

North America Equity Research 26 March 2008

JPMorgan 🗘

Fairpoint Communications

FRP Set to Close Deal; Buy on Weakness Following Distribution

Deal set to close; bond terms worse than expected; thesis still intact. After market close, FRP announced it priced \$551MM of bonds at 13.125%. This puts the Verizon Northeast transaction on track to close on Monday with the distribution after the close on Monday. We would use the technical pressure and liquidity from the distribution to build a position. (This report includes pro forma forecasts updated for bond deal).

Debt terms a little worse than expected. Coupon on bonds came in at 13.125% vs. prior est. of 9.5%. This reduces our FCF est. by \$20MM to \$183MM for 08. However, with an adjusted 08E FCF yield of 21% (fully taxed) compared to a group avg. of 12%, FRP remains the most attractively valued name in the group.

- Delevering targets still achievable. FRP has committed to reducing leverage to 3.6x by the end of 11. Based on our revised estimates, which are more conservative than mgmt guidance, we estimate leverage exiting 11 of 3.3x. EBITDA would have to miss our forecasts by 5% in each of the next four years for FRP to miss the leverage threshold.
- Integration risk significant but manageable. Integration challenges are considerable given acquired assets are 5x larger than legacy FRP; VZ likely underinvested; transition to new billing / back office systems required; cost reduction limited by conditions set by regulators/unions; and mgmt has previously struggled with simpler integrations. However, we have accounted for integration risk with EBITDA est. below guidance. EBITDA would have to miss our est. by 15% for FRP to be trading in line with peers on 08E FCF, which we think is unlikely.
- See 35-40% Upside. We base our \$15 Jan 09 PT on a 14.5% FCF yield applied to 08E FCF/share of \$2.08 (and adding PV of NOL of \$0.71). This assumes that FRP continues to trade at a 20% discount because of integration risk (peer multiple would imply price of \$18).

Fairpoint Communications (FRP:FRP US)

	2006A	2007E	2008E
EPS (\$)			
Q1 (Mar)	0.17	0.14A	
Q2 (Jun)	0.20	0.12A	
Q3 (Sep)	0.17	0.13A	
Q4 (Dec)	0.15	0.16	
FY	0.68	0.55	0.45

Source: Company data, Reuters, JPMorgan estimates.

Overweight

\$10.52

26 March 2008





Wireline Services/Incumbents

Jonathan Chaplin^{AC}

(1-212) 622-6413 jonathan.chaplin@jpmorgan.com

David A Styblo (1-212) 622-4184 david.a.styblo@jpmchase.com

Thomas S. Champion (1-212) 622-8525 thomas.s.champion@jpmorgan.com

Manish Jain (1-212) 622-8692 manish.x.jain@jpmchase.com

Company Data	
Price (\$)	10.52
Date Of Price	26 Mar 08
52-week Range (\$)	20.16 - 8.55
Mkt Cap (\$ mn)	365.04
Fiscal Year End	Dec
Shares O/S (mn)	35
Price Target (\$)	15.00
Price Target End Date	30 Jan 09

www.morganmarkets.com

J.P. Morgan Securities Inc.

See page 8 for analyst certification and important disclosures, including investment banking relationships. JPMorgan 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. Customers of JPMorgan in the United States can receive independent, third-party research on the company or companies covered in this report, at no cost to them, where such research is available. Customers can access this independent research at www.morganmarkets.com or can call 1-800-477-0406 toll free to request a copy of this research.

Summary Financials

In the tables below we show our updated forecasts for FRP pro-forma of the VZ Northeast acquisition. Please see our full report published on December 12, 2007, for further details.

Table 1: Financial Summary

\$ in millions

						CAGR
	2008E	2009E	2010E	2011E	2012E	('08E-12E)
Revenue	1,394.8	1,346.9	1,309.4	1,283.6	1.264.8	-2.4%
EBITDA	510.5	513.0	497.5	481.3	469.3	-2.1%
FCF	183.4	202.7	210.9	213.6	220.3	4.7%
FCF Yield	19.8%	21.9%	22.8%	23.1%	23.8%	NΑ
Dividend/share	\$1.03	\$1.03	\$1.03	\$1.03	\$1.03	0.0%
Net Debt/EBITDA	4.0x	3.8x	3.7x	3.6x	3.4x	NA
Adjusted Net Debt/EBITDA	3.8x	3.6x	3.5x	3.3x	3.2x	NA
memo: EBITDA margin	36.6%	38.1%	38.0%	37.5%	37.1%	
memo: Est. Dividend yield	9.8%	9.8%	9.8%	9.8%	9.8%	
memo: Est. Dividend payout	49.5%	44.8%	43.1%	42.5%	41.2%	

Source: JPMorgan estimates, FactSet, and Company data. Note: Adjusted leverage reflects \$30 million add back to EBITDA for pension and post retirement benefits (OPEB) accounting adjustments (cash paid is expected to be less than accounting expense).

Table 2: Revenue Estimates by Entity

\$ in millions

	2008E	2009E	2010E	2011E	2012E	CAGR ('08E-12E)
Verizon Northeast Standa	lone					
Local voice	1,032.3	984.0	948.5	923.3	906.4	-3.2%
Long distance	88.1	89.1	89.0	88.5	86.6	-0.4%
Data/Internet	98.2	113.2	125.5	135.6	144.0	10.0%
Other	18.0	17.0	15.0	14.0	13.0	-7.8%
Eliminations	(118.4)	(128.8)	(137.5)	(142.8)	(146.6)	NA
Total revenue	1,118.2	1,074.5	1,040.5	1,018.5	1,003.5	-2.7%
memo: Growth Y/Y	NA	-3.9%	-3.2%	-2.1%	-1.5%	
Fairpoint Standalone						
Local voice	189.6	180.9	173.5	166.7	160.4	-4.1%
Long distance	31.5	32.3	32.9	33.2	33.5	1.5%
Data/Internet	36.9	40.4	43.2	45.5	47.3	6.4%
Other	18,5	18.9	19.3	19.7	20.1	2.0%
Eliminations	0.0	0.0	0.0	0.0	0.0	NA
Total revenue	276.6	272.5	268.8	265.1	261.3	-1.4%
memo: Growth Y/Y	NA	-1.5%	-1.3%	-1.4%	-1.4%	
Consolidated						
Local voice	1,221.9	1,164.8	1,122.0	1,090.0	1,066.8	-3.3%
Long distance	119.6	121.5	121.9	121.7	120.1	0.1%
Data/Internet	135.2	153.5	168.6	181.1	191.3	9.1%
Other	36.5	35.9	34.3	33.7	33.1	-2.5%
Eliminations	(118.4)	(128.8)	(137.5)	(142.8)	(146.6)	NA
Total revenue	1,394.8	1,346.9	1,309.4	1,283.6	1,264.8	-2.4%
memo: Growth Y/Y	NA	-3.4%	-2.8%	-2.0%	-1.5%	

Source: JPMorgan estimates, company data.

Table 3: Verizon Northeast Access Line Trends

in thousands

	2008E	2009E	2010E	2011E	2012E	CAGR ('08E-12E)
Consumer primary	750.0	691.1	643.7	605.2	573.8	-6%
+ Consumer secondary	65.2	56.0	48.4	42.1	36.6	-13%
= Total consumer	815.2	747.1	692.1	647.3	610.4	-7%
+ Business	316.1	301.9	289.7	279.1	270.0	-4%
= Total retail	1,131.4	1.049.0	981.8	926.4	880.4	-6%
+ Wholesale	104.6	96.6	90.3	85.3	81.3	-6%
+ Other	35.0	33.8	32.7	31.7	30.9	-3%
= Total access lines	1,271.0	1,179.3	1,104.8	1,043.5	992.6	-6%
memo: Net adds	(114.0)	(91.6)	(74.6)	(61.3)	(50.9)	
memo: Access line growth Y/Y	-8.2%	-7.2%	-6.3%	-5.5%	-4.9%	

Source: JPMorgan estimates, company data.

Table 4: Verizon Northeast Voice Revenue Drilldown

Access lines in thousands; revenue in millions

						CAGR
	2008E	2009E	2010E	2011E	2012E	('08E-12E)
Average access lines	1,328.0	1,225.2	1,142.1	1,074.1	1,018.0	-6%
Service ARPU	\$37.46	\$37.78	\$38.10	\$38.43	\$38.76	1%
+ Subsidy ARPU	\$1.36	\$1.38	\$1.39	\$1.40	\$1.42	1%
+ Access ARPU	\$25.96	\$27.77	\$29.72	\$31.80	\$34.02	7%
= Total local voice ARPU	\$64.78	\$66.93	\$69.21	\$71.63	\$74.20	3%
memo: Growth y/y		3.3%	3.4%	3.5%	3.6%	
Service revenue	597.0	555.4	522.2	495.3	473.5	-6%
+ Subsidy revenue	21.7	20.2	19.0	18.1	17.3	-5%
+ Access revenue	413.6	408.3	407.2	409.8	415.6	0%
= Total revenue	1,032.3	984.0	948.5	923.3	906.4	-3%
memo: Growth y/y	NA	-4.7%	-3.6%	-2.7%	-1.8%	

Source: JPMorgan estimates, company data.

Table 5: Verizon Northeast DSL Drilldown

Subscribers in thousands; revenue in millions

	2008E	2009E	2010E	2011E	2012E	CAGR ('08E-12E
Subscribers						
Residential DSL subs	199.7	219.6	234.1	244.2	250.8	6%
+ Business DSL subs	56.3	69.2	81.6	93.6	105.0	17%
= Total DSL subs	256.0	288.8	315.7	3 37.8	355.8	9%
nemo: Net adds	40.0	32.8	26.9	22.1	18.1	-18%
memo: Growth y/y	18.5%	12.8%	9.3%	7.0%	5.4%	
Penetration of Access lines						
Residential	24%	29%	34%	38%	41%	
Business	18%	23%	28%	34%	39%	
Total retail	23%	28%	32%	36%	40%	
Total retail and wholesale	20%	24%	29%	32%	36%	
Revenue by Segment						
Avg Residential DSL subs	186.2	209.7	226.9	239.1	247.5	7%
(ARPU	\$29.25	\$28.52	\$27.81	\$27.11	\$26.43	-3%
= Residential revenue	65.4	71.7	75.7	77.8	78.5	5%
memo: ARPU growth y/y	-2.5%	-2.5%	-2.5%	-2.5%	-2.5%	
memo: Revenue growth y/y	12.4%	9.8%	5.5%	2.8%	0.9%	
Avg Business DSL subs	49.8	62.7	75.4	87.6	99.3	19%
(ARPU	\$55.00	\$55.00	\$55.00	\$55.00	\$55.00	0%
= Business revenue	32.8	41.4	49.8	57.8	65.5	19%
memo: ARPU growth y/y	0.0%	0.0%	0.0%	0.0%	0.0%	
memo: Revenue growth y/y	23.2%	26.1%	20.2%	16.2%	13.4%	
Avg Total DSL subs	236.0	272.4	302.2	326.7	346.8	10%
k ARPU	\$34.68	\$34.62	\$34.59	\$34.59	\$34.61	0%
= Total revenue	98.2	113.2	125.5	135.6	144.0	10%
memo: ARPU growth y/y	-0.9%	-0.2%	-0.1%	0.0%	0.1%	
memo: Revenue growth y/y	15.7%	15.2%	10.9%	8.1%	6.2%	

Source: JPMorgan estimates, company data.

Table 6: Verizon Northeast Long Distance Drilldown

Subscribers in thousands; revenue in millions

	2008E	2009E	2010E	2011E	2012E	CAGR ('08E-12E)
LD subs	626.0	635.9	629.5	623.2	617.0	-0.4%
memo: Growth y/y	0.2%	1.6%	-1.0%	-1.0%	-1.0%	
memo: Penetration	5 5.3%	60.6%	64.1%	67.3%	70.1%	
Avg LD subs	625.4	630.9	632.7	626.4	620.1	-0.2%
x ARPU	\$11.75	\$11.77	\$11.73	\$11.77	\$11.64	-0.2%
= LD revs	88.1	89.1	89.0	88.5	86.6	-0.4%
memo: ARPU growth y/y	0.0%	0.2%	-0.4%	0.4%	-1.1%	
memo: Revenue growth y/y	0.5%	1.1%	-0.1%	-0.6%	-2.1%	

Source: JPMorgan estimates, Company data.

Table 7: Consolidated Subscriber Trends

in thousands

	2008E	2009E	2010E	2011E	2012E	CAGR ('08E-12E)
Access Lines						
FRP standalone	224.6	212.5	201.5	191.7	182.9	-5%
VZ Northeast standalone	1,271.0	1,179.3	1,104.8	1,043.5	992.6	-6%
Consolidated	1,495.6	1,391.8	1,306.3	1,235.2	1,175.5	-6%
Access Line Growth Y/Y						
FRP standalone	-5.7%	-5.4%	-5.1%	-4.9%	-4.6%	
VZ Northeast standalone	-8.2%	-7.2%	-6.3%	-5.5%	-4.9%	
Consolidated	-7.9%	-6.9%	-6.1%	-5.4%	-4.8%	
DSL Subscribers						
FRP standalone	76.4	83.8	90.1	95.5	100.0	7%
VZ Northeast standalone	256.0	288.8	315.7	337.8	355.8	9%
Consolidated	332.4	372.6	405.8	433.2	455.8	8%
DSL Subs Growth Y/Y						
FRP standalone	12.9%	9.7%	7.5%	5.9%	4.8%	
VZ Northeast standalone	18.5%	12.8%	9.3%	7.0%	5.4%	
Consolidated	17.2%	12.1%	8.9%	6.8%	5.2%	
DSL Penetration						
FRP standalone	34.0%	39.4%	44.7%	49.8%	54.7%	
VZ Northeast standalone	20.1%	24.5%	28.6%	32.4%	35.8%	
Consolidated	22.2%	26.8%	31.1%	35.1%	38.8%	

Source: JPMorgan estimates, Company data.

Table 8: Verizon Northeast Standalone Margin Evolution

\$ in millions

						CAGR
	2008E	2009E	2010E	2011E	2012E	('08E-12E)
Revenue	1,118.2	1,074.5	1,040.5	1,018.5	1,003.5	-3%
- Expenses	754.8	737.3	723.7	714.9	708.9	-2%
= EBITDA	363.5	337.2	316.8	303.6	294.6	-5%
memo: Margin	32.5%	31.4%	30.4%	29.8%	29.4%	

Source: JPMorgan estimates, Company data.

Table 9: Revenue and EBITDA Estimates by Entity

\$ in millions

\$ in millions						
	2008E	2009E	2010E	2011E	2012E	CAGR ('08E-12E)
Revenue						
FRP standalone	276.6	272.5	268.8	265.1	261.3	-1%
VZ Northeast standalone	1,118.2	1,074.5	1,040.5	1,018.5	1,003.5	-3%
Consolidated	1,394.8	1,346.9	1,309.4	1,283.6	1,264.8	-2%
EBITDA						
FRP standalone	112.1	108.8	105.7	102.7	99.7	-3%
VZ Northeast standalone	363.5	337.2	316.8	303.6	294.6	-5%
Synergies	35.0	67.0	75.0	75.0	75.0	21%
Consolidated	510.5	513.0	497.5	481.3	469.3	-2%
EBITDA Margins						
FRP standalone	40.5%	39.9%	39.3%	38.7%	38.1%	-2%
VZ Northeast standalone	32.5%	31.4%	30.4%	29.8%	29.4%	-3%
Consolidated	36.6%	38.1%	38.0%	37.5%	37.1%	0%

Source: JPMorgan estimates, Company data.

Table 10: Consolidated Capex Estimates

\$ in millions

						CAGR
	2008E	2009E	2010E	2011E	2012E	('08E-12E)
Revenue	1,394.8	1,346.9	1,309.4	1,283.6	1,264.8	-2%
x capex %	12.8%	12.5%	12.2%	12.2%	12.3%	
= Recurring capex	178.1	168.6	160.2	157.2	155.1	-3%
+ DSL buildout	44	0	0	0	0	
+ Systems conversion	128	0	0	0	0	
= Total capex	350.1	168.6	160.2	157.2	155.1	-18%

Source: JPMorgan estimates, company data.

Table 11: FCF Estimates

\$ in millions

						CAGR
	2008E	2009E	2010E	2011E	2012E	('08E-12E)
EBITDA	510.5	513.0	497.5	481.3	469.3	-2%
- Recurring capex	178.1	168.6	160.2	157.2	155.1	-3%
- Cash interest	179.0	171.7	156.4	140.5	123.9	-9%
- Cash taxes	0.0	0.0	0.0	0.0	0.0	
+ Pension & OPEB cash adjustments	30.0	30.0	30.0	30.0	30.0	0%
= FCF	183.4	202.7	210.9	213.6	220.3	5%
memo: FCF/share	\$2.09	\$2.31	\$2.40	\$2.43	\$2.51	5%
memo: FCF Yield	19.8%	21.9%	22.8%	23.1%	23.8%	

Source: JPMorgan estimates, Company data.

Table 12: FCF Uses

\$ in millions

						CAGR
	2008E	2009E	2010E	2011E	2012E	('08E-12E)
FCF	183.4	202.7	210.9	213.6	220.3	5%
- Dividends	90.8	90.8	90.8	90.8	90.8	0%
= Excess Cash	92.6	111.9	120.1	122.8	129.5	9%
memo: Payout ratio	50%	45%	43%	43%	41%	
Dividend/share	\$1.03	\$1.03	\$1.03	\$1.03	\$1.03	0%
x Shares outstanding	87.9	87.9	87.9	87.9	87.9	0%
= Dividends	90.8	90.8	90.8	90.8	90.8	0%

Source: JPMorgan estimates, company data.

Table 13: Leverage Outlook

\$ in millions

						CAGR
	2008E	2009E	2010E	2011E	2012E	('08E-12E)
Debt, BOP	2,065	2,065	1,953	1,833	1,710	-5%
- Paydown	0	112	120	123	129	
= Debt, EOP	2,065	1,953	1,833	1,710	1,581	-6%
memo: Leverage	4.0x	3.8x	3.7x	3.6x	3.4x	
memo: Adjusted leverage	3.8x	3.6x	3.5x	3.3x	3.2x	

Source: JPMorgan estimates, company data.

Note: Adjusted leverage reflects \$30 million add back to EBITDA for pension and post retirement benefits (OPEB) accounting adjustments (cash paid is expected to be less than accounting expense).

Valuation, Rating and Price Target Analysis

Our January 2009 price target of \$15 suggests upside of 35-40% (plus dividend yield of 9%). We arrive at a higher value of \$18 based on FCF comps (adjusted FCF yield



is fully taxed and removes PV of NOL); however, we believe integration risk will stand in the way of full valuation for the next 18-24 months.

Table 14: Adjusted FCF Yield: 2008-2012

	2008E	2009E	2010E	2011E	2012E
Alaska	9.0%	10.4%	11.1%	11.8%	12.7%
CenturyTel	15.0%	14.7%	14.4%	14.1%	14.0%
Cincinnati Bell	10.8%	11.6%	12.2%	12.9%	13.7%
Citizens	12.5%	12.3%	12.4%	12.3%	12.3%
Consolidated	13.0%	15.2%	15.4%	15.3%	15.1%
Embarq	15.6%	15.6%	15.7%	15.3%	14.9%
lowa	11.7%	11.6%	11.5%	11.5%	11.5%
Windstream	10.4%	10.2%	10.1%	9.9%	9.8%
Average	12.2%	12.7%	12.8%	12.9%	13.0%
Fairpoint (pro forma)	21.2%	22.7%	23.3%	23.2%	23.3%

Source: JPMorgan estimates.

Risks to Our Rating and Price Target

While the deal appears on track to close risks to our OW rating include: 1) integration risk - the combined entity will be about five times larger than FRP standalone (and management does not have a perfect track record with M&A integration); 2) index funds selling 5-8% of FRP stock if the deal closes (per shares issued to VZ stockholders); and 3) inability to reduce leverage to committed level of 3.6x by 2011.

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.

Important Disclosures

Client of the Firm: Fairpoint Communications is or was in the past 12 months a client of JPMSI; during the past 12 months, JPMSI provided to the company non-securities-related services.

Fairpoint Communications (FRP) Price Chart



Date	Rating	Share Price (\$)	Price Target (\$)
16-Dec-05	UW	11.36	-
18-Dec-07	N	14.18	-
09-Jan-08	OW	12.12	-
24-Jan-08	ow	11.13	15.00

Source: Reuters and JPMorgan; price data adjusted for stock splits and dividends. Initiated coverage Dec 16, 2005. This chart shows JPMorgan's continuing coverage of this stock; the current analyst may or may not have covered it over the entire period.

JPMorgan ratings: OW = Overweight, N = Neutral, UW = Underweight.

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

JPMorgan 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.] The analyst or analyst's team's coverage universe is the sector and/or country shown on the cover of each publication. See below for the specific stocks in the certifying analyst(s) coverage universe.

Coverage Universe: Jonathan Chaplin: AT&T Inc. (T), Alaska Communications Systems Group, Inc (ALSK), American Tower (AMT), Cbeyond, Inc. (CBEY), Centennial Communications (CYCL), CenturyTel, Inc. (CTL), Charter Communications (CHTR), Cincinnati Bell, Inc. (CBB), Citizens Communications (CZN), Clearwire (CLWR), Comcast Corp (CMCSA), Consolidated Communications (CNSL), Crown Castle (CCI), EchoStar Communications Corporation (DISH), Embarq Corp (EQ), Fairpoint Communications (FRP), Globalstar (GSAT), Iowa Telecom (IWA), Leap Wireless International (LEAP), Level 3 Communications, Inc. (LVLT), MetroPCS (PCS), Qwest Communications (Q), Rogers Communications (RCI), SBA Communications (SBAC), Sprint Nextel (S), The DIRECTV Group, Inc. (DTV), Time Warner Cable (TWC), Verizon Communications (VZ), Windstream Communications (WIN)



JPMorgan Equity Research Ratings Distribution, as of December 31, 2007

	Overweight (buy)	Neutral (hold)	Underweight (sell)
JPM Global Equity Research Coverage	45%	41%	14%
IB clients*	50%	51%	38%
JPMSI Equity Research Coverage	41%	47%	12%
IB clients*	71%	64%	49%

^{*}Percentage of investment banking clients in each rating category.

For purposes only of NASD/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.

Valuation and Risks: Please see the most recent company-specific research report for an analysis of valuation methodology and risks on any securities recommended herein. Research is available at http://www.morganmarkets.com, or you can contact the analyst named on the front of this note or your JPMorgan representative.

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, which include revenues from, among other business units, Institutional Equities and Investment Banking.

Other Disclosures

Options related research: If the information contained herein regards options related research, such information is available only to persons who have received the proper option risk disclosure documents. For a copy of the Option Clearing Corporation's Characteristics and Risks of Standardized Options, please contact your JPMorgan Representative or visit the OCC's website at http://www.optionsclearing.com/publications/risks/riskstoc.pdf.

Legal Entities Disclosures

U.S.: JPMSI is a member of NYSE, FINRA and SIPC. J.P. Morgan Futures Inc. is a member of the NFA. JPMorgan Chase Bank, N.A. is a member of FDIC and is authorized and regulated in the UK by the Financial Services Authority, U.K.: J.P. Morgan Securities Ltd. (JPMSL) is a member of the London Stock Exchange and is authorised and regulated by the Financial Services Authority. Registered in England & Wales No. 2711006. Registered Office 125 London Wall, London EC2Y 5AJ. South Africa: J.P. Morgan Equities Limited is a member of the Johannesburg Securities Exchange and is regulated by the FSB. 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, Korea: J.P. Morgan Securities (Far East) Ltd, Seoul branch, is regulated by the Korea Financial Supervisory Service. Australia: J.P. Morgan Australia Limited (ABN 52 002 888 011/AFS Licence No: 238188) is regulated by ASIC and J.P. Morgan Securities Australia Limited (ABN 61 003 245 234/AFS Licence No: 238066) is a Market Participant with the ASX and regulated by ASIC. 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 is a member of the National Stock Exchange of India Limited and The Stock Exchange, Mumbai and is regulated by the Securities and Exchange Board of India. Thailand: JPMorgan Securities (Thailand) Limited is a member of the Stock Exchange of Thailand and is regulated by the Ministry of Finance and the Securities and Exchange Commission. Indonesia: PT J.P. Morgan Securities Indonesia is a member of the Jakarta Stock Exchange and Surabaya Stock Exchange and is regulated by the BAPEPAM. Philippines: J.P. Morgan Securities Philippines Inc. is a member of the Philippine Stock Exchange and 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 J.P. Morgan Securities Singapore Private Limited (JPMSS) [mica (p) 207/01/2008 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. 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 Securities Bhd and is licensed as a dealer 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.

Country and Region Specific Disclosures

U.K. and European Economic Area (EEA): Issued and approved for distribution in the U.K. and the EEA by JPMSL. Investment research issued by JPMSL has been prepared in accordance with JPMSL's Policies for Managing Conflicts of Interest in Connection with Investment Research which outline the effective organisational and administrative arrangements set up within JPMSL for the prevention and avoidance of conflicts of interest with respect to research recommendations, including information barriers, and can be found at http://www.jpmorgan.com/pdfdoc/research/ConflictManagementPolicy.pdf. 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 Germany: This material is distributed in Germany by J.P. Morgan Securities Ltd. Frankfurt Branch and JPMorgan Chase Bank, N.A., Frankfurt Branch who are regulated by the Bundesanstalt für Finanzdienstleistungsaufsicht. Australia: This material is issued and distributed by JPMSAL in Australia to "wholesale clients" only. JPMSAL does not issue or distribute this material to "retail clients." The recipient of this material must not distribute it to any third party or outside Australia without the prior written consent of JPMSAL. For the purposes of this paragraph the terms "wholesale client" and "retail client" have the meanings given to them in section 761G of the Corporations Act 2001. 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 for derivative warrants issued by J.P. Morgan International Derivatives Ltd and listed on The Stock Exchange of Hong Kong Limited. An updated list can be found on HKEx website: http://www.hkex.com.hk/prod/dw/Lp.htm. 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. 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: JPMSI 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 Legal Disclosures section above. 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 JPMSAL 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. JPMSAL 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 JPMSAL.

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 JPMorgan) do not warrant its completeness or accuracy except with respect to any disclosures relative to JPMSI 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. JPMSI 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 JPMorgan subsidiary or affiliate in their home jurisdiction unless governing law permits otherwise.

"Other Disclosures" last revised February 6, 2008.

Copyright 2008 JPMorgan Chase & Co. All rights reserved. This report or any portion hereof may not be reprinted, sold or redistributed without the written consent of JPMorgan.

Jonathan Chaplin (1-212) 622-6413 jonathan.chaplin@jpmorgan.com North America Equity Research 26 March 2008

