

Today's Changes	Annual EPS	Annual Revenue	Target
	No change	No change	\$28.00 from \$19.00

Aerie Pharmaceuticals

AERI : NASDAQ : US\$19.82

BUY**Target: US\$28.00 ↑**

Ritu Baral Canaccord Genuity Inc. (US)

rbaral@canaccordgenuity.com

1.212.849.3917

COMPANY STATISTICS:

Forecast Return:	40%
Shares Out (M):	20.3
Market Cap (M):	US\$402.3
52-week Range:	US\$10.25 - 14.21

EARNINGS SUMMARY:

FYE Dec	2013E	2014E	2015E
Revenue:	0.0	0.0	0.0
EPS:	(1.27)	(1.38)	(1.47)

Revenue:	Q1	NA	0.0	-
	Q2	NA	0.0	-
	Q3	0.0A	0.0	-
	Q4	0.0	0.0	-
Total		0.0	0.0	0.0
EPS:	Q1	NA	(0.31)	-
	Q2	NA	(0.33)	-
	Q3	(0.46)A	(0.36)	-
	Q4	(0.28)	(0.38)	-
Total		(1.27)	(1.38)	(1.47)

SHARE PRICE PERFORMANCE:



COMPANY DESCRIPTION:

AERI is a clinical-stage pharmaceutical company focused on the treatment of glaucoma (one of the largest segments in the global ophthalmic market) and other eye diseases. Its product candidates are the dual-action AR-13324 and triple-action PG324.

All amounts in US\$ unless otherwise noted.

Life Sciences -- Biotechnology

NEW PH1/2 LOW IOP DATA REAFFIRMS POTENTIAL FOR SUPERIOR EFFICACY, SAFETY; RAISING TARGET TO \$28

Investment recommendation

Reiterate BUY, raising price target to \$28 on AR-13324 increased potential in open-angle glaucoma. We think ROCK/NET inhibitor 13324 may become a leading drug for glaucoma. We think Ph3 13324 data and Ph2 comboTx PG324 data expected 2015 will be positive. We are raising our peak sales estimate to \$700M from \$600M, increasing our pNPV-based target to \$28 from \$19.

Investment highlights

- Strong 13324 efficacy from new Ph1/2 data in low IOP glaucoma: underserved, yet large market where effective new drugs are needed.** We think the 5mmHg reduction in low IOP patients after 8 days Tx is encouraging and may drive strong uptake in the planned Ph3s (to enroll patients down to 21mmHg) starting Q2E. We see 13324's clean safety, low/absent systemic exposure and once-daily dosing as compelling differentiators from current glaucoma Tx's.
- New data (n=18) supports higher peak sales estimates.** Patients not currently on Tx (due to lack of low IOP efficacy or AEs of current Tx's) may get 13324, effectively expanding the addressable market. We updated our model to reflect the potential stronger penetration in low IOP and Timolol-intolerant patients and arrived at a combined peak sale of \$700M+ across two 13324 molecules.
- We still see significant potential upside to the stock.** Actual US glaucoma patients may number closer to 3.5M vs. the 2.5M currently known and we think Dx rates may increase faster than expected with better awareness and Tx options.
- We continue to expect timely enrollment of Ph2b PG324 study in Q1, Ph3 13324 studies in Q2.** This would drive Ph3 PG324 data in late 2014 and Ph3 13324 data in 2015.

Synopsis of new Ph1/2 data:

- All study subjects had normotensive IOPs (12-21 mmHg; mean approximately 16 mmHg) prior to dosing.
- Data showed very low systemic exposure to the drug, with blood levels at or below the limit of detection (0.1 ng/mL) at all time points.
- No drug-related effects on systemic safety parameters such as blood pressure and heart rate were seen.
- After eight days of dosing, once-daily 13324 reduced the average diurnal IOP to ~11 mmHg, representing a decrease of approximately 5 mmHg, or over 30 percent.

Model changes: We increased growth rate of low IOP and Timolol-intolerant patients by 3% and 1.5% yoy, and raised probability of success of AR-13324 by 5%, PG324 by 10% to reflect the positive Ph1/2 data (Figure 4). As a result, our combined peak sale estimate for both drugs increased from \$600M to \$700M and we are raising our price target to \$28 from \$19.

Figure 1: Pivotal Ph3 trial design

Pivotal Phase 3 – Canaccord Genuity projection	
NCT ID	TBA
Design	Randomized, placebo controlled, double blind
Enrollment	At least 1200 subjects
Dosing	AR-13324 Ophthalmic Solution 0.01% and 0.02% and latanoprost ophthalmic solution
Key inclusion criteria	<ul style="list-style-type: none"> • Diagnosis of open angle glaucoma (OAG) or ocular hypertension (OHT). • Unmedicated (post-washout, p.r.n.) IOP \geq 24 mm Hg in one or both eyes at 08:00 hours, \geq 21 mm Hg at 10:00, 12:00 and 16:00 hours on post-washout measurement (Visit 1). • Corrected visual acuity in each eye $+1.0$ logMAR or better by ETDRS in each eye (equivalent to 20/200).
Key exclusion criteria	<ul style="list-style-type: none"> • Glaucoma: pseudoexfoliation or pigment dispersion component, history of angle closure or narrow angles. Note: Previous laser peripheral iridotomy is NOT acceptable. • Intraocular pressure > 36 mm Hg • Previous glaucoma intraocular surgery or glaucoma laser procedures in study eye(s, e.g., laser trabeculoplasty). • Ocular medication of any kind within 30 days of Visit 0, with the exception of a) ocular hypotensive medications (which must be washed out according to the provided schedule), b) lid scrubs (which may be used prior to, but not after Visit 0) or c) lubricating drops for dry eye (which may be used throughout the study). • Clinically significant ocular disease (e.g. uveitis, severe keratoconjunctivitis sicca) which might interfere with the study, including glaucomatous damage so severe that washout of ocular hypotensive medications for one month is not judged safe (i.e., cup-disc ratio > 0.8). • Central corneal thickness greater than 600 μm.
Primary endpoint	Intraocular pressure at 3 months
Secondary endpoint	Safety at 12 months and visual acuity
Powering	TBA

Source: clinicaltrials.gov and Canaccord Genuity estimates

13 January 2014

Figure 2: AERI P&L

	2012A	H1/13A	Q3/13A	Q4/13E	2013E	Q1/14E	Q2/14E	Q3/14E	Q4/14E	2014E	2015E	2016E
AR-13324	-	-	-	-	-	-	-	-	-	-	-	-
PG324	-	-	-	-	-	-	-	-	-	-	-	-
Product revenues	-	-	-	-	-	-	-	-	-	-	-	-
Grant revenue	-	-	-	-	-	-	-	-	-	-	-	-
Total revenues	-	-	-	-	-	-	-	-	-	-	-	-
Cost of goods sold	-	-	-	-	-	-	-	-	-	-	-	-
Gross Profit	-	-	-	-	-	-	-	-	-	-	-	-
R&D expense	9.3	6.3	2.4	3.5	12.2	4.0	4.5	5.0	5.5	19.0	20.0	25.0
SG&A expense	5.0	3.4	3.3	3.0	9.7	3.3	3.3	3.5	3.5	13.6	15.0	17.0
Other operating expense	0.7	0.4	-	-	0.4	-	-	-	-	-	-	-
Total operating expense	15.0	10.1	5.7	6.5	22.3	7.3	7.8	8.5	9.0	32.6	35.0	42.0
Operating income	(15.0)	(10.1)	(5.7)	(6.5)	(22.3)	(7.3)	(7.8)	(8.5)	(9.0)	(32.6)	(35.0)	(42.0)
Net Interest/Investment income	-	-	-	-	0.0	-	-	-	-	0.0	0.0	0.0
(interest expense)	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Other non-operating income (expense)	(0.7)	(0.3)	(5.1)	-	(5.4)	-	-	-	-	-	-	-
Interest and other, Net	-	-	-	-	-	-	-	-	-	-	-	-
Pre-tax income	(15.7)	(10.4)	(10.7)	(6.5)	(27.6)	(7.3)	(7.8)	(8.5)	(9.0)	(32.5)	(34.9)	(41.9)
Income tax expense (benefit)	-	-	-	-	-	-	-	-	-	-	-	-
Net income (loss)	(15.7)	(10.4)	(10.7)	(6.5)	(27.6)	(7.3)	(7.8)	(8.5)	(9.0)	(32.5)	(34.9)	(41.9)
Basic EPS	(0.93)	(0.55)	(0.46)	(0.28)	(1.27)	(0.31)	(0.33)	(0.36)	(0.38)	(1.38)	(1.47)	(1.76)
Basic shares outstanding	16.8	18.9	23.2	23.3	21.8	23.4	23.6	23.7	23.8	23.6	23.7	23.9

Source: Company reports and Canaccord Genuity estimates

13 January 2014

Figure 3: AERI pNPV analysis

Product Development													
Drug name	Indication	Status	Launch	Years to Launch	Years to Peak	Success	Sales (US\$m)	Probability weighted Peak Sales (US\$m)	Royalty	Profitability	Probability weighted Peak Profit (US\$m)	Discount Factor	NPV (US\$)
AR-13324	Open angle glaucoma	Phase 3	2017.5	4	9	70%	380.7	266.5	95%	85%	215.18	6.66	19.47
PG324	Open angle glaucoma	Phase 2	2018.5	5	11	55%	325.0	178.8	95%	85%	144.35	10.41	8.36
Total													27.84

Source: Company reports and Canaccord Genuity estimates

13 January 2014

Figure 4: AERI open angle glaucoma market model

Glaucoma market model														
	growth rates													
US population	1.0%	311.7	314.8	318.0	321.2	324.4	327.6	330.9	334.2	337.6	340.9	344.3	347.8	351.3
Patients with glaucoma		2,182,089	2,236,969	2,293,228	2,350,903	2,410,028	2,470,640	2,532,777	2,596,476	2,661,778	2,728,721	2,797,349	2,867,702	2,939,825
Glaucoma incidence	1.5%	0.700%	0.71%	0.72%	0.73%	0.74%	0.75%	0.77%	0.78%	0.79%	0.80%	0.81%	0.82%	0.84%
Diagnosed patients with glaucoma		1,091,045	1,152,039	1,215,411	1,281,242	1,349,616	1,420,618	1,494,338	1,570,868	1,650,302	1,732,738	1,818,277	1,907,022	1,999,081
Diagnosis rate	1.5%	50.000%	51.50%	53.00%	54.50%	56.00%	57.50%	59.00%	60.50%	62.00%	63.50%	65.00%	66.50%	68.00%
Dx Glaucoma patients on Tx		905,567	966,710	1,031,107	1,098,912	1,170,288	1,245,407	1,324,445	1,407,589	1,495,033	1,586,980	1,683,642	1,785,239	1,892,005
Glaucoma treatment rate	1.1%	83.000%	83.91%	84.84%	85.77%	86.71%	87.67%	88.63%	89.61%	90.59%	91.59%	92.60%	93.61%	94.64%
Patients on non-PGA Tx		452,783	483,355	515,553	549,456	585,144	622,703	662,223	703,795	747,517	793,490	841,821	892,620	946,003
% of pts on non-PGA Tx		50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
Timolol intolerant pts		67,918	73,591	79,670	86,183	93,158	100,624	108,615	117,165	126,311	136,090	146,545	157,719	169,659
Intolerance incidence		15.00%	15.23%	15.45%	15.69%	15.92%	16.16%	16.40%	16.65%	16.90%	17.15%	17.41%	17.67%	17.93%
AR-13324 penetration rate		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pts converting to AR-13324		-	-	-	-	-	-	10,862	29,291	63,155	95,263	117,236	126,175	135,727
Pts with low IOP		56,598	62,232	68,369	75,051	82,323	90,235	98,841	108,197	118,366	129,416	141,417	154,449	168,597
Low IOP incidence		12.50%	12.88%	13.26%	13.66%	14.07%	14.49%	14.93%	15.37%	15.83%	16.31%	16.80%	17.30%	17.82%
AR-13324 penetration rate		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pts converting to AR-13324		-	-	-	-	-	-	9,884	27,049	59,183	90,591	113,134	123,559	134,877
Outstanding pts on non-PGA Tx		328,268	347,532	367,514	388,222	409,663	431,844	454,766	478,432	502,839	527,984	553,859	580,451	607,747
Percentage of outstanding pts		72.50%	71.90%	71.29%	70.66%	70.01%	69.35%	68.67%	67.98%	67.27%	66.54%	65.79%	65.03%	64.24%
AR-13324 penetration rate		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
Pts converting to AR-13324		-	-	-	-	-	-	13,643	47,843	75,426	105,597	124,618	145,113	151,937
Total addressable pts - AR-13324		-	-	-	-	-	-	34,389	104,184	197,765	291,451	354,988	394,848	422,541
Number of pts on AR-13324		-	-	-	-	-	-	34,389	104,184	197,765	291,451	354,988	394,848	422,541
Gross price	2.0%							1,000.00	1,020.00	1,040.40	1,061.21	1,082.43	1,104.08	1,126.16
Net revenue	20.0%							850.00	816.00	832.32	848.97	865.95	883.26	900.93
AR-13324 Revenue								14.62	85.01	164.60	247.43	307.40	348.75	380.68
Patients on OAG PGA Tx		452,783	483,355	515,553	549,456	585,144	622,703	662,223	703,795	747,517	793,490	841,821	892,620	946,003
% of pts on PGA Tx		50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%	50.00%
PG324 penetration rate	0.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	1.00%	5.00%	10.00%	15.00%	20.00%	25.00%
Pts converting to PG324		-	-	-	-	-	-	-	7,038	37,376	79,349	126,273	178,524	236,501
Total addressable pts - PG324		-	-	-	-	-	-	-	7,038	37,376	79,349	126,273	178,524	236,501
Number of pts on PG324		-	-	-	-	-	-	-	7,038	37,376	79,349	126,273	178,524	236,501
Gross price	2.0%							1,200.00	1,224.00	1,248.48	1,273.45	1,298.92	1,324.90	1,351.39
Net revenue	10.0%							1,020.00	979.20	998.78	1,018.76	1,039.13	1,059.92	1,081.12
PG324 Revenue								3.59	36.60	79.25	128.64	185.51	250.67	325.01
Market share														
AR-13324 of non-PGA market								5.19%	14.80%	26.46%	36.73%	42.17%	44.23%	44.67%
AR-13324 of overall OAG market								2.60%	7.40%	13.23%	18.37%	21.08%	22.12%	22.33%
PG324 of PG market								1.00%	5.00%	10.00%	15.00%	20.00%	25.00%	30.00%
PG324 of overall OAG market								0.50%	2.50%	5.00%	7.50%	10.00%	12.50%	15.00%
Molecule market share of '324 in overall market								7.90%	15.73%	23.37%	28.58%	32.12%	34.83%	37.55%

Source: Company reports and Canaccord Genuity estimates

Investment risks

Clinical risk -- AR-13324's planned Phase 3 program and or PG324's Phase 2 and 3 programs may not be successful. While we believe there is strong positive precedent data for AR-13324 from Phase 2 studies, there is a chance the planned Phase 3 trial will not be successful.

Regulatory risk -- FDA may not approve AR-13324 or PG234. There is no guarantee that FDA will approve AR-13324 or PG324 even if they showed expected levels of IOP lowering. Should FDA's understanding of the relationship between IOP lowering and loss of visual acuity change, the agency may want additional measures of benefit to grant approval. Further, clinical trials could yield some new safety signal that could be of concern.

Competitive risk -- There are a number of other current, well-established classes of glaucoma therapy on the market. Other glaucoma drugs, which utilize different mechanisms to treat the disease, have all been approved for years, if not decades; ophthalmologists have had significant experience treating patients with these medications, and have significant comfort with their efficacy and side effect profiles. As a result, ophthalmologists may continue to preferentially prescribe these drugs despite any potentially superior therapeutic profile of AR-13324 or PG324.

Commercialization/reimbursement risk -- Most current glaucoma therapies are generics, and are available relatively cheaply compared to AERI's intended pricing for AR-13324 and PG324; therefore, there is no guarantee AERI will be able to secure reimbursement for these drugs. Most (but not all) glaucoma medications are available in generic form in the US for <\$1 per day in treatment cost. Branded glaucoma therapies that cost between \$2 and \$3/day (the commercial plan for AR-13324 and PG324) are still able to secure reimbursement and meaningful market share, although many are restricted to second-line use with step-edits. We think this will also be the case of the AERI drug despite a significant premium to the existing generics, especially given our predicted superior therapeutic profile.

Financial risk -- AERI's current cash position will not extend through commercialization of AR-13324. AERI has current pro forma assets of \$55M, which we estimate will cover operating expenses through NDA filing of AR-13324, expected in H1/16. This includes the cost of the Phase 3 for AR-13324 and the planned Phase 2b trial of PG324. However, unless AERI secures a significant amount of non-dilutive financing through establishment of commercial partnership, it is unlikely to have cash to cover operating expenses through the AR-13324 launch or for additional Phase 3 development of PG324. Aerie may raise money through the issuance of additional equity.

APPENDIX: IMPORTANT DISCLOSURES

Analyst Certification:

Each authoring analyst of Canaccord Genuity whose name appears on the front page of this research hereby certifies that (i) the recommendations and opinions expressed in this research accurately reflect the authoring analyst's personal, independent and objective views about any and all of the designated investments or relevant issuers discussed herein that are within such authoring analyst's coverage universe and (ii) no part of the authoring analyst's compensation was, is, or will be, directly or indirectly, related to the specific recommendations or views expressed by the authoring analyst in the research.

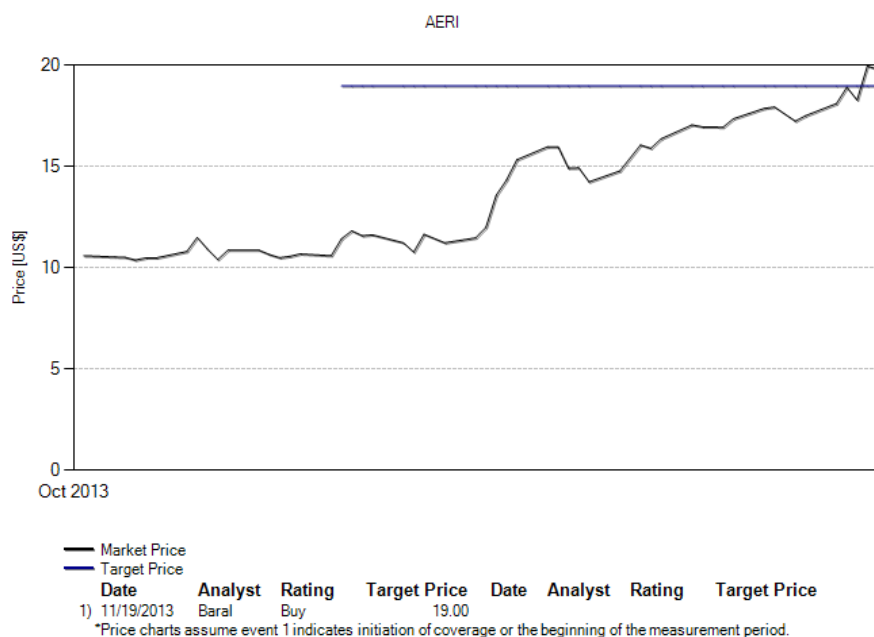
Analysts employed outside the US are not registered as research analysts with FINRA. These analysts may not be associated persons of Canaccord Genuity Inc. and therefore may not be subject to the NASD Rule 2711 and NYSE Rule 472 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

Compendium Report:

If this report covers six or more subject companies, it is a compendium report and Canaccord Genuity and its affiliated companies hereby direct the reader to the specific disclosures related to the subject companies discussed in this report, which may be obtained at the following website (provided as a hyperlink if this report is being read electronically) <http://disclosures.canaccordgenuity.com/EN/Pages/default.aspx>; or by sending a request to Canaccord Genuity Corp. Research, Attn: Disclosures, P.O. Box 10337 Pacific Centre, 2200-609 Granville Street, Vancouver, BC, Canada V7Y 1H2; or by sending a request by email to disclosures@canaccordgenuity.com. The reader may also obtain a copy of Canaccord Genuity's policies and procedures regarding the dissemination of research by following the steps outlined above.

Site Visit:

An analyst has visited Aerie Pharmaceuticals' material operations in Bedminster, NJ. No payment or reimbursement was received from the issuer for the related travel costs.

Price Chart:*
Distribution of Ratings:
 Global Stock Ratings
 (as of 31 December 2013)

Coverage Universe			IB Clients
Rating	#	%	%
Buy	564	57.0%	38.1%
Speculative Buy	47	4.7%	42.6%
Hold	325	32.8%	11.4%
Sell	50	5.1%	6.0%
	990	100.0%	

*Total includes stocks that are Under Review

13 January 2014

**Canaccord Genuity
Ratings System:**

BUY: The stock is expected to generate risk-adjusted returns of over 10% during the next 12 months.
HOLD: The stock is expected to generate risk-adjusted returns of 0-10% during the next 12 months.
SELL: The stock is expected to generate negative risk-adjusted returns during the next 12 months.
NOT RATED: Canaccord Genuity does not provide research coverage of the relevant issuer.

“Risk-adjusted return” refers to the expected return in relation to the amount of risk associated with the designated investment or the relevant issuer.

Risk Qualifier:

SPECULATIVE: Stocks bear significantly higher risk that typically cannot be valued by normal fundamental criteria. Investments in the stock may result in material loss.

Canaccord Genuity Research Disclosures as of 13 January 2014

Company	Disclosure
Aerie Pharmaceuticals	1A, 2, 3, 5, 7
1	The relevant issuer currently is, or in the past 12 months was, a client of Canaccord Genuity or its affiliated companies. During this period, Canaccord Genuity or its affiliated companies provided the following services to the relevant issuer: A. investment banking services. B. non-investment banking securities-related services. C. non-securities related services.
2	In the past 12 months, Canaccord Genuity or its affiliated companies have received compensation for Corporate Finance/Investment Banking services from the relevant issuer.
3	In the past 12 months, Canaccord Genuity or any of its affiliated companies have been lead manager, co-lead manager or co-manager of a public offering of securities of the relevant issuer or any publicly disclosed offer of securities of the relevant issuer or in any related derivatives.
4	Canaccord Genuity acts as corporate broker for the relevant issuer and/or Canaccord Genuity or any of its affiliated companies may have an agreement with the relevant issuer relating to the provision of Corporate Finance/Investment Banking services.
5	Canaccord Genuity or one or more of its affiliated companies is a market maker or liquidity provider in the securities of the relevant issuer or in any related derivatives.
6	In the past 12 months, Canaccord Genuity, its partners, affiliated companies, officers or directors, or any authoring analyst involved in the preparation of this research has provided services to the relevant issuer for remuneration, other than normal course investment advisory or trade execution services.
7	Canaccord Genuity or one or more of its affiliated companies intend to seek or expect to receive compensation for Corporate Finance/Investment Banking services from the relevant issuer in the next six months.
8	The authoring analyst, a member of the authoring analyst's household, or any individual directly involved in the preparation of this research, has a long position in the shares or derivatives, or has any other financial interest in the relevant issuer, the value of which increases as the value of the underlying equity increases.
9	The authoring analyst, a member of the authoring analyst's household, or any individual directly involved in the preparation of this research, has a short position in the shares or derivatives, or has any other financial interest in the relevant issuer, the value of which increases as the value of the underlying equity decreases.
10	Those persons identified as the author(s) of this research, or any individual involved in the preparation of this research, have purchased/received shares in the relevant issuer prior to a public offering of those shares, and such person's name and details are disclosed above.
11	A partner, director, officer, employee or agent of Canaccord Genuity or its affiliated companies, or a member of his/her household, is an officer, or director, or serves as an advisor or board member of the relevant issuer and/or one of its subsidiaries, and such person's name is disclosed above.
12	As of the month end immediately preceding the date of publication of this research, or the prior month end if publication is within 10 days following a month end, Canaccord Genuity or its affiliated companies, in the aggregate, beneficially owned 1% or more of any class of the total issued share capital or other common equity securities of the relevant issuer or held any other financial interests in the relevant issuer which are significant in relation to the research (as disclosed above).
13	As of the month end immediately preceding the date of publication of this research, or the prior month end if publication is within 10 days following a month end, the relevant issuer owned 1% or more of any class of the total issued share capital in Canaccord Genuity or any of its affiliated companies.
14	Other specific disclosures as described above.

“Canaccord Genuity” is the business name used by certain wholly owned subsidiaries of Canaccord Genuity

Group Inc., including Canaccord Genuity Inc., Canaccord Genuity Limited, Canaccord Genuity Corp., and Canaccord Genuity (Australia) Limited, an affiliated company that is 50%-owned by Canaccord Genuity Group Inc.

The authoring analysts who are responsible for the preparation of this research are employed by Canaccord Genuity Corp. a Canadian broker-dealer with principal offices located in Vancouver, Calgary, Toronto, Montreal, or Canaccord Genuity Inc., a US broker-dealer with principal offices located in New York, Boston, San Francisco and Houston, or Canaccord Genuity Limited., a UK broker-dealer with principal offices located in London (UK) and Dublin (Ireland), or Canaccord Genuity (Australia) Limited, an Australian broker-dealer with principal offices located in Sydney and Melbourne.

The authoring analysts who are responsible for the preparation of this research have received (or will receive) compensation based upon (among other factors) the Corporate Finance/Investment Banking revenues and general profits of Canaccord Genuity. However, such authoring analysts have not received, and will not receive, compensation that is directly based upon or linked to one or more specific Corporate Finance/Investment Banking activities, or to recommendations contained in the research.

Canaccord Genuity and its affiliated companies may have a Corporate Finance/Investment Banking or other relationship with the issuer that is the subject of this research and may trade in any of the designated investments mentioned herein either for their own account or the accounts of their customers, in good faith or in the normal course of market making. Accordingly, Canaccord Genuity or their affiliated companies, principals or employees (other than the authoring analyst(s) who prepared this research) may at any time have a long or short position in any such designated investments, related designated investments or in options, futures or other derivative instruments based thereon.

Some regulators require that a firm must establish, implement and make available a policy for managing conflicts of interest arising as a result of publication or distribution of research. This research has been prepared in accordance with Canaccord Genuity's policy on managing conflicts of interest, and information barriers or firewalls have been used where appropriate. Canaccord Genuity's policy is available upon request. The information contained in this research has been compiled by Canaccord Genuity from sources believed to be reliable, but (with the exception of the information about Canaccord Genuity) no representation or warranty, express or implied, is made by Canaccord Genuity, its affiliated companies or any other person as to its fairness, accuracy, completeness or correctness. Canaccord Genuity has not independently verified the facts, assumptions, and estimates contained herein. All estimates, opinions and other information contained in this research constitute Canaccord Genuity's judgement as of the date of this research, are subject to change without notice and are provided in good faith but without legal responsibility or liability.

Canaccord Genuity's salespeople, traders, and other professionals may provide oral or written market commentary or trading strategies to our clients and our proprietary trading desk that reflect opinions that are contrary to the opinions expressed in this research. Canaccord Genuity's affiliates, principal trading desk, and investing businesses may make investment decisions that are inconsistent with the recommendations or views expressed in this research.

This research is provided for information purposes only and does not constitute an offer or solicitation to buy or sell any designated investments discussed herein in any jurisdiction where such offer or solicitation would be prohibited. As a result, the designated investments discussed in this research may not be eligible for sale in some jurisdictions. This research is not, and under no circumstances should be construed as, a solicitation to act as a securities broker or dealer in any jurisdiction by any person or company that is not legally permitted to carry on the business of a securities broker or dealer in that jurisdiction. This material is prepared for general circulation to clients and does not have regard to the investment objectives, financial situation or particular needs of any particular person. Investors should obtain advice based on their own individual circumstances before making an investment decision. To the fullest extent permitted by law, none of Canaccord Genuity, its affiliated companies or any other person accepts any liability whatsoever for any direct or consequential loss arising from or relating to any use of the information contained in this research.

For Canadian Residents: This research has been approved by Canaccord Genuity Corp., which accepts sole responsibility for this research and its dissemination in Canada. Canadian clients wishing to effect transactions in any designated investment discussed should do so through a qualified salesperson of Canaccord Genuity Corp. in their particular province or territory.

For United States Residents: Canaccord Genuity Inc., a US registered broker-dealer, accepts responsibility for this research and its dissemination in the United States. This research is intended for distribution in the United States only to certain US institutional investors. US clients wishing to effect transactions in any designated investment discussed should do so through a qualified salesperson of Canaccord Genuity Inc. Analysts employed outside the US, as specifically indicated elsewhere in this report, are not registered as research analysts with FINRA. These analysts may not be associated persons of Canaccord Genuity Inc. and therefore may not be subject to the NASD Rule 2711 and NYSE Rule 472 restrictions on communications with a subject company, public appearances and trading securities held by a research analyst account.

For United Kingdom and This research is distributed in the United Kingdom and elsewhere Europe, as third party research by

European Residents:

Canaccord Genuity Limited, which is authorized and regulated by the Financial Conduct Authority. This research is for distribution only to persons who are Eligible Counterparties or Professional Clients only and is exempt from the general restrictions in section 21 of the Financial Services and Markets Act 2000 on the communication of invitations or inducements to engage in investment activity on the grounds that it is being distributed in the United Kingdom only to persons of a kind described in Article 19(5) (Investment Professionals) and 49(2) (High Net Worth companies, unincorporated associations etc) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005 (as amended). It is not intended to be distributed or passed on, directly or indirectly, to any other class of persons. This material is not for distribution in the United Kingdom or elsewhere in Europe to retail clients, as defined under the rules of the Financial Conduct Authority.

For Jersey, Guernsey and Isle of Man Residents:

This research is sent to you by Canaccord Genuity Wealth (International) Limited (CGWI) for information purposes and is not to be construed as a solicitation or an offer to purchase or sell investments or related financial instruments. This research has been produced by an affiliate of CGWI for circulation to its institutional clients and also CGWI. Its contents have been approved by CGWI and we are providing it to you on the basis that we believe it to be of interest to you. This statement should be read in conjunction with your client agreement, CGWI's current terms of business and the other disclosures and disclaimers contained within this research. If you are in any doubt, you should consult your financial adviser.

CGWI is licensed and regulated by the Guernsey Financial Services Commission, the Jersey Financial Services Commission and the Isle of Man Financial Supervision Commission. CGWI is registered in Guernsey and is a wholly owned subsidiary of Canaccord Genuity Group Inc.

For Australian Residents:

This research is distributed in Australia by Canaccord Genuity (Australia) Limited ABN 19 075 071 466 holder of AFS Licence No 234666. To the extent that this research contains any advice, this is limited to general advice only. Recipients should take into account their own personal circumstances before making an investment decision. Clients wishing to effect any transactions in any financial products discussed in the research should do so through a qualified representative of Canaccord Genuity (Australia) Limited. Canaccord Genuity Wealth Management is a division of Canaccord Genuity (Australia) Limited.

For Singapore Residents:

This research is distributed pursuant to 32C of the Financial Advisers under an arrangement between each of the Canaccord Genuity entities that publish research and Canaccord Genuity Singapore Pte. Ltd who are an exempt financial adviser under section 23(1)(d) of the Financial Advisers Act. This research is only intended for persons who fall within the definition of accredited investor, expert investor or institutional investor as defined under section 4A of the Securities and Futures Act. It is not intended to be distributed or passed on, directly or indirectly, to any other class of persons. Recipients of this report can contact Canaccord Genuity Singapore Pte. Ltd. (Contact Person: [Tom Gunnensen's tel # is +852 3919 2561](#)) in respect of any matters arising from, or in connection with, the [analyses or report].

For Hong Kong Residents:

This research is distributed in Hong Kong by Canaccord Genuity (Hong Kong) Limited who is licensed by the Securities and Futures Commission. This research is only intended for persons who fall within the definition of professional investor as defined in the Securities and Futures Ordinance. It is not intended to be distributed or passed on, directly or indirectly, to any other class of persons. Recipients of this report can contact Canaccord Genuity (Hong Kong). Ltd. (Contact Person: [Tom Gunnensen's tel # is +852 3919 2561](#)) in respect of any matters arising from, or in connection with, the research.

Additional information is available on request.

Copyright © Canaccord Genuity Corp. 2014. – Member IIROC/Canadian Investor Protection Fund

Copyright © Canaccord Genuity Limited 2014. – Member LSE, authorized and regulated by the Financial Conduct Authority.

Copyright © Canaccord Genuity Inc. 2014. – Member FINRA/SIPC

Copyright © Canaccord Genuity (Australia) Limited 2014. – Participant of ASX Group, Chi-x Australia and of the NSX. Authorized and regulated by ASIC.

All rights reserved. All material presented in this document, unless specifically indicated otherwise, is under copyright to Canaccord Genuity Corp., Canaccord Genuity Limited, Canaccord Genuity Inc. or Canaccord Genuity Group Inc. None of the material, nor its content, nor any copy of it, may be altered in any way, or transmitted to or distributed to any other party, without the prior express written permission of the entities listed above.