CalPERS Alternative Investment Vehicle (AIV) Fee Expense Disclosure (AB 2833 Report) - Absolute Return Strategies
as of June 30, 2019

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
Requirements of § 6254.26											**Requirements of § 7514.7**				
AIV name	**Address**	**Vintage year***	**Capital committed ($)***	**Cash contributions ($)***	**Cash distributions ($)***	**Cash distributions + remaining value ($)**	**Cash profit received ($)**	**Investment multiple***	**Management fees and costs ($)***	**Net IRR***	**Gross IRR***	**Fees and expenses paid by CalPERS directly to GP or related parties ($)**	**Fees and expenses paid by the AIV to the GP or related parties ($)**	**Fees and expenses paid by portfolio companies ($)**	**Carried interest distributed ($)***
Brookside Capital Partners Fund, L.P.	www.baincapitalpublicequity.com	2002	141,780,360	141,780,360	233,528,113	234,262,347	474,949	1.7	13,966	5.3%	N/A	-	-	-	89,795
Carlyle Multi Strat Partners LP	www.carlyle.com	2007	75,000,000	75,000,000	48,913,441	49,403,550	-	0.7	-	-4.1%	N/A	-	-	-	-
Chatham Eureka Fund LP	www.chathamasset.com	2009	607,707,883	607,707,883	530,700,000	694,350,809	14,000,000	1.1	-	0.5%	N/A	-	-	-	-
OZ Domestic Partners II, L.P.	www.ozm.com	2005	420,000,000	420,000,000	521,160,274	522,629,707	340,981	1.2	157	1.8%	N/A	-	-	-	12,996
OZ Eureka Fund, LP	www.ozm.com	2010	515,642,687	515,642,687	-	16,117,970	-775,805,005	0.0	287,063	9.4%	N/A	-	-	-	154,086
SuttonBrook Eureka Fund LP	www.suttonbrook.com	2007	153,836,426	153,836,426	114,527,339	115,550,621	-	0.8	-	-12.7%	N/A	-	-	-	-
Total			1,913,967,356	1,913,967,356	1,448,829,167	1,632,315,003	-760,989,075		301,186						256,877

CalPERS Alternative Investment Vehicle (AIV) Fee Expense Disclosure (AB 2833 Report) - Global Equity
as of June 30, 2019

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
Requirements of § 6254.26											**Requirements of § 7514.7**				
AIV name	**Address**	**Vintage year**	**Capital committed ($)**	**Cash contributions ($)**	**Cash distributions ($)**	**Cash distributions + remaining value ($)**	**Cash profit received ($)**	**Investment multiple**	**Management fees and costs ($)**	**Net IRR**	**Gross IRR**	**Fees and expenses paid by CalPERS directly to GP or related parties ($)**	**Fees and expenses paid by the AIV to the GP or related parties ($)**	**Fees and expenses paid by portfolio companies ($)**	**Carried interest distributed ($)**
Cartica Capital Partners, LP	https://www.cartica.com/	2009	300,000,000	300,000,000	-	474,005,911	-	1.6	6,948,077	5.7%	7.3%	-	6,948,077	-	-
Strategic Investment Group Ventures II, LLC	https://strategicgroup.com/	2006	2,236,332	2,001,361	-	11,715,252	-	5.9	78,184	11.0%	28.0%	-	78,184	-	-
Total			302,236,332	302,001,361		485,721,163			7,026,261				7,026,261		

CalPERS Alternative Investment Vehicle (AIV) Fee Expense Disclosure (AB 2833 Report) - Private Equity
as of June 30, 2019

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
Requirements of § 6254.26											**Requirements of § 7514.7**				
AIV name	**Address**	**Vintage year**	**Capital committed ($)**	**Cash contributions ($)**	**Cash distributions ($)**	**Cash distributions + remaining value ($)**	**Cash profit received ($)**	**Investment multiple**	**Management fees and costs ($)**	**Net IRR**	**Gross IRR**	**Fees and expenses paid by CalPERS directly to GP or related parties ($)**	**Fees and expenses paid by the AIV to the GP or related parties ($)**	**Fees and expenses paid by portfolio companies ($)**	**Carried interest distributed ($)**
57 Stars Global Opportunities Fund 2 (CalPERS), LLC	http://www.57stars.net	2009	500,000,000	484,437,112	172,950,309	712,423,392	-	1.47	865,119	9.5%		-	865,119	-	-
57 Stars Global Opportunities Fund, LLC	http://www.57stars.net	2007	430,000,000	409,689,345	462,297,881	609,032,692	35,873,290	1.49	781,311	7.4%		-	781,311	-	-
Aberdare Ventures IV, LP	http://www.aberdare.com	2008	50,000,000	50,000,000	23,169,038	49,060,046	1,272,399	0.98	181,695	-0.4%		-	181,695	17,964	-
Advent International GPE V-D, L.P.	http://www.adventinternational.com	2005	80,988,828	77,609,736	183,254,304	187,144,232	-	2.41	77,891	42.7%		-	77,891	-	-
Advent International GPE VI-A, L.P.	http://www.adventinternational.com	2008	500,000,000	502,306,204	963,552,202	1,057,435,200	98,616,828	2.11	4,099,342	16.9%		-	4,099,342	-	19,676,602
Advent International GPE VII-C, L.P.	http://www.adventinternational.com	2012	450,000,000	423,732,784	381,913,056	753,966,206	74,351,642	1.78	4,099,548	16.1%		-	4,099,548	91,682	42,719,729
Advent International GPE VIII-B Limited Partnership	http://www.adventinternational.com	2016	500,000,000	420,500,000	-	517,865,762	-	1.23		15.7%	24.3%	-	11,042,244	40,620	-
Advent Latin America Private Equity Fund IV-D, L.P.	http://www.adventinternational.com	2007	200,000,000	205,315,197	264,640,196	307,844,766	-	1.50	505,613	9.2%		-	505,613	-	-
Advent Latin America Private Equity Fund V-H L.P.	http://www.adventinternational.com	2010	100,000,000	96,200,000	48,000,000	112,293,708	5,206,624	1.17	869,542	3.3%		-	869,542	-	-
Advent Latin American Private Equity Fund III-D L.P.	http://www.adventinternational.com	2006	50,000,000	49,385,090	66,456,184	72,689,935	-	1.47	122,271	9.9%		-	122,271	-	-
Affinity Asia Pacific Fund III L.P.	http://www.affinityequity.com	2007	150,000,000	153,542,397	192,125,086	219,563,970	-	1.43	684,139	9.6%		-	684,139	-	3,047,266
Aisling Capital III, LP	http://www.aislingcapital.com	2008	90,000,000	113,073,646	240,097,926	251,776,636	82,204,615	2.23	224,658	26.5%		-	224,658	-	19,848,612
Apollo Credit Opportunity Fund I, L.P.	http://www.agm.com	2008	1,000,000,000	1,225,580,618	3,158,528,657	3,176,474,016	6,963,121	2.59	-	27.4%		-	0	174,879	1,110,055
Apollo Investment Fund IX, L.P	http://www.agm.com	2019	550,000,000	50,239,055	5,695	41,992,495	5,695	0.84	11,725,386	-16.3%	14.8%	-	11,725,386	0	-
Apollo Investment Fund VI, L.P.	http://www.agm.com	2006	520,000,000	866,357,105	1,218,417,644	1,228,120,799	-	1.42	-	8.3%		-	0	6,889	-
Apollo Investment Fund VII, L.P.	http://www.agm.com	2008	800,000,000	1,200,720,822	1,783,635,977	1,914,354,870	145,749	1.59	1,604,725	22.1%		-	1,604,725	276,278	-
Apollo Investment Fund VIII, L.P.	http://www.agm.com	2013	500,000,000	467,077,211	153,805,600	602,788,545	18,004,229	1.29	639,761	10.8%		-	639,761	1,916,121	4,472,438
Apollo Special Opportunities Managed Account, L.P.	http://www.agm.com	2007	800,000,000	800,000,000	930,471,440	1,083,320,236	124,442,218	1.35	2,710,180	3.8%		-	2,710,180	-	-
ArcLight Energy Partners Fund IV, L.P.	http://www.arclightcapital.com	2007	250,000,000	255,794,752	380,278,283	388,927,985	6,951,098	1.52	-	12.6%		-	0	-	3,579,841
Ares Corporate Opportunities Fund III, L.P.	http://www.aresmgmt.com	2008	400,000,000	506,747,998	796,107,610	1,059,250,684	61,035,450	2.09	2,089,978	20.6%		-	2,089,978	6,603	14,461,947
Ares Corporate Opportunities Fund V, L.P.	http://www.aresmgmt.com	2017	425,000,000	282,894,269	7,316,589	305,220,467	371,311	1.08	8,736,863	8.5%	17.3%	-	8,736,863	28,605	-
Asia Alternatives Capital Partners II LP	http://www.asiaalt.com	2008	48,933,451	49,971,563	65,597,337	116,777,265	15,062,986	2.34	164,165	17.8%		-	164,165	-	-
Asia Alternatives Capital Partners, LP	http://www.asiaalt.com	2007	50,000,000	53,423,431	88,318,255	98,168,451	3,101,307	1.84	45,822	11.6%		-	45,822	-	209,963
Baring Vostok Private Equity Fund IV L.P. / Supplement	http://www.baring-vostok.com	2007	77,775,000	90,551,381	70,956,351	107,827,636	9,537,845	1.19	385,249	3.4%		-	385,249	-	-
BDC III C LP	http://www.bridgepoint.eu	2017	129,721,276	63,640,464	12,600,380	99,325,796	2,112,993	1.56	2,310,088	51.0%	60.7%	-	2,310,088	-	-
Birch Hill Equity Partners (US) III, LP	http://www.birchhillequity.com	2005	126,009,456	142,146,954	238,353,573	264,415,334	4,084,360	1.86	39,507	12.0%		-	39,507	-	1,199,159
Birch Hill Equity Partners (US) IV, LP	http://www.birchhillequity.com	2011	136,975,032	129,782,311	101,542,162	228,683,939	2,185,795	1.76	1,154,783	13.1%		-	1,154,783	-	-
Blackstone / GSO Capital Solutions Fund, LP	http://www.blackstone.com	2010	250,000,000	357,750,398	434,831,447	451,205,914	9,135,737	1.26	173,588	10.6%		-	173,588	-	1,751,219
Blackstone Capital Partners IV L.P.	http://www.blackstone.com	2003	200,000,000	229,462,078	555,334,280	563,915,067	891,482	2.46	-	36.4%		-	0	376	2,592,736
Blackstone Capital Partners V L.P.	http://www.blackstone.com	2006	600,000,000	793,740,459	1,183,063,403	1,209,548,361	2,003,331	1.52	142,491	7.8%		-	142,491	41,325	1,537,513
Blackstone Capital Partners VI L.P.	http://www.blackstone.com	2011	500,000,000	527,001,256	405,806,621	837,130,942	64,610,212	1.59	2,970,680	13.1%		-	2,970,680	514,510	12,800,615
Blackstone Capital Partners VII, L.P.	http://www.blackstone.com	2016	500,000,000	285,131,703	29,512,587	355,139,145	9,399,373	1.25	9,727,859	19.7%	33.3%	-	9,727,859	4,339	1,430,422
Blackstone Tactical Opportunities Fund - C L.P.	http://www.blackstone.com	2012	800,000,000	966,267,204	919,524,834	1,314,902,034	86,294,883	1.36	4,892,157	11.1%		-	4,892,157	-	10,289,947
Blackstone Tactical Opportunities Fund (KG Co-Invest)	http://www.blackstone.com	2015	153,856,399	137,823,763	49,455,110	151,236,344	-	1.10	467,020	2.9%		-	467,020	-	-
Blackstone Tactical Opportunities Fund (T4U Co-Invest)	http://www.blackstone.com	2015	50,000,000	42,474,042	-	64,021,884	-	1.51	231,632	11.0%		-	231,632	-	-
Blackstone Tactical Opportunities Fund II - C L.P.	http://www.blackstone.com	2015	500,000,000	429,918,841	166,097,405	571,199,857	35,696,074	1.33	5,017,284	15.6%		-	5,017,284	-	3,720,927
Blackstone Tactical Opportunities Fund III-C L.P.	http://www.blackstone.com	2018	350,000,000	57,645,425	365,528	58,021,417	365,528	1.01	147,942	2.2%	3.0%	-	147,942	-	-
Bridgepoint Europe II 'A' LP	http://www.bridgepoint.eu	2001	111,188,815	127,309,360	226,120,074	227,379,637	-	1.79	-	29.3%		-	0	-	219,847
Bridgepoint Europe II 'C' L.P.	http://www.bridgepoint.eu	2015	27,292,850	1,914,485	398,635	683,631	-	0.36	-	-30.3%		-	0	-	55,464
Bridgepoint Europe IV 'B' L.P.	http://www.bridgepoint.eu	2015	89,967,214	66,889,351	64,498,426	93,893,702	21,025,684	1.40	78,842	16.6%		-	78,842	-	9,025,724
Bridgepoint Europe IV 'D' LP	http://www.bridgepoint.eu	2008	399,502,196	387,541,751	491,440,242	602,955,842	79,697,547	1.56	299,056	10.2%		-	299,056	-	34,235,601
Bridgepoint Europe V	http://www.bridgepoint.eu	2014	400,695,676	368,394,989	55,029,511	477,191,845	4,226,918	1.30	3,032,860	15.2%		-	3,032,860	811,554	-
Bridgepoint Europe VI 'H' LP	http://www.bridgepoint.eu	2019	398,253,764	22,966,428	-	16,907,847	-	0.74	5,055,268	-26.1%	-26.1%	-	5,055,268	-	-
California Asia Investors, L.P.	http://www.asiaalt.com	2008	150,000,000	147,906,436	303,487,539	624,994,669	116,492,711	4.23	501,812	28.4%		-	501,812	-	3,042,830
California Emerging Ventures III, LLC	http://www.grovestreet.com	2001	477,832,724	585,865,937	780,262,769	824,018,406	19,021,641	1.41	93,267	7.3%		-	93,267	-	-
California Emerging Ventures IV, LLC	http://www.grovestreet.com	2006	461,954,891	486,888,948	682,966,177	858,259,260	30,662,143	1.76	314,316	11.8%		-	314,316	-	2,835,042
California Emerging Ventures, LLC	http://www.grovestreet.com	1999	957,762,777	1,095,637,624	1,264,771,596	1,269,660,635	2,001,455	1.16	46,439	3.5%		-	46,439	-	20,822
California Mezzanine Investment Fund, L.P.	https://www.gcmlp.com	2016	80,000,000	48,324,280	11,990,875	50,075,388	3,957,863	1.04	468,320	2.5%	3.8%	-	468,320	-	-
CalPERS Clean Energy & Technology Fund, LLC	http://www.capdyn.com	2007	465,000,000	468,423,814	132,249,749	191,801,843	5,334,546	0.41	835,323	-13.5%		-	835,323	-	-
CalPERS Corporate Partners, LLC	http://scg-growth-capital.com	2001	500,000,000	524,913,334	831,121,319	831,121,319	270,372	1.58	1,498,227	9.4%		-	1,498,227	-	14,230
Capital Link Fund I, LLC	https://www.gcmlp.com	2007	502,000,000	599,421,300	699,470,177	860,295,254	26,760,507	1.44	1,535,989	7.5%		-	1,535,989	-	550,226
Capital Link Fund II, LLC	https://www.gcmlp.com	2008	435,000,000	467,549,929	634,777,310	771,279,556	101,099,810	1.65	285,404	12.3%		-	285,404	229,537	-876,800
Carlyle Asia Growth Partners IV, L.P.	https://www.carlyle.com	2008	150,000,000	163,863,653	155,959,466	191,342,142	-	1.17	901,030	4.0%		-	901,030	-	-
Carlyle Asia Partners II, L.P.	https://www.carlyle.com	2006	150,000,000	168,387,337	256,858,991	258,331,359	233,134	1.53	-	8.2%		-	-	-	1,031,957
Carlyle Asia Partners III, L.P.	https://www.carlyle.com	2008	300,000,000	370,084,592	513,086,859	545,521,963	37,164,078	1.47	709,008	11.3%		-	709,008	-	9,353,101
Carlyle Asia Partners V, L.P.	https://www.carlyle.com	2018	250,000,000	44,505,443	-	45,503,332	-	1.02	4,637,546	3.6%	24.8%	-	4,637,546	-	-
Carlyle Europe Partners II, L.P.	https://www.carlyle.com	2003	72,172,927	93,146,528	147,132,691	147,981,838	126,465	1.59	7,700	19.7%		-	7,700	-	31,616
Carlyle Europe Partners III, L.P.	https://www.carlyle.com	2007	418,305,769	457,816,433	698,938,092	733,072,387	932,349	1.60	128,646	11.2%		-	128,646	51,963	233,087
Carlyle Europe Partners V, S.C.Sp.	https://www.carlyle.com	2019	341,542,084	27,434,522	-	22,984,848	-	0.84	3,572,355	-16.1%	-11.2%	-	3,572,355	-	-
Carlyle Europe Technology Partners II, L.P.	https://www.carlyle.com	2008	101,824,586	110,324,916	195,337,773	204,704,137	955,773	1.86	418,011	16.2%		-	418,011	-	-
Carlyle Global Financial Services Partners, L.P.	https://www.carlyle.com	2008	150,000,000	191,404,708	313,794,445	321,492,910	2,375,121	1.68	306,711	13.7%		-	306,711	-	596,769

CalPERS Alternative Investment Vehicle (AIV) Fee Expense Disclosure (AB 2833 Report) - Private Equity
as of June 30, 2019

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
Requirements of § 6254.26											**Requirements of § 7514.7**				
AIV name	**Address**	**Vintage year**	**Capital committed ($)**	**Cash contributions ($)**	**Cash distributions ($)**	**Cash distributions + remaining value ($)**	**Cash profit received ($)**	**Investment multiple**	**Management fees and costs ($)**	**Net IRR**	**Gross IRR**	**Fees and expenses paid by CalPERS directly to GP or related parties ($)**	**Fees and expenses paid by the AIV to the GP or related parties ($)**	**Fees and expenses paid by portfolio companies ($)**	**Carried interest distributed ($)**
Carlyle Japan Partners II, L.P.	https://www.carlyle.com	2006	157,462,183	162,697,718	171,231,605	173,270,546	1,340,294	1.06	359,522	1.2%		-	359,522	-	-
Carlyle Partners IV L.P.	https://www.carlyle.com	2005	300,000,000	315,711,824	657,607,542	665,427,626	738,210	2.11	35,748	14.5%		-	35,748	-	164,673
Carlyle Partners V, L.P.	https://www.carlyle.com	2007	800,000,000	1,064,757,461	1,605,192,762	1,713,225,836	-	1.61	30,448	12.9%		-	30,448	787,518	4,411,596
Carlyle Partners VI, L.P.	https://www.carlyle.com	2013	547,000,000	574,380,120	247,582,659	743,497,234	28,520,505	1.29	1,935,415	10.4%		-	1,935,415	785,289	-
Carlyle Partners VII, L.P.	https://www.carlyle.com	2018	600,000,000	226,013,147	-	213,092,136	-	0.94	19,539,132	-14.3%	5.8%	-	19,539,132	-	-
Carlyle Realty Partners III, L.P.	https://www.carlyle.com	2001	50,000,000	66,679,972	133,385,198	157,624,004	10,110,296	2.36	4,062	28.3%		-	4,062	-	2,527,573
Carlyle Strategic Partners II, L.P.	https://www.carlyle.com	2007	75,000,000	148,910,451	190,708,651	193,355,918	228,222	1.30	-	11.5%		-	-	-	57,055
Carlyle Strategic Partners IV, L.P.	https://www.carlyle.com	2016	150,000,000	66,702,313	31,270,327	71,405,846	8,569,930	1.07	4,370,362	8.3%	33.2%	-	4,370,362	1,079	-
Carlyle U.S. Equity Opportunities II, L.P.	https://www.carlyle.com	2015	200,000,000	125,736,779	13,576,888	128,539,665	463,070	1.02	3,655,472	1.2%		-	3,655,472	824,835	-
Carlyle U.S. Growth Fund III, L.P.	https://www.carlyle.com	2006	75,000,000	92,197,113	121,587,162	123,104,039	-	1.34	-	7.3%		-	-	-	-
Carlyle/Riverstone Global Energy and Power Fund III, L.P.	https://www.carlyle.com	2005	250,000,000	267,017,815	343,363,607	360,948,590	-	1.35	476,384	6.4%		-	476,384	-	-
CDH Fund V, L.P.	http://www.cdhfund.com	2014	200,000,000	213,627,187	77,231,876	294,378,416	15,053,501	1.38	2,844,492	12.3%		-	2,844,492	-	-
Centerbridge Capital Partners III, L.P.	http://www.centerbridge.com	2015	150,000,000	97,681,368	30,928,558	131,452,642	5,211,744	1.35	3,151,426	14.7%		-	3,151,426	7,318	1,271,585
Cerberus CAL II Partners, L.P.	http://www.cerberuscapital.com	2017	500,000,000	364,356,436	14,851,485	332,085,898	-	0.91	1,430,739	-9.7%	-9.6%	-	1,430,739	52,121	-
Cerberus CP Partners LP	http://www.cerberuscapital.com	2013	600,000,000	674,624,184	454,427,117	1,150,028,076	-	1.70	538,195	17.3%		-	538,195	1,053,038	-
Cerberus Institutional Partners V, L.P.	http://www.cerberuscapital.com	2012	400,000,000	479,288,769	489,474,345	792,813,379	7,984,837	1.65	703,868	13.8%		-	703,868	265,853	-
Clarus Lifesciences II, L.P.	http://www.clarusventures.com	2008	75,000,000	71,452,500	121,656,139	131,296,670	19,223,832	1.84	207,183	14.8%		-	207,183	-	3,236,185
Clayton, Dubilier & Rice Fund X, L.P.	https://www.cdr-inc.com/	2018	150,000,000	59,764,971	2,933,641	67,241,829	2,933,641	1.13	3,470,205	17.6%	38.6%	-	3,470,205	-	-
Clearlake Capital Partners III, LP	http://www.clearlakecapital.com	2012	50,000,000	69,887,502	152,175,438	183,665,797	64,843,196	2.63	351,614	41.6%		-	351,614	-	16,087,123
Clearlake Capital Partners IV, L.P.	http://www.clearlakecapital.com	2015	56,700,000	66,749,108	37,157,401	106,106,513	726,835	1.59	696,125	31.7%		-	696,125	-	-
Clearlake Capital Partners V, L.P.	http://www.clearlakecapital.com	2018	75,000,000	36,035,171	1,125,984	54,729,135	445,588	1.52	693,509	63.6%	90.5%	-	693,509	-	-
Clearlake Opportunities Partners (P), L.P.	http://www.clearlakecapital.com	2015	56,700,000	46,456,682	17,335,614	55,294,840	1,524,662	1.19	965,102	11.2%		-	965,102	-	-
Coller International Partners V-A, L.P.	http://www.collercapital.com	2006	375,000,000	322,288,690	429,316,106	463,202,333	16,698,024	1.44	-	8.3%		-	-	-	7,711,295
Craton Equity Investors I, L.P.	https://www.tcw.com	2007	38,153,846	39,334,061	5,214,248	5,290,482	-	0.13	46,226	-32.9%		-	46,226	-	-
CVC Capital Partners Strategic Opportunities Compounding Capital L.P.	http://www.cvc.com	2017	1,000,144,883	940,948,485	136,496,369	1,095,725,531	2,145,831	1.16	15,643,591	11.7%	17.1%	-	15,643,591	-	-
CVC Capital Partners VI, L.P.	http://www.cvc.com	2014	572,592,533	589,768,451	195,101,324	839,879,282	33,654,862	1.42	7,599,617	16.8%		-	7,599,617	-	-
CVC Capital Partners VII (A) L.P.	http://www.cvc.com	2018	569,114,829	88,688,117	1,933,804	110,239,342	318,347	1.24	12,498,798	24.3%	48.7%	-	12,498,798	-	-
CVC Credit Strategic Investment A L.P.	http://www.cvc.com	2014	206,094,185	166,936,340	231,441,485	240,767,362	4,196,138	1.44	790,991	19.7%		-	790,991	-	-
CVC European Equity Partners IV (D) L.P.	http://www.cvc.com	2005	328,281,066	406,391,792	726,781,649	727,047,381	135,754	1.79	-	17.2%		-	-	-	33,307
CVC European Equity Partners Tandem Fund (B) L.P.	http://www.cvc.com	2007	469,616,470	570,492,765	734,978,678	735,378,465	3,819,581	1.29	62,865	6.8%		-	62,865	3,162	730,003
CVC European Equity Partners V (B) L.P.	http://www.cvc.com	2008	566,184,427	710,181,414	1,148,941,158	1,265,419,068	143,165,654	1.78	28,175	16.2%		-	28,175	327,627	36,377,726
EMAlternatives Investments, L.P.	http://www.emalternatives.com	2007	100,000,000	114,304,495	98,506,262	146,048,453	1,903,481	1.28	458,607	5.1%		-	458,607	-	-
Essex Woodlands Health Ventures Fund VIII, L.P.	https://www.ewhv.com	2008	125,000,000	127,269,507	66,055,143	123,779,843	-	0.97	972,121	-0.5%		-	972,121	-	-
First Reserve Fund XII, L.P.	https://www.firstreserve.com	2008	300,000,000	347,286,374	179,012,428	230,435,956	143,872	0.66	373,295	-9.9%		-	373,295	10,655	-
First Reserve Fund XIII, LP	https://www.firstreserve.com	2014	400,000,000	343,257,077	134,047,676	401,846,056	35,188,172	1.17	10,994,522	11.0%		-	10,994,522	13,011	-
Francisco Partners III, L.P.	https://www.franciscopartners.com	2011	100,000,000	92,569,802	150,665,897	225,747,221	10,614,467	2.44	491,314	20.8%		-	491,314	-	6,255,712
GCM Grosvenor DEM II, L.P.	https://www.gcmlp.com	2014	250,000,000	153,191,761	35,641,805	174,218,438	3,432,430	1.14	965,056	9.7%		-	965,056	-	-
GCM Grosvenor DEM, L.P.	https://www.gcmlp.com	2012	100,000,000	90,646,718	36,606,686	113,568,464	1,790,407	1.25	484,757	10.8%		-	484,757	-	-
Golden State Investment Fund, LLC	http://www.hamiltonlane.com	2006	533,058,824	519,824,825	681,945,789	809,151,690	29,937,311	1.56	515,485	8.5%		-	515,485	-	5,739,205
Green Equity Investors IV, L.P.	http://www.leonardgreen.com	2003	168,628,515	170,691,565	318,891,965	320,219,955	3,515,193	1.88	-	11.2%		-	-	-	1,147,925
Green Equity Investors V, L.P.	http://www.leonardgreen.com	2007	400,000,000	446,335,956	784,062,205	987,358,086	89,597,225	2.21	189,538	18.7%		-	189,538	-	19,430,721
GSO Capital Opportunities Fund II L.P.	http://www.blackstone.com	2011	250,000,000	305,050,210	293,290,551	386,377,451	27,196,764	1.27	5,829,964	12.6%		-	5,829,964	-	1,877,137
GSO Capital Opportunities Fund L.P.	http://www.blackstone.com	2008	100,000,000	166,000,936	228,800,483	230,282,983	-	1.39	4,673	17.2%		-	4673	-	-
GSO Capital Solutions Fund II, L.P.	http://www.blackstone.com	2014	500,000,000	454,172,241	386,021,073	489,445,569	18,591,131	1.08	5,819,250	5.3%		-	5,819,250	-	-
GSO Energy Partners-C II LP	http://www.blackstone.com	2016	250,000,000	202,394,623	57,955,932	240,510,593	12,213,689	1.19	2,399,618	10.8%	13.9%	-	2,399,618	-	-
GSO Energy Partners-C LP	http://www.blackstone.com	2013	400,000,000	440,753,358	151,512,781	403,367,828	9,504,115	0.92	3,015,623	-3.5%		-	3,015,623	-	-
Hellman & Friedman Capital Partners V LP	https://www.hf.com	2004	200,000,000	183,940,613	488,496,826	488,496,826	-	2.66	-	27.9%		-	-	-	700,134
Hellman & Friedman Capital Partners VI	https://www.hf.com	2007	600,000,000	612,793,602	1,086,316,063	1,115,728,920	7,303,114	1.82	-	12.9%		-	-	-	-31,241
Hellman & Friedman Capital Partners VII	https://www.hf.com	2011	300,000,000	285,961,937	365,252,695	800,671,990	69,265,769	2.80	638,111	25.4%		-	638,111	51,487	17,153,095
Hellman & Friedman Capital Partners VIII, L.P.	https://www.hf.com	2016	500,000,000	490,528,037	46,974,988	583,195,406	5,790,087	1.19	5,192,925	15.9%	22.9%	-	5,192,925	69,169	-
ICV Partners II, L.P.	http://www.icvpartners.com	2005	31,220,000	40,135,407	61,947,907	62,595,814	800,124	1.56	-	12.0%		-	-	-	-676,707
Insight Venture Partners Growth-Buyout Coinvestment Fund (B) L.P.	http://insightcapitalpartners.com	2015	400,000,000	358,000,000	110,915,558	834,739,950	30,480,078	2.33	3,063,693	36.2%		-	3,063,693	-	5,395,978
Insight Venture Partners IX, L.P.	http://insightcapitalpartners.com	2015	100,000,000	98,599,061	16,988,109	200,242,404	7,025,682	2.03	1,653,131	29.7%		-	1,653,131	-	1,241,250
Insight Venture Partners V Coinvestment Fund, L.P.	http://insightcapitalpartners.com	2005	14,000,000	14,000,000	47,668,884	47,668,884	566,287	3.40	-	26.3%		-	-	-	140,123
Insight Venture Partners X, L.P.	http://insightcapitalpartners.com	2018	250,000,000	177,500,000	85,613	195,191,383	85,613	1.10	6,275,000	17.4%	29.2%	-	6,275,000	-	-
Ithaca L.P.	http://www.permira.com	2015	75,000,000	75,000,000	-	140,577,273	-	1.87	187	16.9%		-	187	-	-
Khosla Ventures III, L.P.	http://www.khoslaventures.com	2009	200,000,000	197,000,000	266,485,968	331,979,987	46,739,359	1.69	1,858,504	9.0%		-	1,858,504	-	-
Khosla Ventures Seed, L.P.	http://www.khoslaventures.com	2009	60,000,000	60,000,000	12,484,329	44,217,474	-	0.74	900,000	-4.6%		-	900,000	-	-
KKR 2006 Fund L.P.	http://www.kkr.com	2006	400,000,000	594,503,516	783,522,356	908,669,636	22,071,278	1.53	382,331	8.1%		-	382,331	-	3,327,085
KKR Asian Fund II L.P.	http://www.kkr.com	2013	500,000,000	577,590,908	254,655,560	824,400,513	54,186,131	1.43	4,635,247	13.8%		-	4,635,247	-	10,782,844
KKR Asian Fund L.P.	http://www.kkr.com	2007	272,575,591	353,483,241	586,327,452	598,118,842	3,760,209	1.69	242,419	13.6%		-	242,419	-	865,401

CalPERS Alternative Investment Vehicle (AIV) Fee Expense Disclosure (AB 2833 Report) - Private Equity
as of June 30, 2019

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
Requirements of § 6254.26											**Requirements of § 7514.7**				
AIV name	**Address**	**Vintage year**	**Capital committed ($)**	**Cash contributions ($)**	**Cash distributions ($)**	**Cash distributions + remaining value ($)**	**Cash profit received ($)**	**Investment multiple**	**Management fees and costs ($)**	**Net IRR**	**Gross IRR**	**Fees and expenses paid by CalPERS directly to GP or related parties ($)**	**Fees and expenses paid by the AIV to the GP or related parties ($)**	**Fees and expenses paid by portfolio companies ($)**	**Carried interest distributed ($)**
KKR European Fund II, L.P.	http://www.kkr.com	2005	201,736,390	236,198,253	293,806,510	295,217,129	263,005	1.25	196,301	3.9%		-	196,301	-	65,752
KKR European Fund III, L.P.	http://www.kkr.com	2008	313,377,988	420,268,643	576,216,081	607,018,493	55,148,510	1.44	370,363	10.0%		-	370,363	-	13,703,811
KKR Millennium Fund L.P.	http://www.kkr.com	2002	150,000,000	208,148,389	372,970,042	373,104,205	1,004,262	1.79	27,311	16.4%		-	27,311	-	-224,296
KM Corporate Partners Fund II, LP	http://scg-growth-capital.com	2007	200,000,000	193,817,584	187,644,760	284,158,163	6,953,366	1.47	1,051,812	7.6%		-	1,051,812	14,500	-
KPS Special Situations Fund III, LP	http://www.kpsfund.com	2007	175,000,000	244,689,839	396,344,675	426,755,958	22,415,509	1.74	118,863	23.6%		-	118,863	-	7,394,705
Lime Rock Partners IV, LP	https://www.lrpartners.com	2006	43,000,000	47,917,078	139,501,029	139,618,318	-	2.91	-	14.6%		-	-	-	-
Lime Rock Partners V, L.P.	https://www.lrpartners.com	2008	85,000,000	94,814,537	70,603,742	88,513,206	7,578,155	0.93	297,032	-1.4%		-	297,032	6,484	-
Lindsay Goldberg IV, L.P.	http://www.lindsaygoldbergllc.com	2015	250,000,000	148,761,691	67,902,465	221,358,519	18,595,980	1.49	5,207,249	32.1%		-	5,207,249	-	2,160,953
Lion Capital Fund II, L.P.	http://www.lioncapital.com	2007	218,574,203	260,710,340	174,152,045	181,462,034	1,498,084	0.70	586,263	-8.0%		-	586,263	-	-
Madison Dearborn Capital Partners V, L.P.	http://www.mdcp.com	2006	300,000,000	351,554,197	519,832,764	526,137,276	606,426	1.50	41,108	7.2%		-	41,108	593,821	30,100,289
MHR Institutional Partners III LP	http://www.magnumhunterresources.com	2006	350,000,000	371,300,000	375,885,131	500,014,936	1,748,144	1.35	1,357,017	5.8%		-	1,357,017	-	-
New Mountain Partners III, L.P.	http://www.newmountaincapital.com	2007	400,000,000	452,366,039	589,436,870	895,704,295	18,515,189	1.98	79,264	13.8%		-	79,264	11,708,009	4,602,054
Newbridge Asia IV, L.P.	https://tpg.com	2005	180,000,000	195,554,362	409,519,551	412,592,866	241,577	2.11	130,799	16.8%		-	130,799	-	132,169
Oak Hill Capital Partners II, L.P.	http://www.oakhillcapital.com	2004	75,000,000	86,785,564	135,057,054	137,054,058	321,983	1.58	104,054	9.7%		-	104,054	-	-58,363
Oak Hill Capital Partners III, L.P.	http://www.oakhillcapital.com	2007	300,000,000	376,782,966	486,711,646	581,172,448	26,841,532	1.54	1,931,955	9.7%		-	1,931,955	-	69,069
Oaktree Opportunities Fund VIIIb, L.P.	http://www.oaktreecapital.com	2011	200,000,000	200,000,000	193,972,967	269,564,413	-	1.35	1,512,998	6.1%		-	1,512,998	-	-
Onex Partners IV, L.P.	http://www.onex.com/	2014	300,000,000	293,254,667	35,802,643	313,436,869	3,127,795	1.07	3,577,100	2.6%		-	3,577,100	273,457	-
Onex Partners V-B LP	http://www.onex.com/	2018	500,000,000	43,703,788	-	37,093,863	-	0.85	6,241,122	-34.8%	-7.5%	-	6,241,122	-	-
PAG Asia I LP	http://www.pagasia.com	2012	100,000,000	113,804,000	103,691,021	201,876,173	7,658,071	1.77	595,154	19.9%		-	595,154	-	203,450
PAG Asia III LP	http://www.pagasia.com	2019	380,000,000	-	-	-	-	-	4,163,082	0.0%	0.0%	-	4,163,082	-	-
Palladium Equity Partners III, L.P.	http://www.palladiumequity.com	2004	193,750,000	253,239,932	428,970,554	442,826,994	4,308,275	1.75	502,879	15.6%		-	502,879	168,750	2,937,103
Palladium Equity Partners V, L.P.	http://www.palladiumequity.com	2018	75,000,000	27,048,189	3,204,035	23,860,444	71,517	0.88	3,142,876	-18.2%	-6.1%	-	3,142,876	-	-
Patria Brazilian Private Equity Fund V, L.P.	http://www.patria.com	2015	150,000,000	54,052,215	-	66,631,936	-	1.23	3,342,196	14.9%		-	3,342,196	50,790	-
Permira Growth Opportunities I L.P. 1	http://www.permira.com	2019	200,000,000	20,000,000	-	21,228,305	-	1.06	6,522,710	5.9%	25.7%	-	6,522,710	-	-
Permira IV L.P.2	http://www.permira.com	2006	283,753,993	353,282,853	482,941,953	519,745,085	-	1.47	-	7.8%		-	-	23,407	750,303
Permira V, L.P.	http://www.permira.com	2014	268,610,486	258,007,398	126,411,167	480,449,407	35,027,433	1.86	2,573,340	18.3%		-	2,573,340	60,319	-
Permira VI L.P. 1	http://www.permira.com	2017	503,038,600	337,850,254	-	399,278,829	-	1.18	8,790,867	15.1%	26.7%	-	8,790,867	18,385	-
Polish Enterprise Fund V, L.P.	http://www.ei.com.pl/en	2004	58,953,117	69,977,405	137,137,153	137,137,153	-	1.96	-	15.3%		-	-	-	-
Polish Enterprise Fund VI, L.P.	http://www.ei.com.pl/en	2006	139,133,744	145,666,797	194,606,919	205,006,278	-	1.41	28,815	5.4%		-	28,815	-	3,860,544
RFG Private Equity Limited Partnership No. 1A, 1B and 1C	http://richardson-financial.com	2004	33,957,039	33,964,880	48,603,437	48,943,486	2,145,313	1.44	16,954	7.8%		-	16,954	-	-
Rhone Partners III, L.P.	http://www.rhonepartners.com	2006	135,229,977	145,326,327	207,094,429	207,094,429	29,909	1.43	-	9.8%		-	-	-	7,477
Richardson Capital Private Equity Limited Partnership No. 2A, 2B and 2C	http://richardson-financial.com	2006	45,838,180	25,062,427	13,326,888	13,326,888	-	0.53	-	-11.4%		-	-	-	-
Riverstone Global Energy and Power Fund V, L.P.	http://www.riverstonellc.com	2012	400,000,000	477,021,965	223,085,557	455,422,850	10,139,981	0.95	4,358,629	-1.6%		-	4,358,629	274,133	-
Riverstone Global Energy and Power Fund VI, L.P.	http://www.riverstonellc.com	2016	500,000,000	451,489,934	152,439,003	436,631,560	19,251,513	0.97	10,242,388	-2.4%	5.5%	-	10,242,388	135,270	-
Riverstone/Carlyle Global Energy and Power Fund IV, L.P.	http://www.riverstonellc.com	2008	500,000,000	596,224,677	529,358,204	679,721,109	7,874,955	1.14	2,010,230	3.6%		-	2,010,230	480,996	-
Riverstone/Carlyle Renewable & Alternative Energy Fund (U.S.)	http://www.riverstonellc.com	2008	300,000,000	329,055,228	262,779,451	392,134,569	6,688,733	1.19	1,316,783	4.0%		-	1,316,783	210,650	-
Riverwood Capital Partners (Parallel - A) L.P.	http://www.riverwoodcapital.com	2010	150,000,000	173,079,547	285,612,210	341,211,615	-	1.97	295,689	23.6%		-	295,689	-	-
Sacramento Private Equity Partners, L.P.	http://www.jasperridge.com	2006	605,000,000	521,618,435	784,609,484	928,672,484	92,821,060	1.78	500,000	11.1%		-	500,000	-	6,112,843
SAIF Partners III L.P.	http://www.sbaif.com	2007	100,000,000	126,245,773	111,051,919	282,111,445	-	2.23	933,137	10.4%		-	933,137	-	-
SAIF Partners IV L.P.	http://www.sbaif.com	2010	120,000,000	147,356,026	57,707,424	223,486,585	-	1.52	1,271,986	8.0%		-	1,271,986	-	-
Sankaty Managed Account (CalPERS), L.P.	http://www.baincapitalcredit.com	2014	500,000,001	488,005,001	306,440,000	579,250,731	-	1.19	2,226,999	8.0%		-	2,226,999	-	-
Silver Lake Partners II, L.P.	http://www.silverlake.com	2004	125,000,000	135,417,964	237,101,193	238,086,212	7,254,707	1.76	17,475	11.1%		-	17,475	-	1,689,301
Silver Lake Partners III, L.P.	http://www.silverlake.com	2007	480,000,000	607,195,038	1,079,075,802	1,178,248,945	92,360,731	1.94	802,833	18.8%		-	802,833	-	21,891,803
Silver Lake Partners IV, L.P.	http://www.silverlake.com	2013	320,000,000	353,858,489	200,626,223	649,937,482	51,932,889	1.84	1,923,890	27.2%		-	1,923,890	148,266	12,717,878
Silver Lake Partners V, L.P.	http://www.silverlake.com	2018	400,000,000	160,150,098	-	173,430,020	-	1.08	4,702,425	11.9%	20.8%	-	4,702,425	408,319	-
Siris Partners III, L.P.	https://siris.com	2015	75,000,000	72,491,689	41,203,082	87,179,769	14,900,159	1.20	984,365	11.5%		-	984,365	41,331	1,651,291
Siris Partners IV, L.P.	https://siris.com	2019	100,000,000	15,258,091	-	15,185,411	-	1.00	1,441,630	-0.5%	7.8%	-	1,441,630	-	-
SL SPV-1, L.P.	http://www.silverlake.com	2017	38,675,166	81,467,600	575,795	107,699,184	575,795	1.32	532,844	16.3%	20.7%	-	532,844	-	-
Tailwind Capital Partners (PP), LP	http://www.tailwind.com	2007	77,510,000	94,755,040	142,684,585	147,100,934	13,257,244	1.55	493,110	11.8%		-	493,110	21,629	1,164,157
Tailwind Capital Partners II, LP	http://www.tailwind.com	2014	150,000,000	141,518,635	52,453,612	175,827,192	17,460,079	1.24	1,563,280	9.0%		-	1,563,280	318,813	-
Tailwind Capital Partners III, L.P.	http://www.tailwind.com	2018	200,000,000	33,251,711	-	39,692,878	-	1.19	5,617,066	31.6%	59.6%	-	5,617,066	-	-
TCV X, L.P.	http://www.tcv.com	2019	175,000,000	8,750,000	-	6,953,295	-	0.79	1,480,423	-47.3%	-29.7%	-	1,480,423	-	-
The Central Valley Fund II SBIC, LP	http://www.centralvalleyfund.com	2012	12,000,000	7,736,315	3,999,188	14,677,424	226,856	1.90	210,944	14.5%		-	210,944	18,938	-
The Resolute Fund II, L.P.	https://www.thejordancompany.com	2008	200,000,000	219,388,533	234,029,182	320,851,654	1,660,021	1.46	404,265	8.7%		-	404,265	-	-
The Rise Fund (A), L.P.	https://tpg.com	2018	75,000,000	39,274,809	665,431	44,439,816	361,378	1.13	2,306,163	15.6%	36.0%	-	2,306,163	-	-
Thomas H. Lee Equity Fund VI, L.P	http://www.thl.com	2006	240,000,000	402,820,457	518,708,653	552,212,513	27,000,025	1.37	378,870	7.0%		-	378,870	-	4,381,054
TowerBrook Investors II, L.P.	http://www.towerbrook.com	2005	200,000,000	195,738,362	305,287,323	315,171,975	2,598,972	1.61	413,907	9.7%		-	413,907	-	3,984,704
TowerBrook Investors III, L.P.	http://www.towerbrook.com	2008	300,000,000	324,896,591	392,373,297	424,672,310	163,473	1.31	611,456	8.9%		-	611,456	83,871	-
TowerBrook Investors IV (Onshore), L.P.	http://www.towerbrook.com	2013	380,000,000	277,545,028	88,104,245	422,442,022	8,041,580	1.52	9,016,584	27.3%		-	9,016,584	280,698	365,420
Towerbrook Structured Opportunities Fund (Onshore), L.P.	http://www.towerbrook.com	2016	221,786,667	187,436,048	45,365,997	209,714,999	4,314,870	1.12	6,186,209	10.7%	19.8%	-	6,186,209	261,774	-
TPG Asia V, L.P.	https://tpg.com	2007	360,000,000	350,599,460	424,099,251	495,801,201	45,966,296	1.41	-	6.5%		-	-	18,881	14,180,915

CalPERS Alternative Investment Vehicle (AIV) Fee Expense Disclosure (AB 2833 Report) - Private Equity
as of June 30, 2019

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
Requirements of § 6254.26											**Requirements of § 7514.7**				
AIV name	**Address**	**Vintage year**	**Capital committed ($)**	**Cash contributions ($)**	**Cash distributions ($)**	**Cash distributions + remaining value ($)**	**Cash profit received ($)**	**Investment multiple**	**Management fees and costs ($)**	**Net IRR**	**Gross IRR**	**Fees and expenses paid by CalPERS directly to GP or related parties ($)**	**Fees and expenses paid by the AIV to the GP or related parties ($)**	**Fees and expenses paid by portfolio companies ($)**	**Carried interest distributed ($)**
TPG Asia VII (A), L.P.	https://tpg.com	2018	300,000,000	88,385,740	1,846,845	87,665,661	422,288	0.99	7,641,356	-1.0%	11.1%	-	7,641,356	109,967	-
TPG Biotechnology Partners II, L.P.	https://tpg.com	2006	70,000,000	71,888,857	74,135,092	85,443,513	11,597,730	1.19	-	2.7%		-	-	-	-
TPG Biotechnology Partners III, L.P.	https://tpg.com	2008	100,000,000	100,076,482	75,733,831	144,682,176	2,655,819	1.45	119,216	7.2%		-	119,216	6,122	-
TPG Growth IV, L.P.	https://tpg.com	2018	75,000,000	31,248,849	-	31,344,777	-	1.00	2,777,945	0.5%	17.6%	-	2,777,945	5,945	-
TPG Partners IV, L.P.	https://tpg.com	2003	200,000,000	225,811,312	426,580,565	432,382,031	556,979	1.91	-	15.3%		-	-	-	643,995
TPG Partners VI, L.P.	https://tpg.com	2008	825,000,000	944,765,522	1,206,842,751	1,413,100,334	40,070,474	1.50	-488,166	10.2%		-	-488,166	159,461	15,808,084
Trident VI	http://www.stonepoint.com	2014	250,000,000	236,194,945	127,148,527	394,088,211	44,285,910	1.67	2,797,625	20.4%		-	2,797,625	-	-
Trident VII, L.P.	http://www.stonepoint.com	2017	270,000,000	186,660,937	2,214,387	209,618,375	2,153,169	1.12	4,451,872	13.3%	21.9%	-	4,451,872	-	-
Triton Fund IV L.P.	http://www.triton-partners.com	2013	91,467,885	96,301,216	57,027,634	119,311,263	8,237,450	1.24	1,050,568	9.7%		-	1,050,568	-	-
T-VI Co-Invest-A LP	http://www.stonepoint.com	2015	63,000,000	43,043,211	40,918,146	109,445,399	17,795,039	2.54	-	29.4%		-	-	-	-
Valor Equity Partners IV L.P.	http://www.valorep.com/	2017	75,000,000	53,705,787	128,163	72,383,389	22,849	1.35	1,689,997	35.1%	49.9%	-	1,689,997	-	-
VantagePoint Venture Partners 2006 (Q), L.P.	http://www.vpcp.com	2006	100,000,000	100,000,000	9,831,997	37,442,427	-	0.37	517,439	-12.5%		-	517,439	-	-
Vicente Capital Partners Growth Equity Fund, L.P.	http://www.vicentecapital.com	2007	40,422,297	40,801,085	31,822,056	59,071,032	4,074,240	1.45	728,378	6.7%		-	728,378	127,700	724,200
Vista Equity Partners Fund VII-Z, L.P.	https://www.vistaequitypartners.com	2019	400,000,000	55,915,910	59,623	53,397,709	59,623	0.95	2,524,770	-6.9%	0.0%	-	2,524,770	-	-
W Capital Partners II, L.P.	http://www.wcapgroup.com	2007	141,125,000	140,615,876	188,842,195	196,357,838	-	1.40	148,930	10.4%		-	148,930	-	-
WCAS XIII, L.P.	http://www.wcas.com	2019	400,000,000	28,644,120	-	25,782,641	-	0.90	3,656,674	-11.2%	-2.6%	-	3,656,674	-	-
Wellspring Capital Partners V, L.P.	http://www.wellspringcapital.com	2011	150,000,000	166,179,081	192,937,953	259,667,814	7,789,874	1.56	652,787	16.6%		-	652,787	309,406	-1,471,343
Welsh, Carson, Anderson & Stowe X, L.P.	http://www.welshcarson.com	2005	175,000,000	171,527,259	293,986,157	293,986,157	-	1.71	-	8.2%		-	-	-	79,780
Welsh, Carson, Anderson & Stowe XI, L.P.	http://www.welshcarson.com	2009	125,000,000	125,000,000	161,878,687	205,352,013	16,346,007	1.64	289,968	12.3%		-	289,968	-	3,810,097
Welsh, Carson, Anderson & Stowe XII, L.P.	http://www.welshcarson.com	2015	350,000,000	293,756,351	130,299,178	461,606,510	77,779,538	1.57	5,122,159	25.9%		-	5,122,159	1,302,638	15,365,931
Wigmore Street (BDC III) LP	http://www.bridgepoint.eu	2017	32,412,068	14,320,610	1,744,160	19,585,113	234,106	1.37	1,607	29.7%	31.1%	-	1,607	-	-
Wigmore Street Co-investment No. 1 LP	http://www.bridgepoint.eu	2016	99,830,713	92,128,866	33,047,043	156,546,500	2,483,578	1.70	59,389	33.9%	34.5%	-	59,389	-	-
WLR Recovery Fund III, L.P.	https://www.invesco.com	2005	198,000,000	198,000,000	129,463,682	139,548,136	-	0.70	-	-7.0%		-	-	-	-
WLR Recovery Fund IV, L.P.	https://www.invesco.com	2007	400,000,000	363,747,718	469,283,142	490,864,747	2,823,230	1.35	948	7.5%		-	948	-	-
Yucaipa American Alliance Fund II, L.P.	http://yucaipaco.com	2008	400,000,000	557,456,161	516,285,484	910,434,581	106,350,420	1.63	1,145,619	9.3%		-	1,145,619	-	17,192,837
Yucaipa Corporate Initiatives Fund II, L.P.	http://yucaipaco.com	2008	93,539,524	91,320,511	33,006,898	81,499,007	1,300,960	0.89	207,221	-1.7%		-	207,221	-	-
Total			57,270,806,106	54,844,448,751	57,920,071,310	82,584,865,546	3,062,009,467		381,948,419			392,990,663	26,108,137	536,773,254	

CalPERS Alternative Investment Vehicle (AIV) Fee Expense Disclosure (AB 2833 Report) - Real Assets
as of June 30, 2019

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
Requirements of § 6254.26											**Requirements of § 7514.7**				
AIV name	**Address**	**Vintage year**	**Capital committed ($)**	**Cash contributions ($)**	**Cash distributions ($)**	**Cash distributions + remaining value ($)**	**Cash profit received ($)**	**Investment multiple**	**Management fees and costs ($)**	**Net IRR**	**Gross IRR**	**Fees and expenses paid by CalPERS directly to GP or related parties ($)**	**Fees and expenses paid by the AIV to the GP or related parties ($)**	**Fees and expenses paid by portfolio companies ($)**	**Carried interest distributed ($)**
AGI Resmark Housing Fund, LLC	www.resmark.com	2014	499,695,414	134,916,616	4,444,667	(8,870,401)	-	1.4	138,844	22.6%	28.6%	-	138,844	44,625	-
Alinda Infrastructure Fund I, L.P.	www.alinda.com	2007	100,000,000	136,260,181	195,630,051	195,854,326	3,208,070	1.4	6,220	6.1%	7.2%	-	6,220	-	-
Alinda Infrastructure Fund II, L.P.	www.alinda.com	2009	300,000,000	393,154,614	328,723,652	463,740,763	49,140,133	1.2	1,277,597	4.1%	6.2%	-	1,277,597	-	783,150
ARA Asia Dragon Fund II	w ww.ara-asia.com	2012	50,000,000	41,504,969	57,549,323	58,276,634	51,482,634	1.4	4,137,373	7.2%	9.3%	-	4,137,373	948,421	-
ARA China Long Term Hold	w ww.ara-asia.com	2013	1,858,710,126	769,424,151	-	1,047,629,173	3,345,013	1.4	6,261,135	7.8%	8.6%	-	6,261,135	3,136,380	-
Archmore International Infrastructure Fund II (B), L.P.	www.ubs.com/us/en.html	2014	51,500,000	48,686,370	1,179,601	48,711,114	-	1.1	608,104	0.0%	0.1%	-	608,104	-	-
Archmore International Infrastructure Fund II (C), L.P.	www.ubs.com/us/en.html	2014	109,437,500	103,458,536	2,506,651	103,511,118	-	1.1	-	0.0%	0.1%	-	1,292,221	-	-
Bear Republic Infrastructure, LLC	www.global-infra.com/index.php	2016	770,000,000	843,484	-	(2,161)	-	-	-	N/M	N/M	-	-	-	-
BlackRock Europe Parallel Property Fund II L.P.	www.blackrock.com	2005	92,118,793	99,752,549	51,880,495	51,880,495	1,077,842	0.5	-	-11.0%	-9.4%	-	-	-	-
Blackstone Property Partners Europe, L.P.	www.blackstone.com	2017	750,000,000	750,000,000	3,813,874	788,845,037	-	1.1	3,928,855	7.0%	7.0%	-	3,928,855	-	-
CalEast Canada Limited Partnership	www.gipartners.com	2010	78,360,498	15,186,251	158,069,378	161,353,758	-	1.4	85,011	8.5%	8.8%	-	85,011	-	-
CalEast Industrial Investors, LLC	www.gipartners.com	2010	565,772,020	148,793,834	558,348,342	559,858,776	15,068,457	1.1	87,115	1.5%	1.7%	-	87,115	-	-
CalEast Solstice - Base	www.gipartners.com	2016	1,115,857,256	481,922,191	449,871,460	4,270,539,796	-	1.3	25,670,619	13.6%	14.0%	-	25,670,619	-	-
CalEast Solstice - DT Land	www.gipartners.com	2016	61,719,648	10,972,340	59,690,580	282,164,445	32,673,937	0.6	1,617,598	-14.7%	-14.1%	-	1,617,598	-	-
CalEast Solstice - DT Other	www.gipartners.com	2016	1,087,902,375	293,757,928	19,937,960	702,487,207	-	1.3	4,586,316	6.1%	6.4%	-	4,586,316	-	-
CalEast Solstice, LLC	www.gipartners.com	2010	2,358,196,278	1,101,108,218	344,598,649	341,812,102	-	1.5	-	10.2%	11.1%	-	-	-	-
CalSmart LLC (Canyon)	www.canyonpartners.com	2011	80,755,419	85,575,131	489,563,433	489,563,433	216,236	1.3	-	73.5%	78.3%	-	-	-	-
CalWest - CalPERS	www.bentallkennedy.com	2013	120,109,650	53,170,850	449,648,172	449,648,172	32,821	1.0	99,663	-0.2%	0.4%	-	99,663	15,298	-
CalWest CalPERS GIP	www.gipartners.com	2019	3,080,000	-	-	10,995,097	-	1.1	20,639	N/A	N/A	-	20,639	-	-
Canyon Catalyst Fund II, LLC	www.canyonpartners.com	2017	496,753,795	213,709,173	117,962,259	486,321,899	-	1.1	2,091,841	12.1%	14.7%	-	2,091,841	3,116,861	-
Canyon Catalyst Fund, LLC	www.canyonpartners.com	2012	362,591,338	522,929,278	429,042,742	429,266,743	-	1.3	(4,846)	19.6%	23.6%	-	(4,846)	-	-
Canyon Johnson Urban Fund, III	www.canyonpartners.com	2010	225,000,000	239,125,804	331,484,968	331,749,702	-	1.4	61,529	11.8%	12.4%	-	61,529	-	-
Carlyle Infrastructure Partners, L.P.	www.carlyle.com/corporate-overview	2007	100,000,000	116,519,462	127,984,231	132,375,371	1,071,399	1.1	38,757	2.8%	4.9%	-	38,757	-	-
CIM Fund III, LP	www.cimgroup.com	2006	660,000,000	739,766,141	917,339,583	1,253,505,939	8,886,358	1.7	8,426,237	9.9%	11.4%	-	8,426,237	1,852,824	-
CIM Infrastructure Fund, L.P.	www.cimgroup.com	2007	200,000,000	247,406,253	162,139,771	587,970,256	4,900,000	2.6	2,212,144	15.4%	19.4%	-	2,212,144	207,531	-
CIM Urban Real Estate Fund, LP	www.cimgroup.com	2000	529,000,000	558,501,749	665,630,172	981,282,979	-	1.6	4,332,750	9.9%	9.9%	-	4,332,750	958,956	-
CIM Urban REIT LLC	www.cimgroup.com	2005	442,690,000	443,390,708	493,451,145	742,162,842	5,050,000	1.7	110,375	6.2%	6.2%	-	110,375	1,414,467	-
Concession Investment Holdings, LLC	www.indianatollroad.org	2016	508,529,881	443,500,000	28,248,425	595,088,425	-	1.3	-	12.5%	12.5%	-	-	-	-
FSP - Base	www.commonwealth-partners.com	2012	9,932,751,221	3,117,481,865	907,032,868	6,895,364,283	-	1.2	26,273,164	8.9%	10.1%	-	26,273,164	18,715,366	-
FSP - DT 2012 and Beyond	www.commonwealth-partners.com	2013	1,582,866,000	1,059,587,264	438,457,283	432,161,660	-	1.3	1,758,350	13.3%	15.0%	-	1,758,350	2,341,430	22,443,416
Global Infrastructure Partners II, L.P. (GIP II)	www.global-infra.com/index.php	2012	250,000,000	288,429,944	183,197,986	488,976,898	19,591,628	1.7	3,009,019	21.9%	26.6%	-	3,009,019	-	5,573,846
Golden Reef Infrastructure Trust	www.qic.com.au	2015	1,422,905,552	431,257,503	50,170,013	507,271,009	16,536,142	1.2	3,548,714	8.2%	8.9%	-	3,548,714	-	-
GRI - Base	www.firstwash.com	2012	2,484,704,173	1,040,690,376	686,107,251	3,057,153,051	-	1.1	24,892,332	6.5%	7.6%	-	24,892,332	4,439,406	22,974,038
GRI - DT 2012 and Beyond	www.firstwash.com	2018	585,410,000	23,851,372	5,704,242	25,504,229	-	1.0	165,380	-4.0%	-3.4%	-	165,380	-	-
Harbert Gulf Pacific Power, LLC (HGPP)	www.harbert.net	2013	1,510,262,000	1,201,262,265	329,493,056	1,531,044,069	-	1.3	4,393,335	8.7%	9.6%	-	4,393,335	-	-
Harbert Power Fund V, L.P. (HPF V)	www.harbert.net	2014	100,000,000	119,665,695	64,145,523	150,903,006	6,486,305	1.4	1,068,224	11.6%	13.9%	-	1,068,224	-	-
HC Green Development Fund LP	www.hines.com	2006	401,600,000	409,812,585	238,152,823	442,785,847	-	1.1	1,584,229	2.3%	2.4%	-	1,584,229	2,085,733	-
HC NOP Holdings L.P.	www.hines.com	2011	2,500,000	-	15,657,020	16,310,659	1,568,000	-	123,277	N/M	N/M	-	123,277	-	-
HCB Interests II LP	www.hines.com	2007	1,008,274,980	932,339,457	353,840,143	428,814,025	9,553,710	1.2	5,332,993	13.3%	14.1%	-	5,332,993	1,031,651	-
HCB LTH	www.hines.com	2012	745,846,020	160,848,281	219,664,680	636,099,002	20,144,003	0.7	8,909,390	-7.0%	-5.9%	-	8,909,390	1,352,405	-
HCC Interests LP	www.hines.com	2010	9,486,350	8,486,350	36,925,039	42,345,164	-	5.0	190,167	N/A	N/A	-	190,167	35,597	-
HCM Holdings II LP	www.hines.com	2007	138,404,104	138,404,103	63,221,129	63,333,978	360,000	0.5	30,125	-16.8%	-16.8%	-	30,125	-	-
HCR LTH LLC	www.hines.com	2013	924,728,288	605,966,677	294,614,578	644,150,066	24,782,674	1.1	4,427,112	2.5%	3.8%	-	4,427,112	672,235	-
Hearthstone Housing Partners II, LLC	www3.hearthstone.com/Public/Default.aspx	2004	500,000,000	634,231,983	397,909,368	398,563,778	-	0.6	82,859	-12.1%	-12.1%	-	82,859	-	-
Hearthstone Path-of-Growth Fund, LLC	www3.hearthstone.com/Public/Default.aspx	2006	450,000,000	447,198,667	85,090,745	85,090,745	47,548	0.2	38,454	-24.0%	-23.8%	-	38,454	-	-
Hearthstone-MSII Homebuilding Investors, LLC	www3.hearthstone.com/Public/Default.aspx	1999	10,000,000	75,931,436	105,316,954	105,314,631	-	1.4	8,494	31.3%	31.3%	-	8,494	-	-
Hines European Development Fund LP	www.hines.com	2005	105,360,000	5,684,063	33,055,165	40,121,052	-	7.1	-	N/A	N/A	-	-	-	-
IHP Investment Fund I, L.P.	www.ihpinc.com	1992	140,000,000	2,247,460,298	2,604,932,618	2,604,932,618	40,279,618	1.2	460,505	18.9%	19.0%	-	460,505	-	-
IHP Investment Fund II, L.P.	www.ihpinc.com	1995	95,000,000	243,997,806	273,574,875	273,574,875	7,054,706	1.1	33,644	10.4%	10.6%	-	33,644	-	-
IHP Investment Fund III, L.P.	www.ihpinc.com	1999	725,000,000	4,413,430,656	3,874,088,391	4,155,521,233	40,666,504	0.9	4,905,861	-4.5%	-4.2%	-	4,905,861	-	-
IMI - Base	www.miller-capital.com	2013	6,779,735,548	2,342,760,204	1,892,096,921	8,139,302,115	-	1.6	26,098,888	14.1%	14.9%	-	26,098,888	2,973,197	-
IMP - Base	www.gid.com	2012	5,302,796,254	2,835,616,957	1,667,516,668	6,554,114,478	-	1.1	25,803,924	6.4%	8.6%	-	25,803,924	15,146,378	166,284,587
IMP - DT 2012 and Beyond	www.gid.com	2013	1,802,343,000	696,403,576	73,700,537	443,161,944	-	1.4	1,779,921	19.3%	22.1%	-	1,779,921	287,825	-
IMP - ICMI	www.gid.com	2018	11,000,000	2,917,167	30,365,836	657,176,756	27,448,669	1.1	2,918,877	9.2%	9.7%	-	2,918,877	1,201,996	-
IMP Abaca	www.gid.com	2018	1,300,000	284,531	7,045,000	196,727,661	6,760,469	1.0	439,222	2.7%	2.9%	-	439,222	190,147	-
Institutional Core Multifamily Investors	www.invesco.com/corporate	2013	1,227,089,000	685,544,696	343,250,348	343,250,348	-	1.2	1,104,931	8.3%	9.1%	-	1,104,931	-	2,160,601
Institutional Logistics Partners, LLC	www.bentallkennedy.com	2013	2,817,788,000	1,199,437,843	705,159,141	1,583,528,155	-	1.3	4,636,242	15.1%	16.0%	-	4,636,242	-	-
Ivy Investment Vehicle LDC (SWPM)	www.global-infra.com/index.php	2010	156,445,051	189,656,894	312,831,432	1,176,711,608	21,214,456	7.6	-	36.3%	36.7%	-	-	-	3,764,837
KAREC California Development Program, LLC	www.kennedyrealestate.com	2002	633,521,568	751,787,368	543,509,788	543,509,788	8,267	0.7	1,320	-10.2%	-9.7%	-	1,320	-	-
KC 2011, LLC	www.klein-financial.com	2011	305,547,296	135,525,105	360,544,475	509,543,836	3,938,771	1.5	2,834,814	13.4%	15.0%	-	2,834,814	4,366,257	-
KSC Affordable Housing Investment Fund, LLC	www.klein-financial.com	2003	143,135,244	99,418,366	105,435,791	106,982,837	63,102,017	1.1	714,085	1.0%	2.3%	-	714,085	456,927	-
Land Management Company, LLC	www.ihpinc.com	2014	1,256,570,862	492,382,663	674,746,418	1,098,079,973	66,902,370	0.9	3,880,277	-4.2%	-3.7%	-	3,880,277	-	-
LaSalle Japan Logistics Fund II LP	www.lasalle.com	2007	19,827,906	26,762,320	35,632,707	35,817,484	-	1.3	4,432	9.2%	9.2%	-	4,432	-	-
Lincoln Timber L.P.	www.campbellglobal.com	2007	2,192,346,806	2,192,346,806	793,445,438	1,708,497,800	461,513,992	0.8	2,955,665	-2.8%	-2.8%	-	2,955,665	-	-
National Office Partners, LLC (CWP)	www.commonwealth-partners.com	2010	782,567,626	262,986,559	1,310,812,095	1,311,117,229	55,425	2.2	357	27.7%	29.6%	-	357	-	-
Neptune Regional Transmission System, LLC	www.neptunerts.com	2012	202,521,788	202,529,551	80,349,386	353,349,386	9,720,703	1.7	-	9.7%	9.7%	-	-	-	-
North Haven Infrastructure Partners II LP	www.morganstanley.com	2014	300,000,000	334,337,239	93,785,412	405,726,878	-	1.2	3,060,489	14.5%	16.0%	-	3,060,489	-	-
ORA Multifamily Investments I, LLC	www.resmark.com	2004	486,000,000	702,455,572	897,031,981	940,699,448	110,585,766	1.3	687,012	10.0%	14.0%	-	687,012	-	11,029,968
ORA Residential Investments I, L.P.	www.resmark.com	1999	329,000,000	1,561,766,355	1,758,317,105	1,883,391,006	52,514,310	1.2	1,546,757	14.8%	26.0%	-	1,546,757	-	-
Pacific Multifamily Investors, LLC	www.purapts.com	2014	2,087,415,000	1,302,440,530	355,259,443	1,663,243,327	-	1.3	5,863,856	11.2%	12.0%	-	5,863,856	231,748	11,328,036
PERS-400 R STREET	www.cimgroup.com	2005	17,568,078	52,596,392	68,396,933	68,198,308	1,166,667	2.1	-	26.2%	26.2%	-	-	-	-
PLA Residential Fund I, LLC	www.prudential.com	2004	783,134	183,284,490	298,581,850	298,581,850	435,891	1.6	-	23.6%	23.6%	-	-	-	-
PLA Retail Fund I, LP	www.prudential.com	2006	75,000,000	75,000,000	93,076,041	94,467,076	-	1.3	-	3.7%	3.7%	-	-	-	-

CalPERS Alternative Investment Vehicle (AIV) Fee Expense Disclosure (AB 2833 Report) - Real Assets as of June 30, 2019

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
Requirements of § 6254.26											**Requirements of § 7514.7**				
AIV name	**Address**	**Vintage year**	**Capital committed ($)**	**Cash contributions ($)**	**Cash distributions ($)**	**Cash distributions + remaining value ($)**	**Cash profit received ($)**	**Investment multiple**	**Management fees and costs ($)**	**Net IRR**	**Gross IRR**	**Fees and expenses paid by CalPERS directly to GP or related parties ($)**	**Fees and expenses paid by the AIV to the GP or related parties ($)**	**Fees and expenses paid by portfolio companies ($)**	**Carried interest distributed ($)**
Sacramento Venture - Base	www.cimgroup.com	2018	25,071,310	731,653	495,000	50,117,977	-	1.1	360,842	14.6%	16.3%	-	360,842	73,096	-
Sacramento Venture - DT	www.cimgroup.com	2017	197,405,418	2,463,360	-	48,500,610	-	1.0	408,963	1.4%	2.3%	-	408,963	20,390	-
SF Mission Street Partners, LLC	www.resmark.com	2018	1,470,000	42,787	-	3,544,700	-	0.7	20,082	-39.6%	-39.3%	-	20,082	-	-
Southern Diversified	www.campbellglobal.com	2017	2,645,320	5,252,336	2,777,139	4,950,521	90,424	0.9	-	-6.1%	-6.1%	-	-	-	-
Stockbridge Hollywood Park Co-Investors, LP	www.stockbridge.com	2006	98,600,000	99,964,367	125,030,109	193,478,971	14,427,909	1.9	363,987	7.0%	7.2%	-	363,987	-	-
Stockbridge Real Estate Fund II -B, LP	www.stockbridge.com	2006	75,590,679	77,548,585	10,507,718	37,396,899	-	0.5	114,105	-7.2%	-6.9%	-	114,105	-	-
Strategic Property Fund Asia SCSP (formerly Asia Pacific Property Fund SCSP)	www.jpmorgan.com	2016	250,000,000	251,626,823	2,132,551	275,992,508	505,728	1.1	3,768,289	4.5%	4.9%	-	3,768,289	-	-
Sylvanus LLC	www.gfplp.com	2002	310,000,000	310,000,000	225,476,143	654,125,650	13,096,451	2.1	1,937,900	9.0%	9.0%	-	1,937,900	-	-
TechCore, LLC	www.gipartners.com	2012	3,094,575,117	1,847,060,055	1,111,730,375	2,478,326,331	46,197,081	1.3	8,715,806	12.7%	14.4%	-	8,715,806	-	1,172,421
Whitney Ranch Venture, LLC	www.ihpinc.com	2013	238,560,232	113,457,788	110,125,000	150,501,067	4,905,062	0.9	1,086,862	-2.8%	-1.7%	-	1,086,862	-	-
Xander Co-Investment	www.thexandergroup.com	2007	201,399,618	198,060,274	20,899,860	21,630,807	-	0.1	55,264	-20.6%	-18.5%	-	55,264	-	-
Total			68,128,498,535	45,033,804,639	31,819,155,974	72,616,804,249	1,267,814,163		258,192,673				259,484,894	67,317,146	247,514,899

CalPERS Alternative Investment Vehicle (AIV) Fee Expense Disclosure (AB 2833 Report) - Trust Level Portfolio Management as of June 30, 2019

Column 1	Column 2	Column 3	Column 4	Column 5	Column 6	Column 7	Column 8	Column 9	Column 10	Column 11	Column 12	Column 13	Column 14	Column 15	Column 16
Requirements of § 6254.26											**Requirements of § 7514.7**				
AIV name	**Address**	**Vintage year**	**Capital committed ($)**	**Cash contributions ($)**	**Cash distributions ($)**	**Cash distributions + remaining value ($)**	**Cash profit received ($)**	**Investment multiple**	**Management fees and costs ($)**	**Net IRR**	**Gross IRR**	**Fees and expenses paid by CalPERS directly to GP or related parties ($)**	**Fees and expenses paid by the AIV to the GP or related parties ($)**	**Fees and expenses paid by portfolio companies ($)**	**Carried interest distributed ($)**
AQR Multi-Asset Class Fund LP	www.aqr.com	2013	500,000,000	500,000,000	-	728,790,700	-	1.5	4,457,750	6.8%	7.8%	-	4,457,750	-	-
FIAM Global Allocation LP	www.fidelity.com	2018	1,000,000,000	1,000,000,000	-	1,026,590,003	-	1.0	3,534,595	3.7%	4.1%	-	3,534,595	-	-
LongTail Alpha Onetail Hedgehog Fund I LP	www.longtailalpha.com/	2017	130,000,000	130,000,000	-	58,929,640	-	0.5	4,314,062	-2.0%	-1.9%	-	4,314,062	-	-
PWP Dynamic Multi-Asset Fund LP	www.pwpartners.com/	2018	500,000,000	500,000,000	-	548,195,000	-	1.1	4,708,499	15.3%	16.3%	-	4,708,499	-	-
Standard Life Investment Multi Asset Class Fund LP	www.aberdeenstandard.com	2013	500,000,000	500,000,000	-	315,726,536	-	0.6	2,173,770	2.1%	2.6%	-	2,173,770	-	-
Universa Black Swan Protection Protocol XXIV LP	www.universa.net/	2017	145,000,000	145,000,000	-	94,743,144	-	0.6	22,680,433	-6.6%	-3.8%	-	22,680,433	-	-
Total			2,775,000,000	2,775,000,000		2,772,975,023			41,869,109				41,869,109		