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## Google: Pandora's Box Opens a Crack

Internet

Best Idea: Long

21 July 2015

It appears Google started to change its approach to its minimal – and often misleading – disclosure, which we think has both business and valuation benefits (see *Google: Opening Pandora's Box*, Feb. '15). **We see Google creating the illusion that transparency and capital returns are imminent, long before they have been delivered.** It can do this because underlying margins and growth are accelerating, cash has quietly been repatriated, and FX is masking underlying earnings power, helping Google reverse a period of underperformance and command a re-rating for its long-dominant position in Internet services. We think Google can show rising margins based on a mix away from hardware and towards its own Sites. **Blending our DCF, an 11x EV/Adj. EBITDA (similar to sector peers), and a 20x GAAP target P/E on '17 estimates plus net cash of \$59bn (adjusted for tax), yields a new price target of \$800, 21% upside on Google class C shares (our prior target of \$675 was based on '16E EPS).** We keep our Best Idea Long rating, expecting Google has a carefully laid out script for the coming year, of modest revelations in disclosure, addressing "capital not employed," and seeing rising sales amidst easing FX burdens.

### Transparency and Capital Returns: Raindrops in a Desert

Such is the paucity of fresh data coming from Google that a few numbers on YouTube (unlikely to be given on a consistent basis) were received with fervent enthusiasm. **After a period of the customary "soliciting investor feedback", we expect Google will make minimal concessions in reporting, like offering "metrics" on an occasional, inconsistent basis.** We think Google could circumvent any "10%" rule for segmental disclosure, but can see an "Amazon-AWS" moment of speculation around YouTube sales (if not segment profit, if reported), with arguments mustered for both the growth/scale vs. profit trade-off. Just as helpful, but even less likely, would be a regional breakdown of "Rest of World" (45% of sales, with reported sales 6-12% lower due to FX translation, despite hedging). **Similarly, the new CFO's very mention of the words "capital returns" were taken to mean dividends, buybacks and leverage were *fait accompli*.**

Google could pay a \$10/share dividend, costing ~\$7bn, giving it a yield of 1.5% (similar to Apple's starting position); this would take less than a quarter of US-based cash and reflect <25% of likely FCF in 2016. Table 1 shows how Google increased US cash from \$20bn to \$29bn since 3Q14, helping avoid a messy "offshore cash/onshore debt" capital structure. Such a "pay-out ratio" would balance Google's desire to invest in world-changing projects

with a need to mollify investors (and widen its appeal to income funds). **Even so, one can see in Table 2 how we think Google might have "written out" a script to gradually reveal "hints" around disclosure and reforming its cash-heavy capital structure.**

**Table 1: Bringing Home the Bacon**

	3Q14	4Q14	1Q15	2Q15
Net Cash	\$53.5bn	\$56.4bn	\$58.5bn	\$61.9bn
Gross Cash	\$62.2bn	\$64.4bn	\$65.4bn	\$69.8bn
Off-shore Cash	\$41.8bn	\$38.7bn	\$37.6bn	\$40.5bn
<b>US Gross Cash</b>	<b>\$20.4bn</b>	<b>\$25.7bn</b>	<b>\$27.8bn</b>	<b>\$29.3bn</b>

Source: Google, Arete Research estimates.

**Table 2: Writing the Script**

	2Q15	3Q15	4Q15
<b>Transparency</b>	YouTube metrics, (w/o compares)	More "new" metrics, w/o pt. of reference	Review whether <b>obliged to break out YT</b>
<b>Capital Returns</b>	Mention prospect, no commitment	"reviewing options" post-investor feedback	<b>Announce quarterly dividend</b> from 1Q16
<b>Growth</b>	Cite FX headwinds, w/o ref. to profits	Sales growth rises ex-FX headwinds, hedges	<b>Near to "normalised" ~20% RoW growth</b>
<b>Margins</b>	+50bps GAAP, +140bps non-GAAP	Easy comps vs. weak 3Q14 margins	<b>Proof that "discipline" not a "one-off"</b>

Source: Arete Research estimates.

**Table 3: Summ. Financials, '13-'17E Ticker: GOOG US Price at 20 Jul. '15: \$662**  
**Enterprise Value: \$396bn Target Price: \$800 (+21%) DCF Value: \$861**

Year to Dec.	Sales	Sales ex-TAC	Growth	GAAP EBIT	Margin	EPS	Non-GAAP EPS	P/E	Non-GAAP P/E	EV/Adj. EBITDA	FCF Yield
2013	\$55.5bn	\$42.3bn	21%	\$15.4bn	27.7%	\$18.8	\$21.9	35.3x	30.3x	17.6x	3%
2014	\$66.0bn	\$52.5bn	19%	\$16.5bn	25.0%	\$20.6	\$25.9	32.2x	25.6x	15.2x	3%
2015E	\$74.7bn	\$60.7bn	13%	\$20.3bn	27.2%	\$24.0	\$29.7	27.6x	22.3x	13.0x	4%
2016E	\$85.1bn	\$69.7bn	14%	\$24.8bn	29.2%	\$29.3	\$35.6	22.6x	18.6x	10.8x	5%
2017E	\$96.3bn	\$79.6bn	13%	\$29.8bn	31.0%	\$35.0	\$41.6	18.9x	15.9x	9.2x	6%

Source: Arete Research ests. We adjust for tax on offshore cash in our EV. We use the GOOG (Class C shares) ticker.

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## Going Against Type, to Please a New Audience

**We still think – against all likelihood – that Google would benefit both shareholders and also its regulatory situation by holding an analyst day.** An analyst day need not be a self-congratulatory event like Google's I/O developer conference or Brandcast – essentially pitches; but Google would do well to frame its own case for the trade-off between free services and the ad-funded business model, making a positive case with regulators and politicians that it should not be punished for commercial investments in building vast computing platform assets, populating them with “donated” data. In *Google: Future Shock* (July '14), we said Google left its top issues with investors mostly un-resolved. This is still the case, share price moves notwithstanding. Beyond this, Google could also cover reasons behind the sustainability of its core advertising business, and how it realises value from its many initiatives and Venture investments. Google might also narrow its focus as to which of its efforts in **e-commerce, transport, content distribution, health care, smart home and enterprise** could provide \$7bn+ of extra sales (i.e., help Google grow 10%) in a few years' time. It is amazing how analysts – ourselves included – have been relatively untroubled by the -13% and -16% CPCs seen in 1Q15 and 2Q15, so long as TrueView ads were offered as an explanation, while Sites paid clicks growth accelerated from +25% yoy for three quarters to 30% yoy in 2Q15 (against a comp of +33% growth). Investors should know that some of this “new-found transparency” stems from the need to explain, and avoid a severe reaction to, the 1Q15 CPC number. **Its new CFO is less likely to get asked whether she cares about the share price – paying \$5bn of stock comp costs in '15 – but Google's disclosure and capital return story are both more hope than reality for now.** We still think the top priority for Google must be to resolve its EU investigations around search results and bundling Android and GMS. Being the 2<sup>nd</sup>-largest lobbying spender in Washington is no guarantee US regulators will wave aside any future deals; **we see little chance Google undertakes large-scale M&A until it has a regulatory settlement (and can avoid in-depth investigations).**

## Costs in US\$, FX Masks Underlying Profits

Google IR suggests we should not assume the “missing” \$800m and \$1.1bn in 1Q15 and 2Q15 due to FX (after hedging) would have all flowed to the bottom line; **we think they are underplaying the impact of FX on earnings.** We think Google's cost base is primarily in the US (as well as in countries where it likely bases costs on US\$). While it offers no headcount breakdown, Google has 76% of its “long-lived assets” in the U.S., and we expect it sources most of its “production equipment” in US\$ (since component and hardware suppliers largely price in US\$ globally). Adjusted for FX and realised hedging gains, “rest of world” sales grew 20% and 22% in 1Q and 2Q, respectively, while the UK rose 17% and 11%. **Table 4 shows that by our rough calculations, FX dampened Google EPS by ~10% in 1Q15 and ~15% in 2Q15; as FX impacts ease in 2H15, margins could rise further.** Moreover, accounting changes made in 2Q15 (after an “incorrect classification between legal entities”) saw \$1.34bn of '14 sales and \$333m in 1Q15 “moved” from RoW to the US. **This should help future US cash generation.**

## Google's Mix Boosts Margins

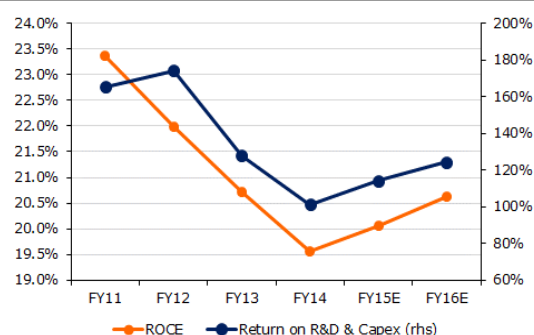
Google's four-year flirtation with hardware – stretching back to Motorola in '12 – is finally waning. The Nexus range settled into a minimal niche, attracting vendors looking to trade off publicity for producing zero-margin devices carrying Google's brand. The latest Nexus 9 tablet was hardly visible in HTC's results. This removes low gross margin product from the mix: anyone hear a mention of Chromebooks recently? By virtue of attracting users to its “one billion” audience properties (YouTube, Gmail, Android, Maps, Search), it will rely less on its Network, where its take rate is anyways rising. **Simply put, Google has to pay less to acquire traffic from its Network, and less to distribute its Sites-based products.** YouTube may change this: content acquisition costs are part of “Other COGS” – a total of \$12.8bn in '15, excl. stock comp – as well as gross payments to Play Store providers, data centre costs, and amortisation (\$1.1bn in '14, excl. a \$378m write-down, with \$865m in purchased asset amortisation

**Table 4: What FX Might Have Done to EPS**

	1Q15	2Q15
Reported Sales	17,258	17,727
Const. FX Sales	18,053	18,830
<b>Difference</b>	<b>4.6%</b>	<b>6.2%</b>
TAC	3,445	3,512
Other COGS	3,162	3,366
Gross Margin	63.4%	63.5%
Reported Gross Margin	63.2%	62.9%
R&D	2,808	2,845
G&A	1,637	1,450
S&M	2,168	2,205
EBIT	4,833	5,452
Reported EBIT	4,447	4,825
<b>Difference</b>	<b>8.7%</b>	<b>13.0%</b>
OI&E, ex FX Losses	219	230
PTP	5,052	5,682
Tax @ Same Rate	1,197	1,175
<b>EPS</b>	<b>5.59</b>	<b>6.52</b>
Reported EPS	5.10	5.69
<b>Difference</b>	<b>9.7%</b>	<b>14.6%</b>

Source: Arete Research.

**Fig. 1: Declining Returns Reversing?**



Source: Arete Research.

expected in '15). We think YouTube already has far higher music engagement than dedicated services like Spotify or Pandora, and far broader reach than Netflix, valued at \$50bn. As one can see in Fig. 1, **we think Google can now show rising ROCE and returns on capex and R&D, as the latter two are reined in.** We see the record FCF of \$4.5bn in 2Q15 supporting our FCF forecast of \$18.8bn in '15E (up from our previous \$18bn, partly due to "discipline" shown in 2Q15). Google still has ample investments (many in enterprise) it could do more to either justify or profit from. **No one would assume Google is investing in cloud, enterprise, home automation or transport purely for defensive (or altruistic) reasons.** There are still many assets Google has, but investors largely overlook: It is owed \$1.5bn by Lenovo, holds \$1bn of Lenovo and Arris shares, and refuses to disclose how it values the \$1.6bn Google Ventures fund, which includes 250+ private company stakes, worth in aggregate far more than the value of funds invested. **This circles back to any additional disclosure Google might wish to make, and ironically, perhaps it feels less compelled to do so now that its share price is again rising.**

## Search, Android, and Other Big Questions

Google has long faced the notion that search was growing less relevant, but hedges this with a combination of Android, Maps and deep links with web brands/apps. It is some comfort that mobile search has overtaken desktop in 10 markets, including the US and Japan, without materially denting results, while 30% of mobile search queries involve location, playing to Google's resource base in Maps and signalling even deeper efforts in local advertising. There is no evidence Facebook or Apple are able to replicate Google's search corpus, and Bing has made a series of bizarre moves (potentially divorcing with Yahoo while transferring sales teams to AOL). While advertisers bemoan the shortcomings of search, they probably cannot avoid working with Google given its scale. **Even with TAC growing slower than sales in '15, many rival Internet publishers rely on Google's annual \$14bn of traffic acquisition payments: this buys a lot of bitten tongues.** We do not see Apple easily shifting away from Google for mobile Safari search given Google Search remains among the top free iPhone apps. We do think Google needs to act to revive Android, after several years of mixed messages for vendors, and with so many "official" (i.e., GMS) Android smartphone/tablet vendors barely making profits on hardware (see *Smartphones: Down to the Final Four*, July '15). Trying to standardise the low-end with Android One just further narrows the space for branded vendors. As we said in Feb., "Google must offer more ways for partners to benefit from the Android ecosystem" before it feels the pain from nearly half of "Android" devices shipping in '15 being Android Open Source, not Google's GMS. **Google has hardly resolved the long-term debate over the centrality of search, or the threat to Android from the relentless rise of Apple among affluent users (now reaching 250m devices p.a.), but neither of these risks has harmed results.**

## Valuation: Uncharted Waters?

As Google shares reach new highs, there is a temptation to wave aside valuation caution. We resist this, partly due to Google's scale: moon-shots are needed to bring meaningful sales growth to a business already on track for \$75bn of '15E sales. There is obviously upside based on our DCF, which yields an ~\$860 fair value. If Google keeps ramping FCF (and should have rising depreciation after its surge in capex) while FX pressures ease, this supports a rising DCF value. There is also an argument that Google deserves a premium to our sector average of 11x EV/EBITDA, but here we exercise restraint until the regulatory investigations are finalised. This multiple yields a fair value of ~\$776. Finally, we roll forward our 20x GAAP P/E to 2017 estimates and see Google worth ~\$762. Blending these three approaches gives us a new \$800 target price for YE16. The one-off \$522m payment in capital stock to Class C shareholders is part of a deal after new shares were issued; this should not create differential EPS in future. **Our theme for 2015 in Internet stocks was the way in which the Davids (smaller companies) would get crushed by the Goliaths, Facebook and Google. Both names remain Best Idea Longs, with our Google target showing a further 21% upside, even if near-term performance pauses to digest a one-time unprecedented rise in market value.**

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**Company Name: Google (Best Idea Long), Target Price: \$800 (YE16)**

**Valuation Methodology:** We value Google on a blend of a DCF, 11x '17 Adj. EBITDA, and 20x '17E GAAP EPS of \$35, plus net cash it held at 2Q15, adjusted for offshore tax.

### Investment Risks:

- 1) Google is facing various regulatory investigations, which could force a structural separation of its search and other units or bring large fines;
- 2) Rivals may attack Google's search dominance with deals to buy market share, or encourage customers to use vertical search on their sites;
- 3) Google services face reputational risk from its tax and privacy policies;
- 4) Google is exposed to lower ad pricing based on rising levels of digital ad inventory and competes with multiple alternative digital ad platforms and locations;
- 5) Costs of distributing video or acquiring content for YouTube could rise significantly; advertisers may only slowly shift to digital and mobile and reduce spend on traditional media.

### Price Chart



Source: Arete Research.

**Company Name: Facebook (FB US-\$98; Long), Target Price: \$95 (YE15)**

**Valuation Methodology:** We value Facebook based on a blend of an 11x 2017E Adj. EV/EBITDA and a DCF (25% sales CAGR until 2021, 8% WACC, 4% terminal growth rate).

### Investment Risks:

- 1) Facebook competes for volatile digital advertising budgets with larger vendors like Google and a range of smaller companies;
- 2) Without having its own hardware ecosystem Facebook is beholden to the policies of Apple and Google around apps permissions;
- 3) Facebook is likely to face scrutiny over user data and privacy, especially in the EU where data protection laws are stronger;
- 4) A high-profile COO may leave in the coming few years, while the company will also likely continue to use its cash flow to acquire more technology assets.

### Price Chart



Source: Arete Research.

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