

JPM-pp1

Asia Pacific Equity Research

23 March 2015

## China Foods Ltd (506 HK)

Neutral

Price: HK\$2.91

20 Mar 2015

Price Target: HK\$2.20

PT End Date: 31 Dec 2015

FY14 Preview - Reporting on 24 March 2015

China Foods is expected to report its FY14 result on 24 March, 2015 during lunch break. The company will hold its briefing around 11:00am on 25 March, 2015, Hong Kong time.

- **Beverages struggling for growth while wine segment is showing improvement.** We believe China Food's beverage segment sales momentum deteriorated notably in 2H14 given comments from Coca Cola on their China performance. We believe the recovery in wine segment sales (thanks to low- to mid-end products as distributors start to restock this segment in 2H14 while high-end remained weak) will not be sufficient to offset this and kitchen foods segment sales remain weak as well. For 2HFY14 we expect China Foods to deliver c8% y/y decline in sales and HK\$104mn net loss (vs HK\$135mn net loss in 1H14). We maintain our Neutral rating as: i) worst seems to be over for the wine division, and ii) that the parent COFCO was one of six state-owned companies picked by the State-Owned Assets Supervision and Administration Commission (SASAC) for "SOE reform trials. However to turn more positive on the stock we would like to see: i) more evidence of a focus on returns and capital deployment, in particular for its underperforming business (Kitchen Foods and Confectionary), and ii) some recovery in the beverage segment which is key to the company accounting for c50% of sales and almost entire EBIT.

- **2H14 preview:** We expect to see China Foods' sales to decline c8% in 2H14. This is a result of quite a mixed bag; weak kitchen foods, weakening beverage and stronger wine sales. We expect 15% y/y decline in kitchen foods sales and we expect only 4% increase in beverage segment sales (vs 15% growth in 1H14). We believe there could be some downside risk to our beverage sales estimates given Coca Cola's comments on China in 4Q14 (noted that unit case volume in China was down 3% y/y in 4Q14). For wine division we expect 9% y/y increase in sales thanks to low- to mid-end products as distributors start to restock this segment in 2H14 while high-end remained weak. Margin wise, we expect to see some improvement on y/y basis as wine sales recover and company continues to work with a tight discipline on opex side as witnessed in 1H14 results. Nevertheless, we still expect China Foods to report HK\$104mn net loss (vs HK\$135mn net loss in 1H14).

- **Key issue to look out for during result briefing:** 1) Guidance of profitability on kitchen food division and the competition landscape, 2) Beverages sales outlook given recent weakness in 2H14 and new product pipeline for beverage and the promotional programs, 3) Wine division profitability outlook for 2015, outlook on high-end wine products.

Table 1: JPM's estimates on China Foods' 2H14E and FY14E results

HKD mn	2H13	2H14E	% chg y/y	FY13	FY14E	% chg y/y
<b>Sales revenue</b>	<b>12,298</b>	<b>11,344</b>	-7.8%	<b>26,218</b>	<b>25,111</b>	-4.2%
<b>Gross profit</b>	<b>2,391</b>	<b>2,583</b>	8.1%	<b>5,284</b>	<b>5,780</b>	9.4%
Gross margin	19.4%	22.8%		20.2%	23.0%	
Other income	222	199	-10.3%	304	313	3.0%
Total operating expenses	(3,071)	(2,607)	-15.1%	(6,019)	(6,009)	-0.2%
<b>EBIT</b>	<b>(458)</b>	<b>(24)</b>	-94.8%	<b>(431)</b>	<b>84</b>	-119.6%
EBIT margin	-3.7%	-0.2%		-1.6%	0.3%	
Net Interest income	(41)	(32)	-22.4%	(77)	(56)	-27.9%
Associates	66	50	-25.3%	114	120	5.0%
<b>Pretax profit</b>	<b>(433)</b>	<b>(6)</b>	-98.6%	<b>(395)</b>	<b>148</b>	-137.6%
Tax	(83)	(71)	-13.9%	(312)	(200)	-35.9%
Effective tax rate	19.1%	1168.6%		79.0%	-80.0%	
Minority interests	(69)	(26)	-62.4%	(183)	(187)	2.0%
<b>Net profit</b>	<b>(585)</b>	<b>(104)</b>	-82.3%	<b>(890)</b>	<b>(239)</b>	-73.2%
Net margin	-4.8%	-0.9%		-3.4%	-0.9%	

Source: Company reports. Source: Company data and J.P. Morgan estimates.

Table 2: Revenue, Gross Profit and EBIT breakdown by product category

HKD mn	1H11	2H11	1H12	2H12	1H13	2H13	1H14	2H14E
<b>Revenue</b>								
Wines	1,753	1,941	1,956	1,930	1,131	716	1,084	780
Beverages	5,313	5,204	6,134	4,976	5,995	5,394	6,897	5,621
Kitchen foods	6,172	6,968	7,085	7,890	6,411	5,865	5,376	4,975
Confectionary	244	416	308	417	252	183	217	161
Others	0	0	96	86	132	139	193	-193

Total revenue	13,482	14,529	15,579	15,300	13,921	12,298	13,767	11,344
<b>Revenue Growth</b>								
Wines	20.4%	17.0%	11.6%	-0.5%	-42.2%	-62.9%	-4.2%	8.9%
Beverages	34.4%	31.1%	15.4%	-4.4%	-2.3%	8.4%	15.0%	4.2%
Kitchen foods	116.3%	26.9%	14.8%	13.2%	-9.5%	-25.7%	-16.1%	-15.2%
Confectionary	33.2%	5.7%	26.6%	0.4%	-18.3%	-56.2%	-13.7%	-12.0%
Total revenue	59.7%	26.2%	15.5%	5.3%	-10.6%	-19.6%	-1.1%	-7.8%
<b>Gross profit</b>								
Wines	1,120	1,273	1,213	1,201	593	353	442	324
Beverages	1,381	1,396	1,681	1,441	1,813	1,683	2,204	1,765
Kitchen foods	579	604	439	160	368	307	491	440
Confectionary	106	202	126	230	105	61	66	47
Others	0	0	0	0	14	-14	-6	6
Total gross profit	3,187	3,476	3,458	3,031	2,893	2,391	3,197	2,577
<b>Gross margin</b>								
Wines	63.9%	65.6%	62.0%	62.2%	52.4%	49.3%	40.8%	41.5%
Beverages	26.0%	26.8%	27.4%	29.0%	30.2%	31.2%	31.9%	31.4%
Kitchen foods	9.4%	8.7%	6.2%	2.0%	5.7%	5.2%	9.1%	8.8%
Confectionary	43.6%	48.7%	40.8%	55.0%	41.8%	33.5%	30.4%	29.5%
Group gross margin	23.6%	23.9%	22.2%	19.8%	20.8%	19.4%	23.2%	22.7%
<b>EBIT</b>								
Wines	300	334	450	86	-86	-368	-56	-18
Beverages	275	256	311	268	326	170	391	115
Kitchen foods	74	88	46	-276	-126	-26	-61	-4
Confectionary	-42	-53	-13	-44	-71	-152	-74	-83
Total EBIT	608	541	761	1	27	-458	108	-24
<b>EBIT margin</b>								
Wines	17.1%	17.2%	23.0%	4.4%	-7.6%	-51.4%	-5.2%	-2.3%
Beverages	5.2%	4.9%	5.1%	5.4%	5.4%	3.2%	5.7%	2.0%
Kitchen foods	1.2%	1.3%	0.7%	-3.5%	-2.0%	-0.4%	-1.1%	-0.1%
Confectionary	-17.1%	-12.8%	-4.2%	-10.5%	-28.0%	-83.2%	-34.0%	-51.8%
	4.5%	3.7%	4.9%	0.0%	0.2%	-3.7%	0.8%	-0.2%

Source: Company reports. Source: Company data and J.P. Morgan estimates.

## Investment Thesis

We maintain our Neutral rating, as: 1) the worst seems to be over for the wine division and 2) the parent COFCO was one of six state-owned companies picked by the State-Owned Assets Supervision and Administration Commission (SASAC) for 'SOE reform trials'. However, to turn more positive on the stock we would like to see: 1) more evidence of a focus on returns and capital deployment, in particular for its underperforming business (Kitchen Foods and Confectionary) and 2) some recovery in the beverage segment which is key to the company, accounting for c50% of sales and almost the entire EBIT.

## Valuation

Our Dec-15 PT is HK\$2.20. We adopt a PE of 23x (in line with the staple sector average) and have used 2016E EPS (where margins are getting close to normalized levels in our view) and discount that back to Dec-15. The PT cut is mainly driven by the earnings revisions.

## Risks to Rating and Price Target

Key downside risks to our rating and price target include a continuing sharp revenue and margin decline in the wine business in 2014 and a sudden increase in input costs.

Key upside risks to our rating and price target include: improving momentum in wine sales and faster-than-expected sales growth in beverages.

---

Consumer

AC

Ebru Sener Kurumlu

(852) 2800-8521

ebru.sener@jpmorgan.com

Bloomberg JPMA KURUMLU <GO>

Shen Li, CFA

(852) 2800 8523

shen.w.li@jpmorgan.com

George Hsu

(852) 2800-8559

george.hsu@jpmorgan.com

Dylan Chu

(852) 2800-8537

dylan.chu@jpmorgan.com

J.P. Morgan Securities (Asia Pacific) Limited

---

[www.jpmorganmarkets.com](http://www.jpmorganmarkets.com)

**Analyst Certification:** The research analyst(s) denoted by an “AC” on the cover of this report certifies (or, where multiple research analysts are primarily responsible for this report, the research analyst denoted by an “AC” on the cover or within the document individually certifies, with respect to each security or issuer that the research analyst covers in this research) that: (1) all of the views expressed in this report accurately reflect his or her personal views about any and all of the subject securities or issuers; and (2) no part of any of the research analyst's compensation was, is, or will be directly or indirectly related to the specific recommendations or views expressed by the research analyst(s) in this report. For all Korea-based research analysts listed on the front cover, they also certify, as per KOFIA requirements, that their analysis was made in good faith and that the views reflect their own opinion, without undue influence or intervention.

J.P. Morgan 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.

## Important Disclosures

**Company-Specific Disclosures:** Important disclosures, including price charts and credit opinion history tables, are available for compendium reports and all J.P. Morgan–covered companies by visiting <https://jpm.com/research/disclosures>, calling 1-800-477-0406, or e-mailing [research.disclosure.inquiries@jpmorgan.com](mailto:research.disclosure.inquiries@jpmorgan.com) with your request. J.P. Morgan’s Strategy, Technical, and Quantitative Research teams may screen companies not covered by J.P. Morgan. For important disclosures for these companies, please call 1-800-477-0406 or e-mail [research.disclosure.inquiries@jpmorgan.com](mailto:research.disclosure.inquiries@jpmorgan.com).

Date	Rating	Share Price (HK\$)	Price Target (HK \$)
11-Oct-06	OW	6.68	7.00
01-Nov-06	OW	7.37	7.65
04-Jun-07	OW	4.97	5.80
08-Aug-07	OW	4.83	6.30
19-Sep-07	OW	5.29	6.00
15-Apr-08	OW	4.25	5.50
23-Sep-08	OW	2.53	4.10
25-Jan-11	N	4.76	5.30
29-Mar-11	N	4.95	5.00
30-Aug-11	N	6.18	6.00
12-Oct-11	N	5.59	5.00
10-Mar-12	OW	6.96	8.00
01-Apr-12	OW	7.78	8.40
29-Aug-12	OW	7.08	8.60
15-Sep-12	OW	7.24	9.20
02-Nov-12	OW	8.01	10.00
16-Jan-13	OW	7.24	11.70
07-Feb-13	N	6.66	5.80
27-Mar-13	N	4.73	5.20
01-May-13	N	3.97	4.20
28-Aug-13	N	3.05	2.50
13-Nov-13	N	3.23	2.70
07-Jul-14	N	2.87	2.50
24-Sep-14	N	3.19	3.30
25-Feb-15	N	2.60	2.20

The chart(s) show J.P. Morgan's continuing coverage of the stocks; the current analysts may or may not have covered it over the entire period.

J.P. Morgan ratings or designations: OW = Overweight, N= Neutral, UW = Underweight, NR = Not Rated

### Explanation of Equity Research Ratings, Designations and Analyst(s) Coverage Universe:

J.P. Morgan uses the following rating system: Overweight [Over the next six to twelve months, we expect this stock will outperform the average total return of the stocks in the analyst’s (or the analyst’s team’s) coverage universe.] Neutral [Over the next six to twelve months, we expect this stock will perform in line with the average total return of the stocks in the analyst’s (or the analyst’s team’s) coverage universe.] Underweight [Over the next six to twelve months, we expect this stock will underperform the average total return of the stocks in the analyst’s (or the analyst’s team’s) coverage universe.] Not Rated (NR): J.P. Morgan has removed the rating and, if applicable, the price target, for this stock because of either a lack of a sufficient fundamental basis or for legal, regulatory or policy reasons. The previous rating and, if applicable, the price target, no longer should be relied upon. An NR designation is not a recommendation or a rating. In our Asia (ex-Australia) and U.K. small- and mid-cap equity research, each stock’s expected total return is compared to the expected total return of a benchmark country market index, not to those analysts’ coverage universe. If it does not appear in the Important Disclosures section of this report, the certifying analyst’s coverage universe can be found on J.P. Morgan’s research website, [www.jpmorganmarkets.com](http://www.jpmorganmarkets.com).

**Coverage Universe: Sener Kurumlu, Ebru:** Ajisen China Holdings Ltd (0538.HK), Belle International Holdings Ltd. (1880.HK), Cafe de Coral Holdings Ltd (0341.HK), China Foods Ltd (0506.HK), China Mengniu Dairy Co. Ltd. (2319.HK), China Resources Enterprise (0291.HK), Chow Tai Fook Jewellery Company Ltd. (1929.HK), Esprit Holdings (0330.HK), Golden Eagle Retail Group Ltd (3308.HK), Hengan International Group Ltd (1044.HK), Li & Fung (0494.HK), Lifestyle International Holdings (1212.HK), New World Department Stores Ltd (0825.HK), Parkson Retail Group Ltd (3368.HK), Prada S.P.A (1913.HK), Tibet 5100 Water Resources Holdings Ltd (1115.HK), Tingyi (Cayman Islands) Holding Corp (0322.HK), Tsingtao Brewery - A (600600.SS), Tsingtao Brewery - H (0168.HK), Uni-President China Holdings Ltd (0220.HK), Want Want China Holdings Ltd (0151.HK)

### J.P. Morgan Equity Research Ratings Distribution, as of January 1, 2015

	Overweight (buy)	Neutral (hold)	Underweight (sell)
J.P. Morgan Global Equity Research Coverage	45%	43%	12%
IB clients*	56%	49%	33%
JPMS Equity Research Coverage	45%	48%	7%
IB clients*	75%	67%	52%

\*Percentage of investment banking clients in each rating category.

For purposes only of FINRA/NYSE ratings distribution rules, our Overweight rating falls into a buy rating category; our Neutral rating falls into a hold rating category; and our Underweight rating falls into a sell rating category. Please note that stocks with an NR designation are not included in the table above.

**Equity Valuation and Risks:** For valuation methodology and risks associated with covered companies or price targets for covered companies, please see the most recent company-specific research report at <http://www.jpmorganmarkets.com>, contact the primary analyst or your J.P. Morgan representative, or email [research.disclosure.inquiries@jpmorgan.com](mailto:research.disclosure.inquiries@jpmorgan.com).

**Equity Analysts' Compensation:** The equity research analysts responsible for the preparation of this report receive compensation based upon various factors, including the quality and accuracy of research, client feedback, competitive factors, and overall firm revenues.

**Registration of non-US Analysts:** Unless otherwise noted, the non-US analysts listed on the front of this report are employees of non-US affiliates of JPMS, are not registered/qualified as research analysts under NASD/NYSE rules, may not be associated persons of JPMS, and may not be subject to FINRA Rule 2711 and NYSE Rule 472 restrictions on communications with covered companies, public appearances, and trading securities held by a research analyst account.

## Other Disclosures

J.P. Morgan ("JPM") is the global brand name for J.P. Morgan Securities LLC ("JPMS") and its affiliates worldwide. J.P. Morgan Cazenove is a marketing name for the U.K. investment banking businesses and EMEA cash equities and equity research businesses of JPMorgan Chase & Co. and its subsidiaries.

All research reports made available to clients are simultaneously available on our client website, J.P. Morgan Markets. Not all research content is redistributed, e-mailed or made available to third-party aggregators. For all research reports available on a particular stock, please contact your sales representative.

### Legal Entities Disclosures

**U.S.:** JPMS is a member of NYSE, FINRA, SIPC and the NFA. JPMorgan Chase Bank, N.A. is a member of FDIC. **U.K.:** JPMorgan Chase N.A., London Branch, is authorised by the Prudential Regulation Authority and is subject to regulation by the Financial Conduct Authority and to limited regulation by the Prudential Regulation Authority. Details about the extent of our regulation by the Prudential Regulation Authority are available from J.P. Morgan on request. J.P. Morgan Securities plc (JPMS plc) is a member of the London Stock Exchange and is authorised by the Prudential Regulation Authority and regulated by the Financial Conduct Authority and the Prudential Regulation Authority. Registered in England & Wales No. 2711006. Registered Office 25 Bank Street, London, E14 5JP. **South Africa:** J.P. Morgan Equities South Africa Proprietary Limited is a member of the Johannesburg Securities Exchange and is regulated by the Financial Services Board. **Hong Kong:** J.P. Morgan Securities (Asia Pacific) Limited (CE number AAJ321) is regulated by the Hong Kong Monetary Authority and the Securities and Futures Commission in Hong Kong and/or J.P. Morgan Broking (Hong Kong) Limited (CE number AAB027) is regulated by the Securities and Futures Commission in Hong Kong. **Korea:** J.P. Morgan Securities (Far East) Ltd, Seoul Branch, is regulated by the Korea Financial Supervisory Service. **Australia:** J.P. Morgan Australia Limited (JPMAL) (ABN 52 002 888 011/AFS Licence No: 238188) is regulated by ASIC and J.P. Morgan Securities Australia Limited (JPMASAL) (ABN 61 003 245 234/AFS Licence No: 238066) is regulated by ASIC and is a Market, Clearing and Settlement Participant of ASX Limited and CHI-X. **Taiwan:** J.P.Morgan Securities (Taiwan) Limited is a participant of the Taiwan Stock Exchange (company-type) and regulated by the Taiwan Securities and Futures Bureau. **India:** J.P. Morgan India Private Limited (Corporate Identity Number - U67120MH1992FTC068724), having its registered office at J.P. Morgan Tower, Off. C.S.T. Road, Kalina, Santacruz - East, Mumbai - 400098, is a member of the National Stock Exchange of India Limited (SEBI Registration Number - INB 230675231/INF 230675231/INE 230675231) and Bombay Stock Exchange Limited (SEBI Registration Number - INB 010675237/INF 010675237) and is regulated by Securities and Exchange Board of India. Telephone: 91-22-6157 3000, Facsimile: 91-22-6157 3990 and Website: [www.jpml.com](http://www.jpml.com). For non local research reports, this material is not distributed in India by J.P. Morgan India Private Limited. **Thailand:** This material is issued and distributed in Thailand by JPMorgan Securities (Thailand) Ltd., which is a member of the Stock Exchange of Thailand and is regulated by the Ministry of Finance and the Securities and Exchange Commission and its registered address is 3rd Floor, 20 North Sathorn Road, Silom, Bangrak, Bangkok 10500. **Indonesia:** PT J.P. Morgan Securities Indonesia is a member of the Indonesia Stock Exchange and is regulated by the OJK a.k.a. BAPEPAM LK. **Philippines:** J.P. Morgan Securities Philippines Inc. is a Trading Participant of the Philippine Stock Exchange and a member of the Securities Clearing Corporation of the Philippines and the Securities Investor Protection Fund. It is regulated by the Securities and Exchange Commission. **Brazil:** Banco J.P. Morgan S. A. is regulated by the Comissao de Valores Mobiliarios (CVM) and by the Central Bank of Brazil. **Mexico:** J.P. Morgan Casa de Bolsa, S.A. de C.V., J.P. Morgan Grupo Financiero is a member of the Mexican Stock Exchange and authorized to act as a broker dealer by the National Banking and Securities Exchange Commission. **Singapore:** This material is issued and distributed in Singapore by or through J.P. Morgan Securities Singapore Private Limited (JPMSS) [MCI (P) 199/03/2014 and Co. Reg. No.: 199405335R] which is a member of the Singapore Exchange Securities Trading Limited and is regulated by the Monetary Authority of Singapore (MAS) and/or JPMorgan Chase Bank, N.A., Singapore branch (JPMCB Singapore) which is regulated by the MAS. This material is provided in Singapore only to accredited investors, expert investors and institutional investors, as defined in Section 4A of the Securities and Futures Act, Cap. 289. Recipients of this document are to contact JPMSS or JPMCB Singapore in respect of any matters arising from, or in connection with, the document. **Japan:** JPMorgan Securities Japan Co., Ltd. is regulated by the Financial Services Agency in Japan. **Malaysia:** This material is issued and distributed in Malaysia by JPMorgan Securities (Malaysia) Sdn Bhd (18146-X) which is a Participating Organization of Bursa Malaysia Berhad and a holder of Capital Markets Services License issued by the Securities Commission in Malaysia. **Pakistan:** J. P. Morgan Pakistan Broking (Pvt.) Ltd is a member of the Karachi Stock Exchange and regulated by the Securities and Exchange Commission of Pakistan. **Saudi Arabia:** J.P. Morgan Saudi Arabia Ltd. is authorized by the Capital Market Authority of the Kingdom of Saudi Arabia (CMA) to carry out dealing as an agent, arranging, advising and custody, with respect to securities business under licence number 35-07079 and its registered address is at 8th Floor, Al-Faisaliyah Tower, King Fahad Road, P.O. Box 51907, Riyadh 11553, Kingdom of Saudi Arabia. **Dubai:** JPMorgan Chase Bank, N.A., Dubai Branch is regulated by the Dubai Financial Services Authority (DFSA) and its registered address is Dubai International Financial Centre - Building 3, Level 7, PO Box 506551, Dubai, UAE.

### Country and Region Specific Disclosures

**U.K. and European Economic Area (EEA):** Unless specified to the contrary, issued and approved for distribution in the U.K. and the EEA by JPMS plc. Investment research issued by JPMS plc has been prepared in accordance with JPMS plc's policies for managing conflicts of interest arising as a result of publication and distribution of investment research. Many European regulators require a firm to establish, implement and maintain such a policy. This report has been issued in the U.K. only to persons of a kind described in Article 19 (5), 38, 47 and 49 of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (all such persons being referred to as "relevant persons"). This document must not be acted on or relied on by persons who are not relevant persons. Any investment or investment activity to which this document relates is only available to relevant persons and will be engaged in only with relevant persons. In other EEA countries, the report has been issued to persons regarded as professional investors (or equivalent) in their home jurisdiction. **Australia:** This material is issued and distributed by JPMASAL in Australia to "wholesale clients" only. This material does not take into account the specific investment objectives, financial situation or particular needs of the recipient. The recipient of this material must not distribute it to any third party or outside Australia without the prior written consent of JPMASAL. For the purposes of this paragraph the term "wholesale client" has the meaning given in section 761G of the Corporations Act 2001. **Germany:** This material is distributed in Germany by J.P. Morgan Securities plc, Frankfurt Branch and J.P.Morgan Chase Bank, N.A., Frankfurt Branch which are regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht. **Hong Kong:** The 1% ownership disclosure as of the previous month end satisfies the requirements under Paragraph 16.5(a) of the Hong Kong Code of Conduct for Persons Licensed by or Registered with the Securities and Futures Commission. (For research published within the first ten days of the month, the disclosure may be based on the month end data from two months prior.) J.P. Morgan Broking (Hong Kong) Limited is the liquidity provider/market maker for derivative warrants, callable bull bear contracts and stock options listed on the Stock Exchange of Hong Kong Limited. An updated list can be found on HKEx website: <http://www.hkex.com.hk>. **Japan:** There is a risk that a loss may occur due to a change in the price of the shares in the case of share trading, and that a loss may occur due to the exchange rate in the case of foreign share trading. In the case of share trading, JPMorgan Securities Japan Co., Ltd., will be receiving a brokerage fee and consumption tax (shouhizei) calculated by multiplying the executed price by the commission rate which was individually agreed between JPMorgan Securities Japan Co., Ltd., and the customer in advance. Financial Instruments Firms: JPMorgan Securities Japan Co., Ltd., Kanto Local Finance Bureau (kinsho) No. 82 Participating Association / Japan Securities Dealers Association, The Financial Futures Association of Japan, Type II Financial Instruments Firms Association and Japan Investment Advisers Association. **Korea:** This report may have been edited or contributed to from time to time by affiliates of J.P. Morgan Securities (Far East) Ltd, Seoul Branch. **Singapore:** JPMS and/or its affiliates may have a holding in any of the securities discussed in this report; for securities where the holding is 1% or greater, the specific holding is disclosed in the Important Disclosures section above. **Taiwan:** This material is issued and distributed in Taiwan by J.P. Morgan Securities (Taiwan Limited). **India:** For private circulation only, not for sale. **Pakistan:** For private circulation only, not for sale. **New Zealand:** This material is issued and distributed by JPMASAL in New Zealand only to persons whose principal business is the investment of money or who, in the course of and for the purposes of their business, habitually invest money. JPMASAL does not issue or distribute this material to members of "the public" as determined in accordance with section 3 of the Securities Act 1978. The recipient of this material must not distribute it to any third party or outside New Zealand without the prior written consent of JPMASAL. **Canada:** The information contained herein is not, and under no circumstances is to be construed as, a prospectus, an advertisement, a public offering, an offer to sell securities described herein, or solicitation of an offer to buy securities described herein, in Canada or any province or territory thereof. Any offer or sale of the securities described herein in Canada will be made only under an exemption from the requirements to file a prospectus with the relevant Canadian securities regulators and only by a dealer properly registered under applicable securities laws or, alternatively, pursuant to an exemption from the dealer registration requirement in the relevant province or territory of Canada in which such offer or sale is made. The information contained herein is under no circumstances to be construed as investment advice in any province or territory of Canada and is not tailored to the needs of the recipient. To the extent that the information contained herein references securities of an issuer incorporated, formed or created under the laws of Canada or a province or territory of Canada, any trades in such securities must be conducted through a dealer registered in Canada. No securities commission or similar regulatory authority in Canada has reviewed or in any way passed judgment upon these materials, the information contained herein or the merits of the securities described herein, and any representation to the contrary is an offence. **Dubai:** This report has been issued to persons regarded as professional clients as defined under the DFSA rules. **Brazil:** Ombudsman J.P. Morgan: 0800-7700847 / [ouvidoria.jp.morgan@jpmorgan.com](mailto:ouvidoria.jp.morgan@jpmorgan.com).

**General:** Additional information is available upon request. Information has been obtained from sources believed to be reliable but JPMorgan Chase & Co. or its affiliates and/or subsidiaries (collectively J.P. Morgan) do not warrant its completeness or accuracy except with respect to any disclosures relative to JPMS and/or its affiliates and the analyst's

involvement with the issuer that is the subject of the research. All pricing is as of the close of market for the securities discussed, unless otherwise stated. Opinions and estimates constitute our judgment as of the date of this material and are subject to change without notice. Past performance is not indicative of future results. This material is not intended as an offer or solicitation for the purchase or sale of any financial instrument. The opinions and recommendations herein do not take into account individual client circumstances, objectives, or needs and are not intended as recommendations of particular securities, financial instruments or strategies to particular clients. The recipient of this report must make its own independent decisions regarding any securities or financial instruments mentioned herein. JPMS distributes in the U.S. research published by non-U.S. affiliates and accepts responsibility for its contents. Periodic updates may be provided on companies/industries based on company specific developments or announcements, market conditions or any other publicly available information. Clients should contact analysts and execute transactions through a J.P. Morgan subsidiary or affiliate in their home jurisdiction unless governing law permits otherwise. "Other Disclosures" last revised November 29, 2014.

---

**Copyright 2015 JPMorgan Chase & Co. All rights reserved. This report or any portion hereof may not be reprinted, sold or redistributed without the written consent of J.P. Morgan.**