

HarbourVest Global Private Equity

Stability in a late-cycle environment

HarbourVest Global Private Equity (HVPE) has recorded an uplift in NAV since end-July 2018 of 4.9% and 5.6% in US dollar and sterling terms respectively, with limited impact from increased public market volatility of Q418. Following successful realizations, HVPE aims to rebuild its exposure to the primary strategy (44% vs target 55%), and to the US market (55% vs 65%). Moreover, HVPE looks at further diversification through investments in real assets which are characterized by low correlation with equity markets and provide stable cash flows. Following the transaction in February 2019, HVPE's exposure to real asset and mezzanine investments now stands at 14% (at end-April 2019).

12 months ending	Share price (%)	NAV (%)	Blended Benchmark* (%)	LPX 50 (%)	LPX 50 NAV (%)
30/04/15	28.7	24.3	18.7	16.9	8.0
30/04/16	9.8	10.8	(0.5)	(0.9)	9.1
30/04/17	31.7	23.8	31.2	36.6	26.4
30/04/18	1.0	7.1	7.8	3.9	4.6
30/04/19	20.0	19.6	11.3	11.1	8.3

Source: Thomson Datastream. Note: *Blended benchmark is MSCI AC World up to 30 November 2016 and FTSE All-World thereafter. Total returns in pounds sterling.

Diversification translating into greater stability

In the current late-cycle environment, HVPE's key advantages include the manager's extensive experience (>35 years) in private equity (PE) coupled with a portfolio that is actively managed and strongly diversified by vintage, region, strategy, sector, stage and private equity manager. We believe these aspects are behind historical long-term risk-adjusted returns ahead of the peer average. HVPE's increasing allocation to real assets (with a focus on infrastructure) may provide diversification while delivering a combination of stable income, capital gains and capital preservation. Moreover, in the context of the current Brexit turmoil, it is important to highlight that HVPE's reported UK exposure stands at just 3%.

Recent developments: Resisting market correction

HVPE posted a 4.9% increase in NAV per share from US\$22.93 to US\$24.05 between July 2018 and April 2019 (based on the estimate for April), ahead of FTSE All-World index (+2.6%) and LPX 50 (-1.1%) in US dollar terms. HVPE's new commitments since July 2018 totalled c US\$390m, including US\$260m in December alone. Major cash investments include the acquisition of a global portfolio of infrastructure assets where HVPE invested US\$101.3m in February.

Valuation: Discount above long-term average

HVPE's share price discount to NAV widened temporarily to 28% in December as its shares followed the broader market sell-off, but subsequently narrowed to c 15% as the share price rebounded while NAV remained broadly stable. This suggests that HVPE's shares tend to overreact in response to general market developments, which may temporarily result in a wider discount to NAV.

Investment companies

23 May 2019

Price £15.98/US\$20.35

Market cap £1,276m/

US\$1,625m

NAV* £1,474m/

US\$1,921m

NAV per share* £18.45/US\$24.05
Discount to NAV 15.4%

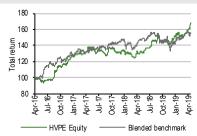
*Estimated by HVPE as at 30 April 2019.

Yield 0.0%
Ordinary shares in issue 79.9m
Code HVPE/HVPD
Primary exchange LSE
AIC sector Private Equity
Benchmark FTSE All-World index

Share price/discount performance



Three-year performance vs index



52-week high/low 1,598p 1,234p NAV** high/low 1,845p 1,543p **Including income.

 Gearing

 Gross*
 0.0%

 Net cash*
 3.0%

 *As at 30 April 2019.

Analysts

Milosz Papst +44 (0)20 3077 5700 Gavin Wood +44 (0)20 3681 2503

investmenttrusts@edisongroup.com

Edison profile page

HarbourVest Global Private Equity is a research client of Edison Investment Research Limited



Exhibit 1: Company at a glance

Investment objective and fund background

HarbourVest Global Private Equity is a Guernsey-incorporated, LSE-listed, closed-ended investment company. Its investment objective is to generate superior shareholder returns, relative to global listed equities, through long-term capital appreciation by investing primarily in a diversified portfolio of private markets investments. Performance is benchmarked against the FTSE All-World index.

Recent developments

- 4 January 2019: credit facility enlarged to US\$600m from US\$500m.
- 14 December 2018: introduction of US dollar quote on LSE under ticker HVPD.
- 18 October 2018: release of H119 results.
- 14 May 2018: Steven Wilderspin joined the board as a non-executive director.
- 11 May 2018: FY18 results announced.
- 16 March 2018: strategic allocation targets revised direct strategy from 15% to 20%, mezzanine and real assets from 5% to 10%, primary strategy from 60% to 55%, and buyout stage from 65% to 60%.

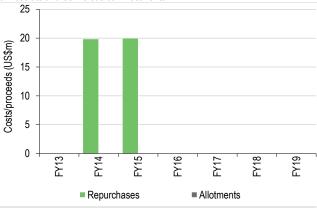
Forthcoming		Capital structure		Fund details			
AGM	July 2019	Ongoing charges	1.89% (FY18 ex perf fees)	Group	HarbourVest Partners LLC		
Final results	29 May 2019	Net cash	3.0% (end-April 2019)	Manager	HarbourVest LP		
Year end	31 January	Annual mgmt fee	1.01% (FY18)	Address	BNP Paribas House, St Julian's Avenue, St		
Dividend paid	N/A	Performance fee	Secondary invts & direct co-invts only		Peter Port, Guernsey, GY1 1WA		
Launch date	6 December 2007	Company life	Indefinite	Phone	+44 (0)1481 750 800		
Continuation vote	N/A	Loan facilities	US\$600m	Website	www.hvpe.com		

Share buyback policy and history (financial years)

HVPE has authority to purchase up to 14.99% of its issued share capital. FY14 and FY15 costs reflect A share redemptions to distribute profits on the realisation of Absolute and Conversus co-investments.

Age of the investment pipeline (31 July 2018)

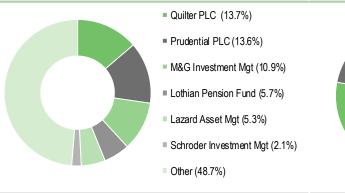
This analysis shows the age profile of HVPE's investment pipeline (totalling US\$1,383m). When commitments are made to underlying third-party funds or HarbourVest secondary or direct funds, these are classified as allocated.

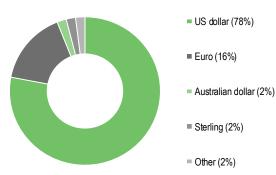




Shareholder base (as at 4 April 2019)

Currency exposure - underlying partnership funds (30 April 2019)





Top 10 third-party managers within	n HVPE's underlying p	ortfolio	(31 July 2018)				
Manager	Region	Strategy	Stage	% of portfolio			
IDG Capital Partners	Asia	Secondary	Venture	2.6			
Thoma Bravo	US	Primary	Mid-cap buyout	1.9			
CapVest Equity Partners	Europe	Secondary	Mid-cap buyout	1.7			
Insight Venture Management	US	Primary	Growth	1.6			
Index Ventures	Europe	Primary	Venture and growth	1.6			
Compass Partners	Europe	Secondary	Mid- to large-cap buyout	1.3			
Hellman & Friedman	US	Primary	Large-cap buyout	1.2			
DCM	Asia	Primary	Venture and growth	1.2			
The Blackstone Group	US	Primary	Buyout	1.2			
Pemba Capital	Asia	Secondary	SME buyout	1.0			
Top 10 (% of portfolio)		·	·	15.3			

Source: HarbourVest Global Private Equity, Edison Investment Research, Bloomberg



Recent developments: Continued outperformance

Since July 2018, HVPE's NAV per share has grown by 4.9% to US\$24.05 at end-April2019, significantly ahead of its benchmark (FTSE All-World 2.6%) and the LPX 50 index, which declined by 1.1% in US dollar terms. HVPE calculates its monthly NAV based on valuations of the HarbourVest funds it invests in, which are updated to the most recent quarter after receiving valuations from the majority of underlying partnerships. These actuals are used to override the estimated revaluations applied by HVPE based on listed peers and assumed betas. As at end-April 2019, 100% of the HarbourVest funds have reported their final valuations as at end-December 2018. Regardless of the period of final valuations from HarbourVest funds, all values are adjusted for FX, cash flows and other material developments between the valuation date and monthly estimate. Around 10% of the total investment portfolio is represented by public companies and these are included based on prices as at 30 April 2019. Over the last four years these revisions have been positive, reflecting developments within the portfolio, as well as favourable market conditions. At end-July 2018, NAV per share was revised up by US\$0.97 or 4.4% vs the preliminary estimate.

Given that HVPE's functional currency is the US dollar, the company focuses on performance measured in this currency. For UK investors, who HVPE estimates account for approximately 68% of the shareholder base, a slight sterling depreciation against the dollar increased the NAV performance in sterling terms to a 5.6% since July 2018 (see table on front page for discrete 12-month performance in sterling terms).

25 24 (0.20)1.54 (0.22)24.05 23 0.97 22.93 VAV per share (US\$) 22 21.96 21 20 19 18 17 16 est. NAV per Reported NAV est. NAV per Adjustment* Realised & Fees and Foreign per share at 31 unrealised gains currency effects share at 30 April share at 31 July operating 2018 July 2018 expenses

Exhibit 2: Movement in NAV per share (US\$) in nine months to 30 April 2019

Source: HarbourVest Global Private Equity monthly factsheets, Edison Investment Research. Note: *Revision from monthly estimate to final reported value.

Commitments, cash investments and realisations

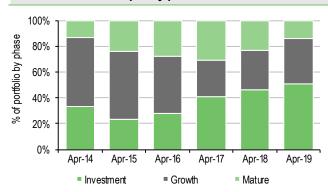
HVPE invests through a three-tier structure, with its investment commitments made to specific HarbourVest funds. During the first three to four years (investment phase) HarbourVest funds make commitments to a number of partnerships that in turn invest in operating companies. During years five to nine (growth phase) most HarbourVest funds are fully invested and actively driving growth. At end-April 2019, 51% of the portfolio is allocated to the investment phase, largely unchanged since July 2018. Over the same period, the share of growth phase investments increased 6pp to 35% (see Exhibit 3). Although the proportion of the portfolio categorised as investment phase may seem relatively high, this does not translate directly to the maturity of individual underlying investments, as the phase categorisation is attributable to the PE partnerships and not the companies in which

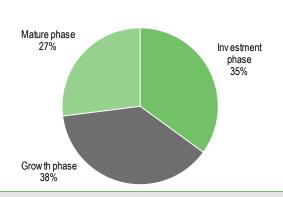


they are invested. As a result, the investment phase of the portfolio may contribute meaningfully to total realisations (in H119, they represented 35% of HVPE's realisations) (see Exhibit 4).

Exhibit 3: Portfolio split by phase

Exhibit 4: Realisations in H119 by phase





Source: HarbourVest Global Private Equity, Edison Investment Research

Source: HarbourVest Global Private Equity, Edison Investment Research

Exhibit 5 illustrates HVPE's commitment level as the total value of its investment portfolio and investment pipeline divided by its net asset value. The ratio gives an indication of HVPE's total exposure to the private equity market and amounted to 171% at end-April 2019, up from 168% at end-July 2018 on the back of new commitments to HarbourVest funds. The coverage ratio on the other hand is the level of cash and available credit facility as a percentage of the investment pipeline. This is a commonly used indicator of balance-sheet risk; HVPE highlights that its fund-offunds structure makes its investment cycle longer than many quoted peers, so it requires a relatively high level of unfunded commitments to remain fully invested; its coverage ratio may therefore appear relatively low while not necessarily posing a greater risk. This total coverage ratio has decreased by 4pp since July 2018 to 46%, which already reflects the open credit line extension to US\$600m (see below).

HVPE also discloses an alternative ratio measuring its medium-term exposure that adds expected realisations in the current year to available liquidity, then divides this by estimated investments over the next three years instead of the total investment pipeline. This rolling coverage ratio stood at 73% at end-April 2019, down from 79% in July 2018 and compares with its five-year average of 93%.

HVPE improved its liquidity position through commencement of a new credit line in January 2019 with the facility size enlarged to US\$600m from US\$500m previously. The credit line remains undrawn and is considered a working capital facility in order to bridge any potential gap between the timing of new investments (based on HVPE's commitments) and realisations. The credit line is not designed to be drawn materially on a regular basis, but rather in exceptional situations. In this context, we believe that enlarging the credit facility is particularly important, given HVPE's current coverage ratio is somewhat below the historical average and its relatively low cash position of US\$58m at end-April 2019. HVPE has maintained a net cash position since August 2014, although on a look-through basis, that is, at the level of HarbourVest funds, the embedded leverage in HVPE's portfolio stood at US\$228.1m at end-July 2018. The company pays a non-utilisation fee on its credit facility (US\$2.9m in H119). The non-utilisation fee on the new facility was reduced to 95bp from 115bp previously, which offsets the increase in size, and there is only a marginal impact on HVPE's expenses. The margin was also reduced by 25bp to LIBOR+2.50% for borrowings below US\$300m. The evergreen facility has a two-year initial no-notice provision and five-year notice period, thus assuring open financing for a minimum of seven years. The facility provides additional flexibility to support HVPE's investment strategy throughout the economic cycle, without short-term cash-flow concerns.

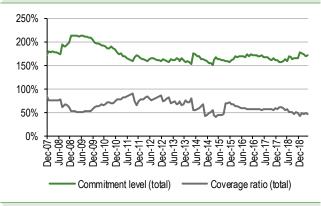


Exhibit 6 gives a view of the progression of HVPE investments by tracking commitments and the subsequent cash outflows and inflows. Unsurprisingly, the configuration of new commitments, cash investment and realisations may differ in the respective years from the long-term average, reflecting the different stages of the investment cycle. The longer the analysed period, the more aligned the metrics are.

Since July 2018, HarbourVest has made commitments to HarbourVest funds amounting to €390m. HVPE committed US\$260m to four HarbourVest-managed funds during December alone compared to 10-year average annual commitments of US\$290m. In total, 88% of these commitments were made to US-focused funds, with US\$155m representing an additional commitment to a US-focused buyout fund-of-funds (taking the total commitment level for this fund to US\$230m). This should in turn translate into higher exposure to US market and primary funds, in line with HVPE's intensions (the company's current exposure to these strategies is below target levels, see below).

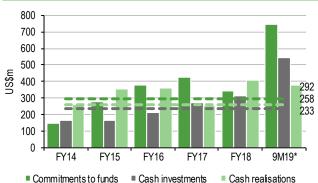
The total cash investments in recent months (since reporting date of July 2018) amounted to €340m, including US\$79.2m in December. In February 2019, the real assets vehicle seeded by HVPE in June 2018 with a US\$150m commitment completed its first deal by acquiring a global portfolio of mature operating infrastructure assets (including toll roads in Spain, airports in North America, as well as ports in Australia). This has been executed through a complex secondary fund restructuring (HVPE develops the secondary style as its unique selling point in this asset class). HVPE invested US\$101.3m in the process, driving cash investments in February to a historical monthly high of US\$112m. As the initial seed investor, HVPE is also entitled to a share of third-party management fee revenue from the vehicle.

Exhibit 5: Commitment and coverage ratios



Source: HarbourVest Global Private Equity, Edison Investment Research

Exhibit 6: Commitments, investments, realisations and 10-year annual averages



Source: HarbourVest Global Private Equity, Edison Investment Research. Note: *Edison estimate based on monthly factsheets, financial year ended January 2019.

Portfolio positioning

In the following two exhibits we summarise HVPE's disclosure on portfolio positioning based on four criteria: investment stage, geography, strategy and industry. In Exhibit 1 (page two) there are charts showing the split of underlying funds by currency of denomination (78% US dollar) and an analysis of the investment pipeline by vintage (48% one to three years at end-July 2018).



Exhibit 7: Actual and target exposures by stage, geography and strategy (% of N	AV at end-
April 2019)	

		Geography			Strategy		
Actual	Target		Actual	Target		Actual	Target
55	60	US	55	65	Primary	44	55
31	30	Europe	21	18	Secondary	34	25
14	10	Asia Pacific	17	12	Direct	22	20
		Rest of world	7	5			
100	100		100	100		100	100
	55 31 14	55 60 31 30 14 10	Actual Target 55 60 US 31 30 Europe 14 10 Asia Pacific Rest of world	Actual Target Actual 55 60 US 55 31 30 Europe 21 14 10 Asia Pacific 17 Rest of world 7	Actual Target Actual Target 55 60 US 55 65 31 30 Europe 21 18 14 10 Asia Pacific 17 12 Rest of world 7 5	Actual Target Actual Target 55 60 US 55 65 Primary 31 30 Europe 21 18 Secondary 14 10 Asia Pacific 17 12 Direct Rest of world 7 5	Actual Target Actual Target Actual 55 60 US 55 65 Primary 44 31 30 Europe 21 18 Secondary 34 14 10 Asia Pacific 17 12 Direct 22 Rest of world 7 5 5 5 65 Primary Actual

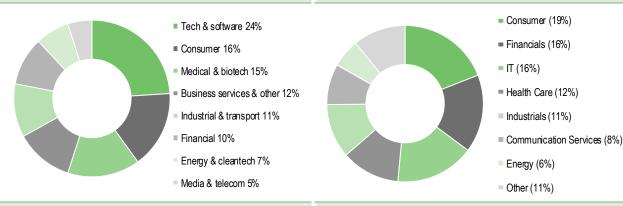
Source: HarbourVest Global Private Equity

In Exhibit 7, we include the last reported portfolio position (at end-April 2019) and the company's five-year rolling strategic asset allocation targets (last revised in February 2018). This shows the predominance of buyout, US and primary investments, which in turn broadly mirrors the overall profile of the global private equity industry. HVPE notes that it still sees primary investment as core to its strategy, as it gives access to managers with strong track records whose funds are less likely to be available on the secondary market. It will therefore actively seek to move towards the target allocation here.

To further improve portfolio diversification, HVPE has increased its real assets and mezzanine investment exposure to 14% at end-April 2019 from 9% at end-July 2018. The allocation to this asset class is now ahead of HVPE's target of 10% (which was revised upwards from 5% in February 2018). This is largely attributable to the deal involving a real assets vehicle discussed above. The investment manager sees solid opportunities in the real assets space, as a capital maturity cliff forces certain owners of good-quality real assets to sell or restructure their holdings. Moreover, there seems to be a considerable funding gap in the infrastructure space despite strong PE fundraising in this area, as the Global Infrastructure Initiative led by McKinsey Global Institute estimates that at least US\$4tn has to be invested globally per year through to 2035 to keep pace with economic growth. Importantly, this asset class provides a certain degree of protection against economic uncertainty and inflation due to the ability to pass cost inflation to customers.

Exhibit 8: Analysis by industry (end April 2019)





Source: HarbourVest Global Private Equity, Edison Investment Research

Source: HarbourVest Global Private Equity, Edison Investment Research

We compare HVPE's industry exposures with a public market index, MSCI World; sector classification is not the same but broadly overlaps. HVPE has greater exposure to tech and software at 24% compared with the 16% share of IT in the index. This is compensated mostly by a significantly lower share of financials in the portfolio, with 10% exposure compared with a 16% weight in the index. The manager has noted that shifts in the technology landscape over the next 10 years are likely to be a salient investment theme. It is worth noting that due to the fund-of-funds structure and the associated longer investment cycle, HVPE does not have the ability to quickly make large changes to its sector weightings in response to new arising megatrends. However, this also protects the trust against excessive exposure to 'hot' and overrated investment themes.



Private market background and outlook

The PE markets may have entered a late-cycle environment, and 2018 marked a record post-crisis high in terms of deal volume and valuations. Key themes were a focus on generating liquidity (exits) in the buyout market and continued growth in the levels of undeployed capital in both buyout and venture markets. Although there are similarities to the market conditions prevailing back in 2007, PE funds seem to be better prepared for a potential market downturn, whenever it may come, according to McKinsey's 2019 private markets sector report (see below for a more detailed elaboration).

Global private equity deal volume surpassed the 2007 peak with transactions worth a total of US\$1.4tn (up from US\$1.3tn in 2017), according to McKinsey. Growth was driven mostly by North America rising 20% y-o-y and Europe up by 5%, whereas deal volume in Asia dropped sharply by 42%, back to 2015 levels. The global volume was propelled by growth in deal size, as the number of deals decreased by 5% y-o-y to 9,000. An important contributor was megadeals (worth more than US\$5bn) in North America and Europe – 19 transactions of this scale were struck in 2018 compared to 15 in 2017 and nine in 2016.

As global dry powder (ie uninvested capital committed) has increased (over US\$2trn at end H118 compared to c US\$1trn in 2007–2010), valuations have become more demanding (2018 average EV/EBITDA at 11.1x vs 10-year average of 9.2x). At present, 68% of surveyed European investors and 62% of fund managers believe asset valuation will be a key challenge for returns in 2019 (according to the Global Private Equity and Venture Capital Report prepared by Preqin). To generate the desired returns on new deals, private equity firms globally have to turn to value-creation strategies beyond pure financial engineering. This includes in particular the buy-and-build approach, as well as business internationalisation. The former strategy may also allow the PE fund to blend down the average investment entry valuation multiple, as add-on acquisitions are executed, possibly at less demanding multiples that do not discount the synergies to be realised by the investment platform. The high level of dry powder is also encouraging PE funds to diversify into credit, real estate and infrastructure. The latter is illustrated by the 17% y-o-y increase in infrastructure fundraising to US\$82bn, while global fundraising in private markets decreased by 11% to US\$778bn driven by a decrease in private equity fundraising.

Average deal size in 2018 rose by US\$17m to a post-crisis high of US\$157m. Growth was fueled evenly by higher valuation multiples and larger targets. Increases in valuations and deal size can be at least partially explained by General Partners seeking higher-quality assets that will prove more resilient in an economic downturn.

In 2018, the PE market reached valuations last seen immediately before the financial crisis, with the proportion of covenant-lite debt increasing, evidenced by 38% of North American private credit lenders reporting lower financial covenants in the past year (survey by Alternative Credit Council). However, the market seems better prepared for a potential economic downturn than it was in 2007. The PE market is twice as large in AUM terms and the risk of being forced to sell at discounted prices is lower, as the secondaries market is now deeper and funds have a higher amount of dry powder at their disposal. On average, funds can continue purchasing activity for 1.9 years with their current resources, compared to 1.6 years in 2007. Since 2007, median leverage on PE deals has decreased to 50% from 58%. There are also immeasurable differences in the current market environment, including increased awareness of vintage risk, lack of club deals and wider utilisation of pacing plans. One should also note that funds capable of purchasing at the prevailing low valuations during the last crisis achieved extraordinary returns and General Partners' desire to follow that approach in the current cycle should keep valuations from experiencing such a substantial fall as seen in 2008–2009.

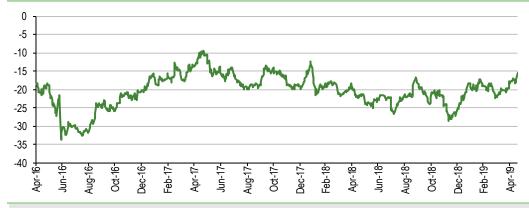


Looking ahead, equity markets have been recovering from Q418 declines and are nearing Q318 peaks. Volatility remains elevated, with macro and political uncertainties a potential source of further corrections that would read across to private equity pricing. In the environment of limited targets, and elevated prices wide diversification and access to number of private equity managers represent key HVPE advantage in our view and may provide for a more defensive portfolio in possible times of turmoil. Also, HVPE's approach of consistent investment moderates the impact of fluctuating pricing due to the relatively long-term nature of the private equity investment cycle.

Discount: Just below average levels

At 15.4% below net asset value, HVPE shares are trading at a discount that is wide in absolute terms but somewhat below the average levels over one, three and five years (21.6%, 20.4% and 20.3% respectively). Exhibit 10 shows that the discount widened significantly in Q418, with the share price following negative equity market developments, which did not translate into such a significant NAV decrease. With equity markets rebounding significantly in 2019, HVPE's discount narrowed below its historical average. The reported NAV could be also somewhat understated compared to possible value upon realisations as HVPE has recorded a long-term average (since 2012 to July 2018) uplift on realisations of 41%.

Exhibit 10: Share price discount to NAV in US\$ terms over three years (%)



Source: Thomson Datastream, Edison Investment Research

Peer group comparison

In our peer comparison (Exhibit 11) we include six other members of the AIC Private Equity sector that also have a fund-of-funds structure. NAV total returns are in sterling terms and HVPE's performance is ahead of the peer group averages over one, three, five and 10 years, leading the sector over all periods except the three-year horizon where it ranks second. After recent narrowing of the discount, HVPE trades at a discount broadly in line with the peer average. HVPE's ongoing charge is at the upper end of the range within the group.



Exhibit 11: Private equity funds of funds peer group*										
% unless stated	Market cap £m	NAV TR 1 year	NAV TR 3 year	NAV TR 5 year	NAV TR 10 year	Discount (ex-par)	Ongoing charge	Perf. fee	Net gearing	Dividend yield
HarbourVest Global Private Equity	1,274.6	19.6	58.5	118.3	256.2	(13.4)	1.89	Yes	100	0.0
BMO Private Equity Trust	245.5	13.2	42.4	74.7	145.3	(11.9)	1.24	Yes	100	4.3
ICG Enterprise Trust	604.4	10.9	51.7	75.6	185.5	(17.6)	1.34	Yes	100	2.5
JPEL Private Equity	216.6	9.3	59.1	106.5	41.7	(17.3)	1.66	Yes	123	0.0
NB Private Equity Partners	520.1	13.4	56.5	109.9	N/A	(22.0)	1.91	Yes	n.d.	3.4
Pantheon International	1,184.6	12.3	49.2	92.6	170.5	(17.6)	1.34	Yes	100	0.4
Standard Life Private Equity	550.4	7.9	44.3	81.3	159.9	(13.3)	1.13	No	100	3.6
Peer group average	656.6	12.4	51.7	94.1	159.9	(16.2)	1.50		104	2.8
Rank	1	1	2	1	1	3	2		2	6=

Source: Morningstar, Edison Investment Research. Note: *Performance to end April 2019. TR=total return in sterling terms. Net gearing is total assets less cash and equivalents as a percentage of net assets (100 = ungeared).

We have also examined HVPE's risk-adjusted NAV returns vs selected peers, covering a period of around 11 years (ie, including the culmination of the financial crisis) and present our results in Exhibit 12. HVPE has outperformed its peers based on the Sharpe ratio in sterling terms in the analysed period. This is a function of higher returns generated at a broadly similar level of NAV volatility as compared with other listed private equity investment companies. This is only partially attributable to the weakness of sterling against the US dollar (HVPE's portfolio exposure to the US dollar normally stands at around 70%). We acknowledge that the trust's long investment cycle calls for a longer-term focused approach to examining its performance. With respect to the Sortino ratio, HVPE has outperformed the peer group with the sole exception of the two-year calculation.

Exhibit 12: Private equity funds of funds peer group* risk-return ratios												
		1 year	2 year	3 year	4 year	5 year	6 year	7 year	8 year	9 year	10 year	Since April 2008
Sharpe ratio	HVPE	1.74	1.26	1.60	1.50	1.71	1.42	1.42	1.37	1.27	1.19	0.93
	Peers average	0.84	0.91	0.72	0.70	0.73	0.65	0.63	0.56	0.58	0.51	0.30
	vs peers	0.90	0.35	0.88	0.79	0.97	0.77	0.79	0.81	0.69	0.68	0.63
Sortino ratio	HVPE	9.06	2.57	3.67	3.47	4.26	3.20	3.37	3.28	2.57	2.15	1.34
	Peers average	3.04	3.36	1.89	1.60	1.70	1.45	1.30	1.03	1.01	0.84	0.34
	vs peers	6.02	-0.80	1.78	1.88	2.56	1.75	2.07	2.25	1.56	1.31	0.99

Source: Morningstar, Edison Investment Research. Note: *Peer group includes: BMO Private Equity Trust, ICG Enterprise Trust, JPEL Private Equity, Pantheon International and Standard Life Private Equity.



General disclaimer and copyright

This report has been commissioned by HarbourVest Global Private Equity and prepared and issued by Edison, in consideration of a fee payable by HarbourVest Global Private Equity. Edison Investment Research standard fees are £49,500 pa for the production and broad dissemination of a detailed note (Outlook) following by regular (typically quarterly) update notes. Fees are paid upfront in cash without recourse. Edison may seek additional fees for the provision of roadshows and related IR services for the client but does not get remunerated for any investment banking services. We never take payment in stock, options or warrants for any of our services.

Accuracy of content: All information used in the publication of this report has been compiled from publicly available sources that are believed to be reliable, however we do not guarantee the accuracy or completeness of this report and have not sought for this information to be independently verified. Opinions contained in this report represent those of the Edison analyst at the time of publication. Forward-looking information or statements in this report contain information that is based on assumptions, forecasts of future results, estimates of amounts not yet determinable, and therefore involve known and unknown risks, uncertainties and other factors which may cause the actual results, performance or achievements of their subject matter to be materially different from current expectations.

Exclusion of Liability: To the fullest extent allowed by law, Edison shall not be liable for any direct, indirect or consequential losses, loss of profits, damages, costs or expenses incurred or suffered by you arising out or in connection with the access to, use of or reliance on any information contained on this note.

No personalised advice: The information that we provide should not be construed in any manner whatsoever as, personalised advice. Also, the information provided by us should not be construed by any subscriber or prospective subscriber as Edison's solicitation to effect, or attempt to effect, any transaction in a security. The securities described in the report may not be eligible for sale in all jurisdictions or to certain categories of investors.

Investment in securities mentioned: Edison has a restrictive policy relating to personal dealing and conflicts of interest. Edison Group does not conduct any investment business and, accordingly, does not itself hold any positions in the securities mentioned in this report. However, the respective directors, officers, employees and contractors of Edison may have a position in any or related securities mentioned in this report, subject to Edison's policies on personal dealing and conflicts of interest.

Copyright: Copyright 2019 Edison Investment Research Limited (Edison). All rights reserved FTSE International Limited ("FTSE") © FTSE 2019. "FTSE©" is a trade mark of the London Stock Exchange Group companies and is used by FTSE International Limited under license. All rights in the FTSE indices and/or FTSE ratings vest in FTSE and/or its licensors. Neither FTSE nor its licensors accept any liability for any errors or omissions in the FTSE indices and/or FTSE ratings or underlying data. No further distribution of FTSE Data is permitted without FTSE's express written consent.

Australia

Edison Investment Research Pty Ltd (Edison AU) is the Australian subsidiary of Edison. Edison AU is a Corporate Authorised Representative (1252501) of Myonlineadvisers Pty Ltd who holds an Australian Financial Services Licence (Number: 427484). This research is issued in Australia by Edison AU and any access to it, is intended only for "wholesale clients" within the meaning of the Corporations Act 2001 of Australia. Any advice given by Edison AU is general advice only and does not take into account your personal circumstances, needs or objectives. You should, before acting on this advice, consider the appropriateness of the advice, having regard to your objectives, financial situation and needs. If our advice relates to the acquisition, or possible acquisition, of a particular financial product you should read any relevant Product Disclosure Statement or like instrument

New Zealand

The research in this document is intended for New Zealand resident professional financial advisers or brokers (for use in their roles as financial advisers or brokers) and habitual investors who are "wholesale clients" for the purpose of the Financial Advisers Act 2008 (FAA) (as described in sections 5(c) (1)(a), (b) and (c) of the FAA). This is not a solicitation or inducement to buy, sell, subscribe, or underwrite any securities mentioned or in the topic of this document. For the purpose of the FAA, the content of this report is of a general nature, is intended as a source of general information only and is not intended to constitute a recommendation or opinion in relation to acquiring or disposing (including refraining from acquiring or disposing) of securities. The distribution of this document is not a "personalised service" and, to the extent that it contains any financial advice, is intended only as a "class service" provided by Edison within the meaning of the FAA (i.e. without taking into account the particular financial situation or goals of any person). As such, it should not be relied upon in making an investment decision.

United Kingdom

This document is prepared and provided by Edison for information purposes only and should not be construed as an offer or solicitation for investment in any securities mentioned or in the topic of this document. A marketing communication under FCA Rules, this document has not been prepared in accordance with the legal requirements designed to promote the independence of investment research and is not subject to any prohibition on dealing ahead of the dissemination of investment research.

This Communication is being distributed in the United Kingdom and is directed only at (i) persons having professional experience in matters relating to investments, i.e. investment professionals within the meaning of Article 19(5) of the Financial Services and Markets Act 2000 (Financial Promotion) Order 2005, as amended (the "FPO") (ii) high net-worth companies, unincorporated associations or other bodies within the meaning of Article 49 of the FPO and (iii) persons to whom it is otherwise lawful to distribute it. The investment or investment activity to which this document relates is available only to such persons. It is not intended that this document be distributed or passed on, directly or indirectly, to any other class of persons and in any event and under no circumstances should persons of any other description rely on or act upon the contents of this document.

This Communication is being supplied to you solely for your information and may not be reproduced by, further distributed to or published in whole or in part by, any other person

United States

The Investment Research is a publication distributed in the United States by Edison Investment Research, Inc. Edison Investment Research, Inc. is registered as an investment adviser with the Securities and Exchange Commission. Edison relies upon the "publishers' exclusion" from the definition of investment adviser under Section 202(a) (11) of the Investment Advisers Act of 1940 and corresponding state securities laws. This report is a bona fide publication of general and regular circulation offering impersonal investment-related advice, not tailored to a specific investment portfolio or the needs of current and/or prospective subscribers. As such, Edison does not offer or provide personal advice and the research provided is for informational purposes only. No mention of a particular security in this report constitutes a recommendation to buy, sell or hold that or any security, or that any particular security, portfolio of securities, transaction or investment strategy is suitable for any specific person.