

# Lodging - U.S. RevPAR +3.4%; Leisure-heavy holiday week drives decent results

Continued strong outperformance in hurricane impacted markets

#### What's Incremental To Our View

Overall U.S. RevPAR was +3.4% Y/Y for the week ending 11/25/17, per STR, up from the prior week's result of +2.6%. (2-year stacked RevPAR was +9.0% vs. +11.9% in the prior week.) Luxury (+4.9%) was the strongest chain scale. Within Upper Upscale & Luxury class hotels, Group (-5.0% vs. -4.1% prior week) was softer than Transient (+2.9% vs. +2.5% prior week). Tailwinds continued in most hurricane-impacted markets: Houston RevPAR was +54.1%, Miami was +19.2%, and Orlando was +18.2%.

We continue to see relative strength in leisure demand, exhibited in last week's Thanksgiving holiday travel demand. Group showed underperformance (-5.0%) but it was during a week with normally low group demand.

There continues to be massive outperformance from hurricane-impacted markets, notably in Houston (+54.1%), Miami (+19.2%), and Orlando (+18.2%).

Based on the recent trends, we reiterate our views from our most recent Lodging RevPAR Monitor where we believe 4Q could come in at the high-end or slightly above the high end of RevPAR guidances for the C-corps. While we still do not see any surge in bookings, we believe the C-corps set conservative guidances for the quarter.

#### RevPAR details:

- Luxury was the strongest chain scale: Luxury RevPAR (+4.9%), Upper Upscale (+2.1%), Upscale (+3.9%), Upper Midscale (+3.7%), Midscale (+3.8%), and Economy (+3.7%). Independent hotels (+2.5%) underperformed headline U.S. RevPAR.
- Within Upper Upscale & Luxury class hotels, Group was softer than Transient (although Thanksgiving week naturally has low group business, so investors should not read too much into last week's results): Transient segment (individual business and leisure travelers) RevPAR was +2.9% (vs. +2.5% last week) and Group segment RevPAR was -5.0% (vs. -4.1% last week).
- Boston (+11.7%) was the strongest of the top 5 markets: Chicago (-0.5%), LA (+0.8%), NYC (-1.8%), and D.C. (-0.5%).

C. Patrick Scholes 212-319-3915 patrick.scholes@suntrust.com

Bradford Dalinka 212-303-4190 bradford.dalinka@suntrust.com Gregory J. Miller 212-303-4198 gregory.j.miller@suntrust.com

#### What's Inside

Weekly STR results and analysis



#### • Other relevant markets:

- San Francisco was down: RevPAR was -2.2% vs. +9.8% last week. We anticipate weak y/y results in San Francisco for 4Q due to the renovations at the Moscone Center (although less bad than 2Q/3Q).
- Texas results were mixed: Dallas RevPAR was -5.5% (vs. +2.2% last week). Houston RevPAR was +54.1% (vs. +40.9% last week).

Headline November RevPAR tracking approx. +4% (up from our prior estimate of +3-4%): Luxury and Upper Upscale (most REIT portfolios and most of MAR/HLT/H) is tracking approximately 100-200 bps below the headline. We assume clean 2% performance for the rest of the month. (Headline October came in at +4.1%.)

The lodging and leisure stocks: As we have written in our last several reports, while the RevPAR trends are uninspiring, the good news is we believe companies are likely not going to miss their uninspiring and intentionally conservative guided ranges. We believe as it relates especially to the C-corps, "Stable" is the new "Good". That said, 2018 will likely still see a gradual deceleration in RevPAR growth rates from 2017's levels and this will likely be more negative for the hotel REITS as costs are rising faster than revenues. The good news for the hotel REITS is that their dividends are attractive, in our view, and should be sustainable over the next year. We believe an unwillingness to have to go against a 6%+ dividend yield has kept investors from being overly negative (potentially shorting) the hotel REITS.



# **Weekly RevPAR Summary**

	YoY % change in RevPAR												
_			Upper		Upper			Inde-	New				
	U.S.	Luxury	Upscale	Upscale	Midscale	Midscale	Economy	pendent	York	Boston	LA	Chicago	DC
10/7/2017	3.0%	3.3%	3.9%	1.7%	2.1%	1.3%	0.6%	3.4%	1.2%	5.5%	1.6%	6.4%	-15.0%
10/14/2017	7.8%	16.7%	11.0%	6.2%	4.4%	3.2%	2.9%	7.7%	11.1%	21.1%	6.4%	2.6%	36.3%
10/21/2017	2.6%	1.2%	1.2%	1.8%	3.4%	4.0%	4.0%	2.0%	-0.1%	2.5%	-1.6%	4.2%	8.4%
10/28/2017	6.7%	6.6%	4.3%	5.9%	7.7%	8.9%	6.6%	6.5%	0.7%	7.0%	7.5%	-14.3%	5.6%
11/4/2017	-0.4%	-1.4%	-3.8%	-1.4%	0.8%	2.7%	3.3%	-0.3%	-2.5%	7.2%	-4.2%	-18.5%	-1.1%
11/11/2017	10.0%	11.1%	11.4%	9.1%	9.8%	6.9%	6.2%	9.5%	0.8%	7.2%	12.0%	1.2%	18.4%
11/18/2017	2.6%	0.7%	0.1%	2.2%	3.9%	4.4%	4.3%	2.3%	-5.1%	-9.0%	-8.4%	-6.3%	-2.5%
11/25/2017	3.4%	4.9%	2.1%	3.9%	3.7%	3.8%	3.7%	2.5%	-1.8%	11.7%	0.8%	-0.5%	-0.5%

	Clean comp ex-hurricanes, Leisure strength from holiday travel				Luxury	and Upscale I	ed the indust	ry		Boston and	LA led the To	p 5 markets	
1Q15	8.0%	6.3%	6.0%	7.0%	8.5%	8.8%	9.2%	8.9%	-4.3%	13.8%	7.7%	11.4%	6.3%
2Q15	6.5%	5.5%	5.4%	5.9%	6.3%	6.6%	6.7%	7.1%	-1.8%	7.1%	7.4%	11.0%	11.7%
3Q15	5.9%	4.4%	4.0%	5.7%	5.7%	6.4%	6.1%	6.8%	0.6%	7.1%	11.1%	5.1%	0.3%
4Q15	4.8%	2.7%	3.8%	4.2%	4.9%	3.7%	4.4%	5.9%	-2.0%	5.3%	8.3%	1.4%	2.1%
1Q16	2.7%	1.6%	1.9%	2.2%	2.0%	0.0%	1.8%	4.0%	-1.2%	-3.0%	16.6%	-4.8%	3.1%
2Q16	3.5%	0.8%	2.9%	3.1%	3.2%	3.2%	3.0%	4.2%	-4.5%	1.5%	11.1%	-1.0%	3.5%
3Q16	3.3%	1.5%	2.5%	2.0%	1.8%	2.5%	3.0%	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%	4.4%	5.1%	0.9%	-1.6%	6.9%	3.3%	8.0%
1Q17	3.4%	2.1%	3.0%	1.0%	2.4%	3.5%	2.6%	5.2%	-1.3%	-1.1%	-2.5%	1.5%	16.1%
2Q17	2.7%	2.3%	0.6%	0.6%	1.2%	2.4%	3.7%	5.1%	0.2%	4.4%	3.6%	0.8%	0.8%
3Q17	1.9%	0.5%	-0.7%	0.7%	1.8%	3.5%	2.9%	3.1%	-0.9%	-0.2%	-1.2%	-5.0%	-0.6%

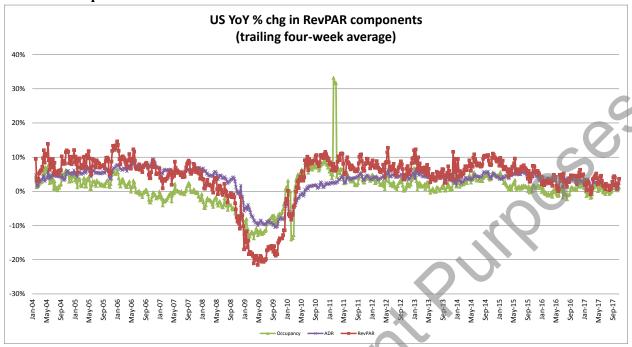
	YoY % change in ADR												
_			Upper		Upper			Inde-	New				
	U.S.	Luxury	Upscale	Upscale	Midscale	Midscale	Economy	pendent	York	Boston	LA	Chicago	DC
10/7/2017	2.0%	-1.7%	1.4%	0.9%	1.4%	1.6%	3.0%	1.9%	0.5%	3.7%	4.4%	5.5%	-10.9%
10/14/2017	5.3%	9.1%	5.8%	3.7%	2.5%	2.7%	3.8%	4.7%	5.8%	10.7%	5.6%	-1.4%	23.3%
10/21/2017	1.7%	2.0%	1.4%	1.1%	1.8%	2.7%	4.1%	1.1%	-1.0%	2.4%	2.6%	2.8%	6.8%
10/28/2017	2.6%	3.9%	1.5%	2.1%	2.6%	3.9%	4.5%	2.0%	0.5%	0.9%	5.8%	-8.9%	3.8%
11/4/2017	0.4%	1.1%	-0.5%	0.2%	1.1%	2.5%	4.0%	0.0%	-2.6%	0.3%	0.5%	-8.5%	-1.0%
11/11/2017	4.8%	5.4%	5.0%	3.2%	3.5%	3.0%	4.5%	4.9%	0.7%	0.9%	7.2%	-1.7%	7.6%
11/18/2017	1.9%	0.6%	0.9%	1.4%	2.6%	3.2%	4.3%	1.6%	-2.6%	-5.8%	-2.5%	-3.8%	-0.1%
11/25/2017	2.0%	2.1%	1.7%	0.8%	1.1%	2.4%	3.7%	1.9%	-1.5%	1.0%	2.1%	-2.4%	-0.7%
		•											
1Q15	4.7%	5.8%	4.7%	5.2%	4.7%	4.7%	5.5%	4.7%	-4.1%	7.3%	6.5%	7.1%	1.7%
2Q15	4.8%	4.9%	4.8%	5.3%	4.6%	4.3%	5.4%	4.6%	-1.5%	6.8%	7.1%	9.2%	7.9%
3Q15	4.5%	3.7%	3.6%	5.2%	4.4%	4.6%	5.0%	4.6%	0.3%	7.4%	9.6%	5.3%	-0.1%
4Q15	3.6%	2.3%	3.0%	3.9%	3.5%	3.0%	4.2%	3.8%	-2.3%	3.9%	6.1%	2.3%	1.0%
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%		2.2%	3.2%	3.8%	-1.2%	1.3%	5.8%	3.9%	4.1%
1Q17	2.5%			1.3%		1.8%		3.5%			-0.2%	1.7%	13.6%
2Q17	2.2%				1.5%	2.1%		3.5%			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%

					Yo'	Y % char	ıge in Oc	cupancy					
_			Upper		Upper			Inde-	New				
	U.S.	Luxury	Upscale	Upscale	Midscale	Midscale	Economy	pendent	York	Boston	LA	Chicago	DC
10/7/2017	0.9%	5.1%	2.4%	0.8%	0.7%	-0.3%	-2.3%	1.5%	0.6%	1.8%	-2.7%	0.9%	-4.7%
10/14/2017	2.4%	6.9%	4.9%	2.4%	1.8%	0.4%	-0.9%	2.8%	5.0%	9.4%	0.8%	4.1%	10.6%
10/21/2017	0.9%	-0.8%	-0.2%	0.7%	1.6%	1.3%	-0.1%	1.0%	0.9%	0.1%	-4.2%	1.4%	1.5%
10/28/2017	4.0%	2.6%	2.8%	3.7%	5.0%	4.8%	2.0%	4.4%	0.2%	6.0%	1.6%	-5.9%	1.7%
11/4/2017	-0.9%	-2.5%	-3.4%	-1.6%	-0.3%	0.2%	-0.6%	-0.3%	0.1%	6.9%	-4.8%	-11.0%	-0.1%
11/11/2017	4.9%	5.4%	6.1%	5.7%	6.1%	3.8%	1.7%	4.3%	0.1%	6.3%	4.5%	3.0%	10.0%
11/18/2017	0.8%	0.1%	-0.8%	0.8%	1.3%	1.1%	0.0%	0.7%	-2.6%	-3.4%	-6.1%	-2.7%	-2.4%
11/25/2017	1.4%	2.7%	0.4%	3.1%	2.6%	1.4%	-0.1%	0.5%	-0.3%	10.6%	-1.2%	2.0%	0.2%
1Q15	3.1%	0.5%	1.3%	1.7%	3.6%	3.9%	3.5%	4.0%	-0.2%	6.1%	1.1%	4.0%	4.6%
2Q15	1.6%	0.6%	0.5%	0.6%	1.7%	2.2%	1.3%	2.3%	-0.3%	0.3%	0.3%	1.7%	3.5%
3Q15	1.4%	0.6%	0.4%	0.5%	1.3%	1.8%	1.0%	2.1%	0.2%	-0.3%	1.3%	-0.1%	0.4%
4Q15	1.2%	0.4%	0.8%	0.2%	1.3%	0.6%	0.2%	2.1%	0.3%	1.4%	2.0%	-0.9%	1.1%
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%	1.6%	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%	1.6%	0.5%	0.9%	1.1%	-1.0%	-2.9%	-2.7%	-0.5%

Source: STR data, STRH research

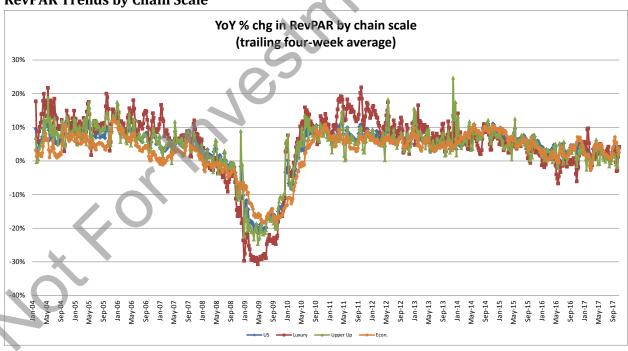


# **RevPAR Component Trends**



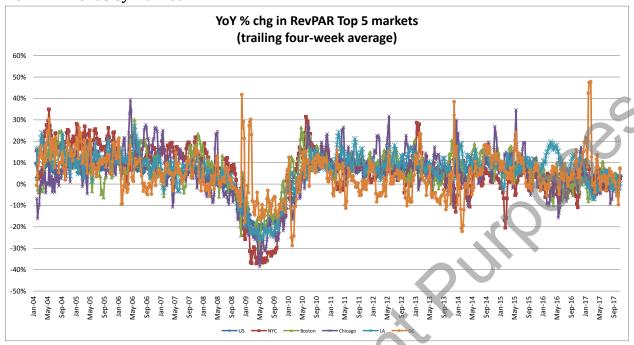
Source: STR data, STRH research

## **RevPAR Trends by Chain Scale**



Source: STR data, STRH research

## **RevPAR Trends by Market**



Source: STR data, STRH research



# **Price Target/Risks Summary**

Lodaina	TKR	Price 11/28/17	Rating	PT*	% upside down- side	2018E EBITDA (\$M)	Target EV/EBITDA Multiple	Risks
Lodging	INK	11/20/17	Raung	FI	side	(DIAI)	wutupie	KISKS
								Upside risk: improvement in NY and Chicago markets
								Downside risk: softening of RevPAR trends in Boston or SF. Slowdown
Chesapeake Lodging Trust	CHSP	\$28.65	Hold	\$24	-16%	\$180	12.0X	real estate lending.
		<del></del>		*		*		Upside risk: conservative guidance.
								Downside risk: big catalyst of special dividend already baked into the
Choice Hotels	CHH	\$78.30	Hold	\$71	-9%	\$323	14.0X	stock.
		*		• • • •		*		
								Upside risk: specific markets (esp. NYC) perform better than expected
DiamondRock Hospitality	DRH	\$10.94	Hold	\$11	1%	\$249	11.5X	Downside risk: company unable to locate properties to buy.
								Upside risk: the company increases dividends by more than expected
								NYC outperforms or is sold down at attractive multiples.
								Downside risk: Group underperforms. NYC hotels underperform and
Host Hotels & Resorts	HST	\$19.46	Hold	\$19	-2%	\$1,432	12.5X	asset sales do not happen.
		*		• • •		<b>4</b> .,=		Upside risk: Transient and group trends outperform expectations
Hyatt Hotels	Н	\$71.27	Hold	\$68	-5%	\$773	13.0X	Downside risk: ongoing misexecution and volatility.
Tyuk Fiotolo		Ψ	11010	Ψοσ	0,0	ψσ	10.071	Downside risk: Disruption in a major market (HGV more concentrated
								than peers), issues with Japanese customer (HGV more exposed that
Hilton Grand Vacations	HGV	\$39.21	Buy	\$45	15%	\$413	11.5X	peers), difficulty sourcing additional fee-for-service inventory deals
Timori Ciana Vacanono	1101	Ψ00.21	Duy	Ψ10	1070	ψτιο	11.0/	Downside risk: overhang from remaining big sponsor ownership, slowin
Hilton	HLT	\$76.13	Buy	\$77	1%	\$2,070	14.7X	pipeline
i ilitori	IILI	Ψ/0.13	Duy	Ψ11	1 /0	Ψ2,070	14.77	Upside risk: further acceleration in returning capital to shareholders.
InterContinental Hotels	IHG	\$58.49	Hold	\$51	-13%	\$899	13.5X	Downside risk: trends continue to worsen in Greater China
intercontinental noteis	IIIG	φ30.49	riolu	φυι	-13/0	4099	13.37	Downside risk: membership base erosion as churn outstrips new
ILG	ILG	\$28.25	Buy	\$30	6%	\$372	11.1X	timeshare sales
illi	ILG	\$20.25	Биу	\$30	076	<b>Φ372</b>	11.17	Upside risk: ability to increase dividend.
L-C-U- H-t-I Bti	LHO	COD 44	11-1-1	\$26	-8%	6040	12.5X	
LaSalle Hotel Properties	LHU	\$28.11	Hold	\$26	-8%	\$319	12.5%	Downside risk: heavy D.C. exposure.
								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.
Mai-44 la44i1	MAD	£400.00	11-1-1	£400	450/	CO 440	44.07	Downside Risk: 2017 or 2018 is a recession year in the US. Geopolitic
Marriott International	MAR	\$126.90	Hold	\$108	-15%	\$3,149	14.8X	and policy risks negatively impact lodging demand.
								Upside risk: Mix shift not an issue for margins, quicker execution/upsiz
								of buyback program; Downside risk: inability to achieve development
	1/40	040440		0400	=0/	0005		margin targets, inability to close asset sales or asset sales are done a
Marriott Vacations	VAC	\$134.18	Hold	\$128	-5%	\$305	11.1X	lesser values than expected
								Upside risk: The downturn in the lodging cycle is short-lived and positive
								macroeconomic trends result in increasingly positive RevPAR growth a
								improved EBITDA.
								Downside risk: Significant supply growth and macroeconomic
Park Hotels & Resorts	PK	\$28.12	Hold	\$28	0%	\$760	12.0X	challenges/shocks.
							_	Upside risk: RevPAR reaccelerates due to macroeconomic
								improvements, leading to estimate revisions and multiple expansion.
								Downside risk: Significant supply growth, struggle to source deals/low
RLJ Lodging Trust	RLJ	\$21.06	Hold	\$22	4%	\$581	11.5X	leverage, macroeconomic challenges/demand shocks.
								Upside risk:recovering group demand better than expected, better marg
				4.1				recovery.
Ryman Hospitality Properties	RHP	\$68.73	Hold	\$60	-13%	\$389	12.3X	Downside risk: booking issues stickier than expected.
								Upside risk: valuation discount to peers.
								Downside risk: San Diego, Boston, LA exposure. Insufficient ADR lift
Sunstone Hotel Investors	SHO	\$16.40	Hold	\$15	-9%	\$340	12.0X	from Boston Park Plaza/Marriott Wailea Beach renovations.
			W 7					Downside risk: the timeshare business is especially vulnerable to
Wyndham Worldwide Corp	WYN	\$110.35	Buy	\$112	1%	\$1,485	10.0X	economic softness.

Source: FactSet, STRH research



## **Companies Mentioned in This Note**

Choice Hotels International, Inc. (CHH, \$78.30, Hold, C. Patrick Scholes)

Chesapeake Lodging Trust (CHSP, \$28.65, Hold, C. Patrick Scholes)

DiamondRock Hospitality Company (DRH, \$10.94, Hold, C. Patrick Scholes)

**Hyatt Hotels Corporation** (H, \$71.27, Hold, C. Patrick Scholes)

Hilton Grand Vacations Inc. (HGV, \$39.21, Buy, Bradford Dalinka)

Hilton Worldwide Holdings Inc. (HLT, \$76.13, Buy, C. Patrick Scholes)

Host Hotels & Resorts, Inc. (HST, \$19.46, Hold, C. Patrick Scholes)

InterContinental Hotels Group, PLC (IHG, \$58.49, Hold, C. Patrick Scholes)

ILG, Inc. (ILG, \$28.25, Buy, C. Patrick Scholes)

LaSalle Hotel Properties (LHO, \$28.11, Hold, C. Patrick Scholes)

Marriott International, Inc. (MAR, \$126.90, Hold, C. Patrick Scholes)

Park Hotels & Resorts Inc. (PK, \$28.12, Hold, C. Patrick Scholes)

Ryman Hospitality Properties, Inc. (RHP, \$68.73, Hold, C. Patrick Scholes)

RLJ Lodging Trust (RLJ, \$21.06, Hold, C. Patrick Scholes)

Sunstone Hotel Investors (SHO, \$16.40, Hold, C. Patrick Scholes)

Marriott Vacations Worldwide Corp. (VAC, \$134.18, Hold, C. Patrick Scholes)

Wyndham Worldwide Corporation (WYN, \$110.35, 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, Bradford Dalinka, 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.

## **Required Disclosures**

Analyst compensation is based upon stock price performance, quality of analysis, communication skills, and the overall revenue and profitability of the firm, including investment banking revenue.

As a matter of policy and practice, the firm prohibits the offering of favorable research, a specific research rating or a specific target price as consideration or inducement for the receipt of business or compensation. In addition, associated persons preparing research reports are prohibited from owning securities in the subject companies.

Charts indicating changes in ratings can be found in recent notes and/or reports at our website or by contacting SunTrust Robinson Humphrey. Please see our disclosures page for more complete information at <a href="https://suntrust.bluematrix.com/sellside/Disclosures.action">https://suntrust.bluematrix.com/sellside/Disclosures.action</a>.

## **STRH Ratings System for Equity Securities**

**Dissemination of Research** 



SunTrust Robinson Humphrey (STRH) seeks to make all reasonable efforts to provide research reports simultaneously to all eligible clients. Reports are available as published in the restricted access area of our website to all eligible clients who have requested a password. Institutional investors, corporates, and members of the Press may also receive our research via third party vendors including: Thomson Reuters, Bloomberg, FactSet, and S&P Capital IQ. Additional distribution may be done by sales personnel via email, fax, or other electronic means, or regular mail.

For access to third party vendors or our Research website: https://suntrustlibrary.bluematrix.com/client/library.jsp

Please email the Research Department at STRHEquityResearchDepartment@SunTrust.com or contact your STRH sales representative.

#### The rating system effective as of Oct. 7, 2016:

#### **STRH Rating System for Equity Securities**

SunTrust Robinson Humphrey (STRH) rates individual equities using a three-tiered system. Each stock is rated relative to the broader market (generally the S&P 500) over the next 12-18 months (unless otherwise indicated).

**Buy (B)** – the stock's total return is expected to outperform the S&P 500 or relevant benchmark over the next 12-18 months (unless otherwise indicated)

**Hold (H)** – the stock's total return is expected to perform in line with the S&P 500 or relevant benchmark over the next 12-18 months (unless otherwise indicated)

**Sell (S)** – the stock's total return is expected to underperform the S&P 500 or relevant benchmark over the next 12-18 months (unless otherwise indicated)

Not Rated (NR) - STRH does not have an investment rating or opinion on the stock

**Coverage Suspended (CS)** – indicates that STRH's rating and/or target price have been temporarily suspended due to applicable regulations and/or STRH Management discretion. The previously published rating and target price should not be relied upon

STRH analysts have a price target on the stocks that they cover, unless otherwise indicated. The price target represents that analyst's expectation of where the stock will trade in the next 12-18 months (unless otherwise indicated). If an analyst believes that there are insufficient valuation drivers and/or investment catalysts to derive a positive or negative investment view, they may elect with the approval of STRH Research Management not to assign a target price; likewise certain stocks that trade under \$5 may exhibit volatility whereby assigning a price target would be unhelpful to making an investment decision. As such, with Research Management's approval, an analyst may refrain from assigning a target to a sub-\$5 stock.

## Legend for Rating and Price Target History Charts:

B = Buy

H = Hold

S = Sell

D = Drop Coverage

CS = Coverage Suspended

NR = Not Rated

I = Initiate Coverage

T = Transfer Coverage

### The prior rating system until Oct. 7, 2016:

3 designations based on total returns\* within a 12-month period\*\*

· Buy – total return ≥ 15% (10% for low-Beta securities)\*\*\*



- · Reduce total return ≤ negative 10% (5% for low Beta securities)
- · Neutral total return is within the bounds above
- · NR NOT RATED, STRH does not provide equity research coverage
- · CS Coverage Suspended
- \*Total return (price appreciation + dividends); \*\*Price targets are within a 12-month period, unless otherwise noted; \*\*\*Low Beta defined as securities with an average Beta of 0.8 or less, using Bloomberg's 5-year average

SunTrust Robinson Humphrey ratings distribution (as of 11/29/2017):

Coverage Univer	se		Investment Banking Clients Past 12 Months						
Rating	Count	Percent	Rating	Count	Percent				
Buy	422	60.89%	Buy	144	34.12%				
Hold/Neutral	268	38.67%	Hold/Neutral	63	23.51%				
Sell/Reduce	3	0.43%	Sell/Reduce	1	33.33%				

#### Other Disclosures

Information contained herein has been derived from sources believed to be reliable but is not guaranteed as to accuracy and does not purport to be a complete analysis of the security, company or industry involved. This report is not to be construed as an offer to sell or a solicitation of an offer to buy any security. SunTrust Robinson Humphrey, Inc. and/or its officers or employees may have positions in any securities, options, rights or warrants. The firm and/or associated persons may sell to or buy from customers on a principal basis. Investors may be prohibited in certain states from purchasing some over-the-counter securities mentioned herein. Opinions expressed are subject to change without notice. The information herein is for persons residing in the United States only and is not intended for any person in any other jurisdiction.

SunTrust Robinson Humphrey, Inc.'s research is provided to and intended for use by Institutional Accounts as defined in FINRA Rule 4512(c). The term "Institutional Account" shall mean the account of: (1) a bank, savings and loan association, insurance company or registered investment company; (2) an investment adviser registered either with the SEC under Section 203 of the Investment Advisers Act or with a state securities commission (or any agency or office performing like functions); or (3) any other person (whether a natural person, corporation, partnership, trust or otherwise) with total assets of at least \$50 million.

SunTrust Robinson Humphrey, Inc. is a registered broker-dealer and a member of FINRA and SIPC. It is a service mark of SunTrust Banks, Inc. SunTrust Robinson Humphrey, Inc. is owned by SunTrust Banks, Inc. ("SunTrust") and affiliated with SunTrust Investment Services, Inc. Despite this affiliation, securities recommended, offered, sold by, or held at SunTrust Robinson Humphrey, Inc. and at SunTrust Investment Services, Inc. (i) are not insured by the Federal Deposit Insurance Corporation; (ii) are not deposits or other obligations of any insured depository institution (including SunTrust Bank); and (iii) are subject to investment risks, including the possible loss of the principal amount invested. SunTrust Bank may have a lending relationship with companies mentioned herein.

Please see our Disclosure Database to search by ticker or company name for the current required disclosures, Link: https://suntrust.bluematrix.com/sellside/Disclosures.action

Please visit the STRH equity research library for current reports and the analyst roster with contact information, Link (password protected): STRH RESEARCH LIBRARY

SunTrust Robinson Humphrey, Inc., member FINRA and SIPC. SunTrust and SunTrust Robinson Humphrey are service marks of SunTrust Banks, Inc.



If you no longer wish to receive this type of communication, please request removal by sending an email to STRHEquityResearchDepartment@SunTrust.com

© SunTrust Robinson Humphrey, Inc. 2017. All rights reserved. Reproduction or quotation in whole or part without permission is forbidden.

**ADDITIONAL INFORMATION IS AVAILABLE** at our website, **www.suntrustrh.com**, or by writing to: SunTrust Robinson Humphrey, Research Department, 3333 Peachtree Road N.E., Atlanta, GA 30326-1070