scholes)

Wyndham Destinations, Inc. (WYND, \$48.90, Buy, C. Patrick Scholes)

Analyst Certification

- I, C. Patrick Scholes, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject company(ies) and its (their) securities. I also certify that I have not been, am not, and will not be receiving direct or indirect compensation in exchange for expressing the specific recommendation(s) in this report.
- I, Gregory J. Miller, hereby certify that the views expressed in this research report accurately reflect my personal views about the subject company(ies) and its (their) securities. I also certify that I have not been, am not, and will not be receiving direct or indirect compensation in exchange for expressing the specific recommendation(s) in this report.

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