BARCLAYS

Great Wall Motor Co., Ltd. Jan/Feb sales solid but not exciting

GWM reported monthly sales for February 2015 on 5 March. For Jan/Feb combined, GWM's unit sales were 140K units, up 16.8% y/y driven by strong SUV sales (+55% y/y) but offset by the soft performances for pickups (-15% y/y) and sedan sales (-60% y/y from high base). For February, GWM's sales were 52K units, up 3% y/y but down 41% m/m, negatively affected by the late Lunar New Year in 2015 (19 February 2015 vs. 31 January in 2014). We view this sets of result as not surprising, but we expect some investors will find it disappointing given the elevated expectations after GWM's strong performance in January (88K units, +27% y/y, +14% m/m) with both H6 and H2 sales at historical highs. Please see our report "*Great Wall Motor Co., Ltd.: Jan sales likely preloaded for the Lunar New Year*" for details).

GWM's average monthly sales volume for SUVs in 2M15 was 55.7K units, accounting for 80% of sales and increasing 55% y/y but down 9% m/m vs. Dec 2014, suggesting challenges in achieving sequential volume growth without new models even in the redhot SUV segment (SUV sales grew 36% y/y in 2014 vs. 10% for passenger vehicles). The average sales for the H6 for 2M15 were 28K units, 9% lower than the run-rate of 31K in 4Q14 – a data point some might find disappointing but we would view the sequential weakness as due to seasonality. As such, we will closely monitor March sales to see whether the H6 sales are indeed peaking out at about the 30K level.

Sedan sales worsened: Average monthly sales for sedans in 2M15 were 5.5K units (-60% y/y and -20% m/m vs. Dec 2014). **Pickup sales also lacklustre:** The average monthly sales for pickups in 2M15 were 8.8K units (-15% y/y and -1% m/m vs. Dec 2014).

We remain cautious on GWM: We see 1) downside risk in margins because GWM's new SUVs (H2, Coupe C, H7 and H9) start to compete more directly against the SUVs made by multinational OEMs and 2) price cutting has started for H6, which does not bode well for H6's sales volume. We believe the next catalyst for GWM will be its full-year results briefing for 2014 (scheduled for March 23) although GWM pre-announced on 26 January. We will be looking for more colour on 1) GWM's gross margin trend by model and 2) an update on its new model pipeline, particularly for the H8.

2333.HK: Financial and Valuation Metrics EPS CNY

FY Dec	2012	2013	2014	2015	2016
EPS	1.87A	2.70A	2.65E	3.11E	3.22E
Previous EPS	1.87A	2.70A	2.65E	3.11E	3.22E
Consensus EPS	1.87A	2.70A	2.65A	3.59E	4.26E
P/E	20.3	14.0	14.3	12.2	11.8

Source: Barclays Research.

Consensus numbers are from Thomson Reuters

Barclays Capital Inc. and/or one of its affiliates does and seeks to do business with companies covered in its research reports. As a result, investors should be aware that the firm may have a conflict of interest that could affect the objectivity of this report.

Investors should consider this report as only a single factor in making their investment decision.

This research report has been prepared in whole or in part by equity research analysts based outside the US who are not registered/qualified as research analysts with FINRA.

PLEASE SEE ANALYST CERTIFICATION(S) AND IMPORTANT DISCLOSURES BEGINNING ON PAGE 4.

Equity Research

Industrials | Asia ex-Japan Autos & Auto Parts 5 March 2015

Stock Rating	UNDERWEIGHT
	Unchanged
Industry View	NEUTRAL
	Unchanged
Price Target	HKD 37.00
	Unchanged
Price (05-Mar-2015)	HKD 46.90
Potential	-21%
Upside/Downside	
Tickers	2333 HK /
	2333.HK
Market Cap (USD mn)	21626
Shares Outstanding (mn)	3042.42
Free Float (%)	100.00
52 Wk Avg Daily Volume (m	nn) 9.5
52 Wk Avg Daily Value (USE	0.00 D mn)
Dividend Yield (%)	2.2
Return on Equity TTM (%)	26.79
Current BVPS (CNY)	10.21
Source: Thomson Reuters	
Price Performance	Exchange-HKG



Asia ex-Japan Autos & Auto Parts

Yang Song +852 2903 2489 yang.song@barclays.com Barclays Bank, Hong Kong

Joel Ying, CFA +852 2903 4732 joel.ying@barclays.com Barclays Bank, Hong Kong

Asia ex-Japan Autos & Auto Parts

Great Wall Motor Co., Ltd. (2333.HK)

			~~~~~		
Income statement (CNYmn)	2013A	2014E	2015E	2016E	CAGR
Revenue	56,784	62,599	78,905	83,335	13.6%
EBITDA (adj)	10,823	10,867	12,760	13,435	7.5%
EBIT (adj)	9,668	9,254	11,149	11,569	6.2%
Pre-tax income (adj)	9,920	9,650	11,400	11,820	6.0%
Net income (adj)	8,224	8,052	9,462	9,810	6.1%
EPS (adj) (CNY)	2.70	2.65	3.11	3.22	6.1%
Diluted shares (mn)	3,042.4	3,042.4	3,042.4	3,042.4	0.0%
DPS (CNY)	0.81	0.79	0.93	0.97	6.1%
Margin and return data					Average
EBITDA (adj) margin (%)	19.1	17.4	16.2	16.1	17.2
EBIT (adj) margin (%)	17.0	14.8	14.1	13.9	15.0
Pre-tax (adj) margin (%)	17.5	15.4	14.4	14.2	15.4
Net (adj) margin (%)	17.5	12.9	12.0	11.8	12.8
ROA (%)	17.3	14.3	14.3	12.8	14.7
ROE (%)	33.2	26.1	25.6	22.5	26.9
Balance sheet and cash flow (CN	VYmn)				CAGR
Tangible fixed assets	, 18,646	23,093	26,240	27,931	14.4%
Intangible fixed assets	2,443	2,383	2,325	3,268	10.2%
Cash and equivalents	6,991	7,654	10,832	15,009	29.0%
Total assets	52,605	59,915	72,428	80,950	15.5%
Short and long-term debt	182	0	0	00,550	-100.0%
Pension liabilities	0	0	0	0	N/A
Other long-term liabilities	1,757	2,057	2,057	2,057	5.4%
Total liabilities	24,597	26,271	32,163	33,818	11.2%
Net debt/(funds)	-6,808	-7,654	-10,832	-15,009	N/A
Shareholders' equity	27,996	33,632	40,255	47,123	19.0%
Change in working capital	-1,226	-324	-1,261	-293	N/A
Cash flow from operations	9,039	9,261	10,717	11,621	8.7%
Capital expenditure			4,700	3,000	-25.1%
Free cash flow	7,133 759	6,000 2,950	4,700	3,000 8,117	-25.1% 120.3%
Free cash now	759	2,950	4,044	0,117	120.5%
Valuation and leverage metrics					Average
P/E (adj) (x)	14.0	14.3	12.2	11.8	13.1
EV/EBITDA (adj) (x)	10.0	9.9	8.2	7.5	8.9
EV/EBIT (adj) (x)	11.2	11.6	9.4	8.7	10.2
Equity FCF yield (%)	1.3	2.1	3.5	4.3	2.8
EV/sales (x)	1.9	1.7	1.3	1.2	1.5
P/BV (x)	4.1	3.4	2.9	2.4	3.2
Dividend yield (%)	2.1	2.1	2.5	2.6	2.3
Total debt/capital (%)	0.3	0.0	0.0	0.0	0.1
Net debt/EBITDA (adj) (x)	-0.6	-0.7	-0.8	-1.1	-0.8
Selected operating metrics					Average
FCF/NI (x)	1.0	1.0	1.0	1.0	1.0
R&D/sales (%)	3.0	3.6	3.0	3.0	3.1
Capex/sales (%)	12.6	9.6	6.0	3.6	7.9
D&A/sales (%)	4.8	5.8	5.2	5.0	5.2

Source: Company data, Barclays Research Note: FY End Dec

#### Industry View: NEUTRAL

#### Stock Rating: UNDERWEIGHT

## Price (05-Mar-2015)HKD 46.90Price TargetHKD 37.00Why Underweight? We expect GWM's monthly sales

and margins to peak in 2015 as: 1) GWM's highestmargin vehicle, the Haval H6, faces strong competition from comparable models such as the CS75 and Tiggo 5, in addition to cannibalization from GWM's own new models (e.g. the H2); and 2) GWM's new models have lower margins due to higher content levels.

# Upside caseHKD 49.33Our upside case is based on 12x 2015E earnings and<br/>incorporates PV market growth in China higher than<br/>our base case forecast and also stronger-than-<br/>expected market share for GWM in the SUV market.

#### Downside case

HKD 28.78

Our downside case is based on 7x 2015E earnings and incorporates PV market growth in China lower than our base case forecast and also weaker-thanexpected market share for GWM in the SUV market.

#### Upside/Downside scenarios



#### FIGURE 1 GWM – sales for February

	Pickups				SUVs				S	edans		GWM
	Wingle	H5	H6	H2	H1	H9	M series	Total	C30	C50	Total	Total
Jan-15	10,557	2,353	36,117	15,207	7,542	3,066	5,741	70,026	4,609	2,856	7,504	88,087
Feb-15	6,964	1,421	20,186	10,561	4,604	1,819	2,690	41,281	2,294	1,248	3,542	51,788
y/y	-23%	-58%	11%	n.a	n.a	n.a	-69%	36%	-63%	-71%	-67%	3%
m/m	-34%	-40%	-44%	-31%	-39%	-41%	-53%	-41%	-50%	-56%	-53%	-41%
YTD 15	17,521	3,774	56,303	25,768	12,146	4,885	8,431	111,307	6,903	4,104	11,046	139,875
y/y	-15%	-53%	32%	n.a	n.a	n.a	-60%	55%	-56%	-62%	-60%	17%

Source: Company data, Barclays Research

#### ANALYST(S) CERTIFICATION(S):

I, Yang Song, hereby certify (1) that the views expressed in this research report accurately reflect my personal views about any or all of the subject securities or issuers referred to in this research report and (2) no part of my compensation was, is or will be directly or indirectly related to the specific recommendations or views expressed in this research report.

#### IMPORTANT DISCLOSURES

Barclays Research is a part of the Investment Bank of Barclays Bank PLC and its affiliates (collectively and each individually, "Barclays"). For current important disclosures regarding companies that are the subject of this research report, please send a written request to: Barclays Research Compliance, 745 Seventh Avenue, 14th Floor, New York, NY 10019 or refer to http://publicresearch.barclays.com or call 212-526-1072.

The analysts responsible for preparing this research report have received compensation based upon various factors including the firm's total revenues, a portion of which is generated by investment banking activities.

Research analysts employed outside the US by affiliates of Barclays Capital Inc. are not registered/qualified as research analysts with FINRA. These analysts may not be associated persons of the member firm and therefore may not be subject to NASD Rule 2711 and incorporated NYSE Rule 472 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst's account.

Analysts regularly conduct site visits to view the material operations of covered companies, but Barclays policy prohibits them from accepting payment or reimbursement by any covered company of their travel expenses for such visits.

In order to access Barclays Statement regarding Research Dissemination Policies and Procedures, please refer to https://live.barcap.com/publiccp/RSR/nyfipubs/disclaimer/disclaimer/disclaimer-research-dissemination.html. In order to access Barclays Research Conflict Management Policy Statement, please refer to: https://live.barcap.com/publiccp/RSR/nyfipubs/disclaimer/conflict-management.html.

The Investment Bank's Research Department produces various types of research including, but not limited to, fundamental analysis, equity-linked analysis, quantitative analysis, and trade ideas. Recommendations contained in one type of research product may differ from recommendations contained in other types of research, whether as a result of differing time horizons, methodologies, or otherwise.

#### Primary Stocks (Ticker, Date, Price)

Great Wall Motor Co., Ltd. (2333.HK, 05-Mar-2015, HKD 46.90), Underweight/Neutral, J

#### Disclosure Legend:

A: Barclays Bank PLC and/or an affiliate has been lead manager or co-lead manager of a publicly disclosed offer of securities of the issuer in the previous 12 months.

**B**: An employee of Barclays Bank PLC and/or an affiliate is a director of this issuer.

C: Barclays Bank PLC and/or an affiliate is a market-maker and/or liquidity provider in equity securities issued by this issuer or one of its affiliates.

D: Barclays Bank PLC and/or an affiliate has received compensation for investment banking services from this issuer in the past 12 months.

E: Barclays Bank PLC and/or an affiliate expects to receive or intends to seek compensation for investment banking services from this issuer within the next 3 months.

F: Barclays Bank PLC and/or an affiliate beneficially owned 1% or more of a class of equity securities of the issuer as of the end of the month prior to the research report's issuance.

G: One of the analysts on the coverage team (or a member of his or her household) owns shares of the common stock of this issuer.

H: This issuer beneficially owns 5% or more of any class of common equity securities of Barclays Bank PLC.

I: Barclays Bank PLC and/or an affiliate has a significant financial interest in the securities of this issuer.

J: Barclays Bank PLC and/or an affiliate trades regularly in the securities of this issuer.

K: Barclays Bank PLC and/or an affiliate has received non-investment banking related compensation from this issuer within the past 12 months.

L: This issuer is, or during the past 12 months has been, an investment banking client of Barclays Bank PLC and/or an affiliate.

M: This issuer is, or during the past 12 months has been, a non-investment banking client (securities related services) of Barclays Bank PLC and/or an affiliate.

N: This issuer is, or during the past 12 months has been, a non-investment banking client (non-securities related services) of Barclays Bank PLC and/or an affiliate.

**O:** Barclays Capital Inc., through Barclays Market Makers, is a Designated Market Maker in this issuer's stock, which is listed on the New York Stock Exchange. At any given time, its associated Designated Market Maker may have "long" or "short" inventory position in the stock; and its associated Designated Market Maker may be on the opposite side of orders executed on the floor of the New York Stock Exchange in the stock.

**P**: A partner, director or officer of Barclays Capital Canada Inc. has, during the preceding 12 months, provided services to the subject company for remuneration, other than normal course investment advisory or trade execution services.

**Q**: Barclays Bank PLC and/or an affiliate is a Corporate Broker to this issuer.

**R**: Barclays Capital Canada Inc. and/or an affiliate has received compensation for investment banking services from this issuer in the past 12 months.

#### IMPORTANT DISCLOSURES CONTINUED

S: Barclays Capital Canada Inc. is a market-maker in an equity or equity related security issued by this issuer.

T: Barclays Bank PLC and/or an affiliate is providing equity advisory services to this issuer.

#### Risk Disclosure(s)

Master limited partnerships (MLPs) are pass-through entities structured as publicly listed partnerships. For tax purposes, distributions to MLP unit holders may be treated as a return of principal. Investors should consult their own tax advisors before investing in MLP units.

#### Guide to the Barclays Fundamental Equity Research Rating System:

Our coverage analysts use a relative rating system in which they rate stocks as Overweight, Equal Weight or Underweight (see definitions below) relative to other companies covered by the analyst or a team of analysts that are deemed to be in the same industry (the "industry coverage universe").

In addition to the stock rating, we provide industry views which rate the outlook for the industry coverage universe as Positive, Neutral or Negative (see definitions below). A rating system using terms such as buy, hold and sell is not the equivalent of our rating system. Investors should carefully read the entire research report including the definitions of all ratings and not infer its contents from ratings alone.

#### Stock Rating

**Overweight** - The stock is expected to outperform the unweighted expected total return of the industry coverage universe over a 12-month investment horizon.

Equal Weight - The stock is expected to perform in line with the unweighted expected total return of the industry coverage universe over a 12month investment horizon.

**Underweight** - The stock is expected to underperform the unweighted expected total return of the industry coverage universe over a 12-month investment horizon.

**Rating Suspended** - The rating and target price have been suspended temporarily due to market events that made coverage impracticable or to comply with applicable regulations and/or firm policies in certain circumstances including where the Investment Bank of Barclays Bank PLC is acting in an advisory capacity in a merger or strategic transaction involving the company.

#### Industry View

Positive - industry coverage universe fundamentals/valuations are improving.

Neutral - industry coverage universe fundamentals/valuations are steady, neither improving nor deteriorating.

**Negative** - industry coverage universe fundamentals/valuations are deteriorating.

Below is the list of companies that constitute the "industry coverage universe":

#### Asia ex-Japan Autos & Auto Parts

Ashok Leyland Ltd. (ASOK.NS)	Bajaj Auto Ltd. (BAJA.NS)	Bharat Forge (BFRG.NS)
Brilliance China Automotive Holdings Ltd. (1114.HK)	BYD Co., Ltd. (1211.HK)	Cheng Shin Rubber Industry Co., Ltd. (2105.TW)
CUB Elecparts (2231.TW)	Dongfeng Motor Group Co., Ltd. (0489.HK)	Exide Industries (EXID.NS)
Geely Automobile Holdings Ltd. (0175.HK)	Great Wall Motor Co., Ltd. (2333.HK)	Guangzhou Automobile Group Co., Ltd. (2238.HK)
Halla Visteon Climate Control (018880.KS)	Hankook Tire Co., Ltd. (161390.KS)	Hero Motocorp Ltd. (HROM.NS)
Hyundai Glovis Co., Ltd. (086280.KS)	Hyundai Mobis (012330.KS)	Hyundai Motor Company (005380.KS)
Hyundai Wia Corp. (011210.KS)	Iron Force (2228.TW)	Kia Motors Corporation (000270.KS)
Macauto Industrial (9951.TWO)	Mahindra & Mahindra Ltd. (MAHM.NS)	Mando Corp. (204320.KS)
Maruti Suzuki India Limited (MRTI.NS)	Motherson Sumi Systems (MOSS.NS)	Nexen Tire Corp. (002350.KS)
Tata Motors Ltd. (TAMO.NS)	TVS Motor Co., Ltd. (TVSM.NS)	

#### Distribution of Ratings:

Barclays Equity Research has 2688 companies under coverage.

43% have been assigned an Overweight rating which, for purposes of mandatory regulatory disclosures, is classified as a Buy rating; 54% of companies with this rating are investment banking clients of the Firm.

41% have been assigned an Equal Weight rating which, for purposes of mandatory regulatory disclosures, is classified as a Hold rating; 45% of companies with this rating are investment banking clients of the Firm.

14% have been assigned an Underweight rating which, for purposes of mandatory regulatory disclosures, is classified as a Sell rating; 42% of companies with this rating are investment banking clients of the Firm.

#### Guide to the Barclays Research Price Target:

Each analyst has a single price target on the stocks that they cover. The price target represents that analyst's expectation of where the stock will

#### IMPORTANT DISCLOSURES CONTINUED

trade in the next 12 months. Upside/downside scenarios, where provided, represent potential upside/potential downside to each analyst's price target over the same 12-month period.

#### **Top Picks:**

Barclays Equity Research's "Top Picks" represent the single best alpha-generating investment idea within each industry (as defined by the relevant "industry coverage universe"), taken from among the Overweight-rated stocks within that industry. Barclays Equity Research publishes global and regional "Top Picks" reports every quarter and analysts may also publish intra-quarter changes to their Top Picks, as necessary. While analysts may highlight other Overweight-rated stocks in their published research in addition to their Top Pick, there can only be one "Top Pick" for each industry. The current list of Top Picks is available on https://live.barcap.com/go/RSL/servlets/dv.search?pubType=4526&contentType=latest.

To see a list of companies that comprise a particular industry coverage universe, please go to http://publicresearch.barclays.com.

Barclays offices involved in the production of equity research:

London Barclays Bank PLC (Barclays, London) New York Barclays Capital Inc. (BCI, New York) Tokyo Barclays Securities Japan Limited (BSJL, Tokyo) São Paulo Banco Barclays S.A. (BBSA, São Paulo) Hong Kong Barclays Bank PLC, Hong Kong branch (Barclays Bank, Hong Kong) Toronto Barclays Capital Canada Inc. (BCCI, Toronto) Johannesburg Absa Bank Limited (Absa, Johannesburg) Mexico City Barclays Bank Mexico, S.A. (BBMX, Mexico City) Taiwan Barclays Capital Securities Taiwan Limited (BCSTW, Taiwan) Seoul Barclays Capital Securities Limited (BCSL, Seoul) Mumbai Barclays Securities (India) Private Limited (BSIPL, Mumbai) Singapore Barclays Bank PLC, Singapore branch (Barclays Bank, Singapore)

#### IMPORTANT DISCLOSURES CONTINUED

#### Great Wall Motor Co., Ltd. (2333 HK / 2333.HK) HKD 46.90 (05-Mar-2015)



Stock Rating			Industry View		
UNDERWEIGHT NEUTRAL					
Currency=HKD					
Date	<b>Closing Price</b>	Rating	Adjusted Price Target		
16-Jan-2015	41.20	Underweight	37.00		
24-Oct-2014	30.85		30.00		
14-Jul-2014	30.25		32.00		
08-May-2014	32.80		34.00		
07-May-2014	32.80	Equal Weight	35.50		
-					

Source: Thomson Reuters, Barclays Research

Historical stock prices and price targets may have been adjusted for stock splits and dividends.

Source: IDC, Barclays Research

Link to Barclays Live for interactive charting

J: Barclays Bank PLC and/or an affiliate trades regularly in the securities of Great Wall Motor Co., Ltd..

Valuation Methodology: Our 12-month price target for GWM of HK\$37 is based on a P/E multiple of 9x applied to our 2015E EPS of RMB3.11. Our target multiple is just the average trading multiple of global auto OEMs (9x 2015E), which we believe is appropriate given our expectation that GWM's dominance in the sub-RMB150K SUV market while is likely to only last a few more years.

Risks which May Impede the Achievement of the Barclays Research Price Target: The key upside risks to our and price target, in our view, include the following: 1) higher-than-expected margins, especially for new SUVs; 2) higher-than-expected sales volumes of HAVAL SUVs; and 3) the removal of uncertainty on H8.

#### DISCLAIMER:

This publication has been prepared by the Investment Bank of Barclays Bank PLC and/or one or more of its affiliates (collectively and each individually, "Barclays"). It has been issued by one or more Barclays legal entities that are a part of the Investment Bank as provided below. It is provided to our clients for information purposes only, and Barclays makes no express or implied warranties, and expressly disclaims all warranties of merchantability or fitness for a particular purpose or use with respect to any data included in this publication. Barclays will not treat unauthorized recipients of this report as its clients. Prices shown are indicative and Barclays is not offering to buy or sell or soliciting offers to buy or sell any financial instrument.

Without limiting any of the foregoing and to the extent permitted by law, in no event shall Barclays, nor any affiliate, nor any of their respective officers, directors, partners, or employees have any liability for (a) any special, punitive, indirect, or consequential damages; or (b) any lost profits, lost revenue, loss of anticipated savings or loss of opportunity or other financial loss, even if notified of the possibility of such damages, arising from any use of this publication or its contents.

Other than disclosures relating to Barclays, the information contained in this publication has been obtained from sources that Barclays Research believes to be reliable, but Barclays does not represent or warrant that it is accurate or complete. Barclays is not responsible for, and makes no warranties whatsoever as to, the content of any third-party web site accessed via a hyperlink in this publication and such information is not incorporated by reference.

The views in this publication are those of the author(s) and are subject to change, and Barclays has no obligation to update its opinions or the information in this publication. The analyst recommendations in this publication reflect solely and exclusively those of the author(s), and such opinions were prepared independently of any other interests, including those of Barclays and/or its affiliates. This publication does not constitute personal investment advice or take into account the individual financial circumstances or objectives of the clients who receive it. The securities discussed herein may not be suitable for all investors. Barclays recommends that investors independently evaluate each issuer, security or instrument discussed herein and consult any independent advisors they believe necessary. The value of and income from any investment may fluctuate from day to day as a result of changes in relevant economic markets (including changes in market liquidity). The information herein is not intended to predict actual results, which may differ substantially from those reflected. Past performance is not necessarily indicative of future results.

This material has been issued and approved for distribution in the UK and European Economic Area by Barclays Bank PLC. It is being made available primarily to persons who are investment professionals as that term is defined in Article 19 of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005. It is directed at, and therefore should only be relied upon by, persons who have professional experience in matters relating to investments. The investments to which it relates are available only to such persons and will be entered into only with such persons. Barclays Bank PLC is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority and is a member of the London Stock Exchange.

The Investment Bank of Barclays Bank PLC undertakes U.S. securities business in the name of its wholly owned subsidiary Barclays Capital Inc., a FINRA and SIPC member. Barclays Capital Inc., a U.S. registered broker/dealer, is distributing this material in the United States and, in connection therewith accepts responsibility for its contents. Any U.S. person wishing to effect a transaction in any security discussed herein should do so only by contacting a representative of Barclays Capital Inc. in the U.S. at 745 Seventh Avenue, New York, New York 10019.

Non-U.S. persons should contact and execute transactions through a Barclays Bank PLC branch or affiliate in their home jurisdiction unless local regulations permit otherwise.

Barclays Bank PLC, Paris Branch (registered in France under Paris RCS number 381 066 281) is regulated by the Autorité des marchés financiers and the Autorité de contrôle prudentiel. Registered office 34/36 Avenue de Friedland 75008 Paris.

This material is distributed in Canada by Barclays Capital Canada Inc., a registered investment dealer, a Dealer Member of IIROC (www.iiroc.ca), and a Member of the Canadian Investor Protection Fund(CIPF).

Subject to the conditions of this publication as set out above, the Corporate & Investment Banking Division of Absa Bank Limited, an authorised financial services provider (Registration No.: 1986/004794/06. Registered Credit Provider Reg No NCRCP7), is distributing this material in South Africa. Absa Bank Limited is regulated by the South African Reserve Bank. This publication is not, nor is it intended to be, advice as defined and/or contemplated in the (South African) Financial Advisory and Intermediary Services Act, 37 of 2002, or any other financial, investment, trading, tax, legal, accounting, retirement, actuarial or other professional advice or service whatsoever. Any South African person or entity wishing to effect a transaction in any security discussed herein should do so only by contacting a representative of the Corporate & Investment Banking Division of Absa Bank Limited in South Africa, 15 Alice Lane, Sandton, Johannesburg, Gauteng 2196. Absa Bank Limited is a member of the Barclays group.

In Japan, foreign exchange research reports are prepared and distributed by Barclays Bank PLC Tokyo Branch. Other research reports are distributed to institutional investors in Japan by Barclays Securities Japan Limited. Barclays Securities Japan Limited is a joint-stock company incorporated in Japan with registered office of 6-10-1 Roppongi, Minato-ku, Tokyo 106-6131, Japan. It is a subsidiary of Barclays Bank PLC and a registered financial instruments firm regulated by the Financial Services Agency of Japan. Registered Number: Kanto Zaimukyokucho (kinsho) No. 143.

Barclays Bank PLC, Hong Kong Branch is distributing this material in Hong Kong as an authorised institution regulated by the Hong Kong Monetary Authority. Registered Office: 41/F, Cheung Kong Center, 2 Queen's Road Central, Hong Kong.

Information on securities/instruments that trade in Taiwan or written by a Taiwan-based research analyst is distributed by Barclays Capital Securities Taiwan Limited to its clients. The material on securities/instruments not traded in Taiwan is not to be construed as 'recommendation' in Taiwan. Barclays Capital Securities Taiwan Limited does not accept orders from clients to trade in such securities. This material may not be distributed to the public media or used by the public media without prior written consent of Barclays.

This material is distributed in South Korea by Barclays Capital Securities Limited, Seoul Branch.

All equity research material is distributed in India by Barclays Securities (India) Private Limited (SEBI Registration No: INB/INF 231292732 (NSE), INB/INF 011292738 (BSE) | Corporate Identification Number: U67120MH2006PTC161063 | Registered Office: 208 | Ceejay House | Dr. Annie Besant Road | Shivsagar Estate | Worli | Mumbai - 400 018 | India, Phone: + 91 22 67196363). Other research reports are distributed in India by Barclays Bank PLC, India Branch.

Barclays Bank PLC Frankfurt Branch distributes this material in Germany under the supervision of Bundesanstalt für Finanzdienstleistungsaufsicht (BaFin).

This material is distributed in Malaysia by Barclays Capital Markets Malaysia Sdn Bhd.

This material is distributed in Brazil by Banco Barclays S.A.

This material is distributed in Mexico by Barclays Bank Mexico, S.A.

Barclays Bank PLC in the Dubai International Financial Centre (Registered No. 0060) is regulated by the Dubai Financial Services Authority (DFSA). Principal place of business in the Dubai International Financial Centre: The Gate Village, Building 4, Level 4, PO Box 506504, Dubai, United Arab Emirates. Barclays

Bank PLC-DIFC Branch, may only undertake the financial services activities that fall within the scope of its existing DFSA licence. Related financial products or services are only available to Professional Clients, as defined by the Dubai Financial Services Authority.

Barclays Bank PLC in the UAE is regulated by the Central Bank of the UAE and is licensed to conduct business activities as a branch of a commercial bank incorporated outside the UAE in Dubai (Licence No.: 13/1844/2008, Registered Office: Building No. 6, Burj Dubai Business Hub, Sheikh Zayed Road, Dubai (City) and Abu Dhabi (Licence No.: 13/952/2008, Registered Office: Al Jazira Towers, Hamdan Street, PO Box 2734, Abu Dhabi).

Barclays Bank PLC in the Qatar Financial Centre (Registered No. 00018) is authorised by the Qatar Financial Centre Regulatory Authority (QFCRA). Barclays Bank PLC-QFC Branch may only undertake the regulated activities that fall within the scope of its existing QFCRA licence. Principal place of business in Qatar: Qatar Financial Centre, Office 1002, 10th Floor, QFC Tower, Diplomatic Area, West Bay, PO Box 15891, Doha, Qatar. Related financial products or services are only available to Business Customers as defined by the Qatar Financial Centre Regulatory Authority.

This material is distributed in the UAE (including the Dubai International Financial Centre) and Qatar by Barclays Bank PLC.

This material is distributed in Russia by OOO Barclays Capital, affiliated company of Barclays Bank PLC, registered and regulated in Russia by the FSFM. Broker License #177-11850-100000; Dealer License #177-11855-010000. Registered address in Russia: 125047 Moscow, 1st Tverskaya-Yamskaya str. 21.

This material is distributed in Singapore by the Singapore branch of Barclays Bank PLC, a bank licensed in Singapore by the Monetary Authority of Singapore. For matters in connection with this report, recipients in Singapore may contact the Singapore branch of Barclays Bank PLC, whose registered address is One Raffles Quay Level 28, South Tower, Singapore 048583.

Barclays Bank PLC, Australia Branch (ARBN 062 449 585, AFSL 246617) is distributing this material in Australia. It is directed at 'wholesale clients' as defined by Australian Corporations Act 2001.

IRS Circular 230 Prepared Materials Disclaimer: Barclays does not provide tax advice and nothing contained herein should be construed to be tax advice. Please be advised that any discussion of U.S. tax matters contained herein (including any attachments) (i) is not intended or written to be used, and cannot be used, by you for the purpose of avoiding U.S. tax-related penalties; and (ii) was written to support the promotion or marketing of the transactions or other matters addressed herein. Accordingly, you should seek advice based on your particular circumstances from an independent tax advisor.

© Copyright Barclays Bank PLC (2015). All rights reserved. No part of this publication may be reproduced or redistributed in any manner without the prior written permission of Barclays. Barclays Bank PLC is registered in England No. 1026167. Registered office 1 Churchill Place, London, E14 5HP. Additional information regarding this publication will be furnished upon request.

#### US08-000001