

Appendix 1 – Breakdown of Fossil Fuel Exposure

The tables below set out the market value of fossil fuel stocks within the Hackney Pension Fund equity portfolio at 31/07/2016 and 31/12/2018. Where holdings are via pooled funds, the market value of the underlying holdings has been estimated. Fossil fuel stocks are defined here as all oil, gas and coal producers, all gas utilities and any multi-utility and mining companies within the Carbon Underground 200. It should be noted that market values can vary widely and do not indicate the intensity of exposure to fossil fuel reserves.

Jul-16			
Fund/mandate name	Fund NAV	Value of fossil fuel stocks (£)	% of fund/mandate assets
FTSE AllShare index tracker	290,199,393	44,653,417	15.39%
Active Segregated Global Equity Holdings	390,842,566	40,876,985	10.46%
Active Pooled Emerging Markets Equity	63,159,464	2,225,925	3.52%
Total Hackney Pension Fund Assets	1,237,505,867		
Total value of fossil fuel stocks	87,756,326		
Total Fund % exposure	7.09%		

Dec-18			
Fund/mandate name	Fund NAV	Value of fossil fuel stocks (£)	% of fund/mandate assets
FTSE AllShare index tracker	135,028,518.18	27,747,790	20.55%
MSCI All World index tracker	314,656,963.75	21,313,342	6.77%
MSCI Low Carbon Target index tracker	142,167,830.16	5,358,080	3.77%
Active Pooled Global Equity	183,162,084	7,549,356	4.12%
Active Pooled Emerging Markets Equity	74,159,084	3,713,538	5.01%
Total Hackney Pension Fund Assets	1,455,750,510		
Total value of fossil fuel stocks	65,682,106		
Total Fund % exposure	4.51%		

Passive Pooled Funds 31/07/2016

Description	Estimated Value of underlying holding	Sector	Index
ANGLO AMERICAN USD0.54945	1,431,340	Metals & Mining	FTSE All Share
BHP BILLITON PLC USD0.50	2,633,439	Metals & Mining	FTSE All Share
EVRAZ PLC ORD USD1	121,221	Metals & Mining	FTSE All Share
GLENCORE XSTRATA ORD USD0.01	2,883,956	Metals & Mining	FTSE All Share
RIO TINTO ORD GBP0.10	3,954,483	Metals & Mining	FTSE All Share
CENTRICA ORD GBP0.061728395	1,728,797	Multi-Utilities	FTSE All Share
BP ORD USD0.25	10,486,190	Oil, Gas & Consumable Fuels	FTSE All Share
CAIRN ENERGY PLC ORD GBP0.0136686 (POST CON)	136,100	Oil, Gas & Consumable Fuels	FTSE All Share
ENQUEST PLC ORD GBP0.05	23,649	Oil, Gas & Consumable Fuels	FTSE All Share
NOSTRUM OIL & G ORD GBP0.01	35,193	Oil, Gas & Consumable Fuels	FTSE All Share
OPHIR ENERGY PLC ORD GBP0.0025	62,890	Oil, Gas & Consumable Fuels	FTSE All Share
PREMIER OIL ORD GBP0.125	43,344	Oil, Gas & Consumable Fuels	FTSE All Share
ROYAL DUTCH SHELL 'B'SHS EUR0.07 (UK LIST)	10,124,392	Oil, Gas & Consumable Fuels	FTSE All Share
ROYAL DUTCH SHELL PLC 'A'SHS EUR0.07	3,484,199	Oil, Gas & Consumable Fuels	FTSE All Share
ROYAL DUTCH SHELL PLC 'A'SHS EUR0.07	7,218,510	Oil, Gas & Consumable Fuels	FTSE All Share
SOCO INTERNATIONAL ORD GBP0.05	43,600	Oil, Gas & Consumable Fuels	FTSE All Share
TULLOW OIL ORD GBP0.10	242,114	Oil, Gas & Consumable Fuels	FTSE All Share
TOTAL	44,653,417		

Active Segregated Holdings 31/07/2016

Description	Market value of holding	Sector	Mandate Name
Gas Natural Sdg EUR1	2,635,727	Gas Water & Multiutilities	Segregated Global Equities

Centrica Ord GBP0.061728	2,585,918	Gas Water & Multiutilities	Segregated Global Equities
HK & China Gas HKD0.25	2,585,256	Gas Water & Multiutilities	Segregated Global Equities
E On NPV	2,063,238	Gas Water & Multiutilities	Segregated Global Equities
National Grid New Ord GBP0.114	1,672,574	Gas Water & Multiutilities	Segregated Global Equities
EOG Resources Com USD0.01	2,750,798	Oil & Gas	Segregated Global Equities
EOG Resources Com USD0.01	2,174,093	Oil & Gas	Segregated Global Equities
Pioneer Natural Resources Com USD0.01	2,327,738	Oil & Gas	Segregated Global Equities
Pioneer Natural Resources Com USD0.01	1,596,485	Oil & Gas	Segregated Global Equities
Royal Dutch Shell 'B' EUR0.07	3,767,564	Oil & Gas	Segregated Global Equities
Halliburton Com USD2.50	2,460,047	Oil & Gas	Segregated Global Equities
Marathon Oil Com USD1	2,169,025	Oil & Gas	Segregated Global Equities
Occidental Ptl Com USD0.20	1,978,164	Oil & Gas	Segregated Global Equities
Exxon Mobil Com NPV	1,860,592	Oil & Gas	Segregated Global Equities
Anadarko Petroleum Com USD0.10	1,742,603	Oil & Gas	Segregated Global Equities
Noble Energy Com USD0.01	1,649,195	Oil & Gas	Segregated Global Equities
Royal Dutch Shell 'A' EUR0.07	1,334,375	Oil & Gas	Segregated Global Equities
Concho Resources Com USD0.001	1,039,785	Oil & Gas	Segregated Global Equities
Kinder Morgan Com USD0.01	1,011,638	Oil & Gas	Segregated Global Equities
Cabot Oil & Gas Com USD0.1	806,609	Oil & Gas	Segregated Global Equities
Southwestern Energy Com USD0.10	665,561	Oil & Gas	Segregated Global Equities
TOTAL	40,876,985		

Active Pooled Funds 31/07/2016

Description	Market value of holding	Sector	Mandate Name
PETROL BRASILEIROS PFD BRL0.12	198,714	Energy	Active Pooled Emerging Markets Equity
CHINA PETRO & CHEM H CNY1	242,181	Energy	Active Pooled Emerging Markets Equity
CNOOC LTD HKD0.02	234,459	Energy	Active Pooled Emerging Markets Equity

TB BATUBARA BUKIT ASAM	158,291	Energy	Active Pooled Emerging Markets Equity
OIL CO LUKOIL PJSC REP(1 ORD RUB0.02)	192,488	Energy	Active Pooled Emerging Markets Equity
BANGCHAK PETROLEUM THB1(ALIEN MKT)	108,173	Energy	Active Pooled Emerging Markets Equity
TUPRAS TRY1	109,472	Energy	Active Pooled Emerging Markets Equity
CEMIG CIA ENERG MG PEF BRL5.00	1,077	Utilities	Active Pooled Emerging Markets Equity
ENERGIAS DO BRASIL COM STK NPV	210,442	Utilities	Active Pooled Emerging Markets Equity
ENERSIS AMERICAS S A ADS REP 50 SHARES	83,241	Utilities	Active Pooled Emerging Markets Equity
ENERSIS S A ADR(50 COM)	115,811	Utilities	Active Pooled Emerging Markets Equity
KOREA ELEC POWER KRW5000	210,562	Utilities	Active Pooled Emerging Markets Equity
ELECTRICITY GENRTG THB10(ALIEN MKT)	130,862	Utilities	Active Pooled Emerging Markets Equity
INDRAPRASTHA GAS INR10	230,151	Utilities	Active Pooled Emerging Markets Equity
TOTAL	2,225,925		

Passive Pooled Funds 31/12/2018

Description	Estimated Value of underlying holding	Sector	Index
ANGLO AMERICAN PLC	1,086,130	Metals & Mining	FTSE All Share
BHP GROUP PLC	2,157,909	Metals & Mining	FTSE All Share
EVRAZ	148,473	Metals & Mining	FTSE All Share
GLENCORE PLC	2,105,370	Metals & Mining	FTSE All Share
RIO TINTO PLC	2,663,475	Metals & Mining	FTSE All Share
CENTRICA PLC	475,381	Multi-Utilities	FTSE All Share
BP PLC	6,282,344	Oil, Gas & Consumable Fuels	FTSE All Share
CAIRN ENERGY PLC	56,172	Oil, Gas & Consumable Fuels	FTSE All Share
ENERGEAN OIL & GAS PLC	33,347	Oil, Gas & Consumable Fuels	FTSE All Share
ENQUEST PLC	21,304	Oil, Gas & Consumable Fuels	FTSE All Share
NOSTRUM OIL & GAS PLC	6,166	Oil, Gas & Consumable Fuels	FTSE All Share
OPHIR ENERGY PLC	13,877	Oil, Gas & Consumable Fuels	FTSE All Share
PREMIER OIL PLC	31,395	Oil, Gas & Consumable Fuels	FTSE All Share
ROYAL DUTCH SHELL PLC	6,804,743	Oil, Gas & Consumable Fuels	FTSE All Share
ROYAL DUTCH SHELL PLC CLASS B	5,687,903	Oil, Gas & Consumable Fuels	FTSE All Share
SOCO INTERNATIONAL PLC	15,062	Oil, Gas & Consumable Fuels	FTSE All Share
TULLOW OIL PLC	158,739	Oil, Gas & Consumable Fuels	FTSE All Share
FIRSTENERGY CORP	154,767	Electric Utilities	MSCI World
PG&E CORP	112,896	Electric Utilities	MSCI World
ALTAGAS LTD	14,840	Gas Utilities	MSCI World
APA GROUP UNITS	63,640	Gas Utilities	MSCI World
ATMOS ENERGY CORP	86,710	Gas Utilities	MSCI World
HIROSHIMA GAS LTD	17	Gas Utilities	MSCI World
HOKKAIDO GAS LTD	20	Gas Utilities	MSCI World
HONG KONG AND CHINA GAS LTD	175,166	Gas Utilities	MSCI World

K&O ENERGY GROUP INC	24	Gas Utilities	MSCI World
NATURGY ENERGY SA	79,884	Gas Utilities	MSCI World
NIPPON GAS LTD	153	Gas Utilities	MSCI World
OSAKA GAS LTD	61,121	Gas Utilities	MSCI World
SAIBU GAS LTD	69	Gas Utilities	MSCI World
SHIZUOKA GAS LTD	63	Gas Utilities	MSCI World
TOHO GAS LTD	29,551	Gas Utilities	MSCI World
TOKYO GAS LTD	89,723	Gas Utilities	MSCI World
UGI CORP	86,883	Gas Utilities	MSCI World
ANGLO AMERICAN PLC	192,664	Metals & Mining	MSCI World
ARCELORMITTAL SA	124,819	Metals & Mining	MSCI World
BHP GROUP LTD	632,750	Metals & Mining	MSCI World
BHP GROUP PLC	375,987	Metals & Mining	MSCI World
GLENCORE PLC	353,013	Metals & Mining	MSCI World
LUNDIN MINING CORP	26,733	Metals & Mining	MSCI World
RIO TINTO LTD	181,036	Metals & Mining	MSCI World
RIO TINTO PLC	491,544	Metals & Mining	MSCI World
SOUTH32 LTD	82,631	Metals & Mining	MSCI World
TECK RESOURCES SUBORDINATE VOTING	85,764	Metals & Mining	MSCI World
AGL ENERGY LTD	89,535	Multi-Utilities	MSCI World
CENTRICA PLC	87,067	Multi-Utilities	MSCI World
AKER BP	1,027	Oil, Gas & Consumable Fuels	MSCI World
ANADARKO PETROLEUM CORP	198,579	Oil, Gas & Consumable Fuels	MSCI World
ANTERO RESOURCES CORP	14,834	Oil, Gas & Consumable Fuels	MSCI World
APACHE CORP	97,918	Oil, Gas & Consumable Fuels	MSCI World
ARC RESOURCES LTD	20,174	Oil, Gas & Consumable Fuels	MSCI World
BEACH ENERGY LTD	187	Oil, Gas & Consumable Fuels	MSCI World
BP PLC	1,122,199	Oil, Gas & Consumable Fuels	MSCI World
CABOT OIL & GAS CORP	97,846	Oil, Gas & Consumable Fuels	MSCI World

CALTEX AUSTRALIA LTD	42,740	Oil, Gas & Consumable Fuels	MSCI World
CAMECO CORP	42,878	Oil, Gas & Consumable Fuels	MSCI World
CANADIAN NATURAL RESOURCES LTD	270,974	Oil, Gas & Consumable Fuels	MSCI World
CENOVUS ENERGY INC	81,064	Oil, Gas & Consumable Fuels	MSCI World
CHENIERE ENERGY INC	115,991	Oil, Gas & Consumable Fuels	MSCI World
CHEVRON CORP	1,830,349	Oil, Gas & Consumable Fuels	MSCI World
CIMAREX ENERGY	52,825	Oil, Gas & Consumable Fuels	MSCI World
CONCHO RESOURCES INC	166,428	Oil, Gas & Consumable Fuels	MSCI World
CONOCOPHILLIPS	660,209	Oil, Gas & Consumable Fuels	MSCI World
CONTINENTAL RESOURCES INC	40,203	Oil, Gas & Consumable Fuels	MSCI World
COSMO ENERGY HOLDINGS LTD	157	Oil, Gas & Consumable Fuels	MSCI World
CRESCENT POINT ENERGY CORP	518	Oil, Gas & Consumable Fuels	MSCI World
DEVON ENERGY CORP	108,333	Oil, Gas & Consumable Fuels	MSCI World
DIAMONDBACK ENERGY INC	124,044	Oil, Gas & Consumable Fuels	MSCI World
ENAGAS SA	23,848	Oil, Gas & Consumable Fuels	MSCI World
ENBRIDGE INC	36,708	Oil, Gas & Consumable Fuels	MSCI World
ENBRIDGE INC	505,789	Oil, Gas & Consumable Fuels	MSCI World
ENCANA	40,090	Oil, Gas & Consumable Fuels	MSCI World
ENI	361,507	Oil, Gas & Consumable Fuels	MSCI World
EOG RESOURCES INC	435,936	Oil, Gas & Consumable Fuels	MSCI World
EQUINOR	223,016	Oil, Gas & Consumable Fuels	MSCI World
EXXON MOBIL CORP	2,555,132	Oil, Gas & Consumable Fuels	MSCI World
FUJI OIL LTD	17	Oil, Gas & Consumable Fuels	MSCI World
GALP ENERGIA SGPS SA	63,487	Oil, Gas & Consumable Fuels	MSCI World
HESS CORP	109,374	Oil, Gas & Consumable Fuels	MSCI World
HOLLYFRONTIER CORP	88,592	Oil, Gas & Consumable Fuels	MSCI World
HUSKY ENERGY INC	31,321	Oil, Gas & Consumable Fuels	MSCI World
IDEMITSU KOSAN LTD	29,990	Oil, Gas & Consumable Fuels	MSCI World
IMPERIAL OIL LTD	73,553	Oil, Gas & Consumable Fuels	MSCI World

INPEX CORP	88,154	Oil, Gas & Consumable Fuels	MSCI World
INTER PIPELINE LTD	47,900	Oil, Gas & Consumable Fuels	MSCI World
ITOCHU ENEX LTD	50	Oil, Gas & Consumable Fuels	MSCI World
JAPAN PETROLEUM EXPLORATION LTD	92	Oil, Gas & Consumable Fuels	MSCI World
JXTG HOLDINGS INC	137,119	Oil, Gas & Consumable Fuels	MSCI World
KEYERA CORP	39,457	Oil, Gas & Consumable Fuels	MSCI World
KINDER MORGAN INC	252,414	Oil, Gas & Consumable Fuels	MSCI World
KONINKLIJKE VOPAK NV	24,488	Oil, Gas & Consumable Fuels	MSCI World
LUNDIN PETROLEUM	40,709	Oil, Gas & Consumable Fuels	MSCI World
MARATHON OIL CORP	115,816	Oil, Gas & Consumable Fuels	MSCI World
MARATHON PETROLEUM CORP	360,720	Oil, Gas & Consumable Fuels	MSCI World
MITSUUROKO GROUP HOLDINGS LTD	24	Oil, Gas & Consumable Fuels	MSCI World
NESTE	89,184	Oil, Gas & Consumable Fuels	MSCI World
NEW HOPE CORPORATION LTD	88	Oil, Gas & Consumable Fuels	MSCI World
NEWFIELD EXPLORATION	295	Oil, Gas & Consumable Fuels	MSCI World
NIPPON COKE & ENGINEERING LTD	18	Oil, Gas & Consumable Fuels	MSCI World
NOBLE ENERGY INC	76,081	Oil, Gas & Consumable Fuels	MSCI World
OCCIDENTAL PETROLEUM CORP	412,447	Oil, Gas & Consumable Fuels	MSCI World
OIL SEARCH LTD	58,596	Oil, Gas & Consumable Fuels	MSCI World
OMV AG	57,767	Oil, Gas & Consumable Fuels	MSCI World
ONEOK INC	181,596	Oil, Gas & Consumable Fuels	MSCI World
ORIGIN ENERGY LTD	53,986	Oil, Gas & Consumable Fuels	MSCI World
PARSLEY ENERGY INC CLASS A	40,047	Oil, Gas & Consumable Fuels	MSCI World
PEMBINA PIPELINE CORP	141,183	Oil, Gas & Consumable Fuels	MSCI World
PHILLIPS	357,867	Oil, Gas & Consumable Fuels	MSCI World
PIONEER NATURAL RESOURCE	196,874	Oil, Gas & Consumable Fuels	MSCI World
PLAINS GP HOLDINGS CLASS A	32,981	Oil, Gas & Consumable Fuels	MSCI World
PRAIRIESKY ROYALTY LTD	23,340	Oil, Gas & Consumable Fuels	MSCI World
REPSOL RIGHTS SA	5,251	Oil, Gas & Consumable Fuels	MSCI World

REPSOL SA	184,823	Oil, Gas & Consumable Fuels	MSCI World
ROYAL DUTCH SHELL PLC	1,178,069	Oil, Gas & Consumable Fuels	MSCI World
ROYAL DUTCH SHELL PLC CLASS B	962,036	Oil, Gas & Consumable Fuels	MSCI World
SALA CORP	29	Oil, Gas & Consumable Fuels	MSCI World
SAN AI OIL LTD	69	Oil, Gas & Consumable Fuels	MSCI World
SANTOS LTD	40,847	Oil, Gas & Consumable Fuels	MSCI World
SEVEN GENERATIONS ENERGY LTD CLASS	17,018	Oil, Gas & Consumable Fuels	MSCI World
SHOWA SHELL SEKIYU K.K.	19,435	Oil, Gas & Consumable Fuels	MSCI World
SINANEN HOLDINGS LTD	23	Oil, Gas & Consumable Fuels	MSCI World
SNAM	105,152	Oil, Gas & Consumable Fuels	MSCI World
SUNCOR ENERGY INC	406,661	Oil, Gas & Consumable Fuels	MSCI World
TARGA RESOURCES CORP	74,339	Oil, Gas & Consumable Fuels	MSCI World
TOTAL SA	1,151,599	Oil, Gas & Consumable Fuels	MSCI World
TOURMALINE OIL CORP	25,141	Oil, Gas & Consumable Fuels	MSCI World
TRANSCANADA CORP	261,817	Oil, Gas & Consumable Fuels	MSCI World
VALERO ENERGY CORP	285,448	Oil, Gas & Consumable Fuels	MSCI World
VERMILION ENERGY INC	21,142	Oil, Gas & Consumable Fuels	MSCI World
VIVA ENERGY GROUP LTD	154	Oil, Gas & Consumable Fuels	MSCI World
WASHINGTON H SOUL PATTINSON & COMP	232	Oil, Gas & Consumable Fuels	MSCI World
WHITEHAVEN COAL LTD	240	Oil, Gas & Consumable Fuels	MSCI World
WILLIAMS INC	222,817	Oil, Gas & Consumable Fuels	MSCI World
WOODSIDE PETROLEUM LTD	174,764	Oil, Gas & Consumable Fuels	MSCI World
PG&E CORP	39,558	Electric Utilities	MSCI Low Carbon Target
APA GROUP UNITS	24,727	Gas Utilities	MSCI Low Carbon Target
ATMOS ENERGY CORP	359,833	Gas Utilities	MSCI Low Carbon Target
HONG KONG AND CHINA GAS LTD	107,377	Gas Utilities	MSCI Low Carbon Target
NIPPON GAS LTD	14	Gas Utilities	MSCI Low Carbon Target
OSAKA GAS LTD	86	Gas Utilities	MSCI Low Carbon Target
TOHO GAS LTD	89,357	Gas Utilities	MSCI Low Carbon Target

TOKYO GAS LTD	120	Gas Utilities	MSCI Low Carbon Target
LUNDIN MINING CORP	114,369	Metals & Mining	MSCI Low Carbon Target
ANADARKO PETROLEUM CORP	269	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
APACHE CORP	121	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
BP PLC	3,298	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
CABOT OIL & GAS CORP	117	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
CAMECO CORP	26,766	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
CHENIERE ENERGY INC	241,494	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
CHEVRON CORP	123,419	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
CIMAREX ENERGY	72	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
CONCHO RESOURCES INC	193,048	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
CONOCOPHILLIPS	874	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
COSMO ENERGY HOLDINGS LTD	14	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
DEVON ENERGY CORP	129	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
DIAMONDBACK ENERGY INC	142,660	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
ENAGAS SA	8,752	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
ENBRIDGE INC	225,025	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
ENI	937	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
EOG RESOURCES INC	141,800	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
EXXON MOBIL CORP	3,516	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
GALP ENERGIA SGPS SA	98,038	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
HESS CORP	123	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
HOLLYFRONTIER CORP	171,995	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
IDEMITSU KOSAN LTD	61	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
INPEX CORP	117	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
JAPAN PETROLEUM EXPLORATION LTD	8	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
JXTG HOLDINGS INC	213	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
KINDER MORGAN INC	98,330	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
KONINKLIJKE VOPAK NV	26,571	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target

MARATHON OIL CORP	145	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
MARATHON PETROLEUM CORP	396,585	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
NESTE	105,992	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
NEWFIELD EXPLORATION	36	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
NOBLE ENERGY INC	110	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
OCCIDENTAL PETROLEUM CORP	564	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
ONEOK INC	416,679	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
PEMBINA PIPELINE CORP	171,569	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
PHILLIPS	679,721	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
PIONEER NATURAL RESOURCE	118,481	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
PRAIRIESKY ROYALTY LTD	178,981	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
ROYAL DUTCH SHELL PLC	3,567	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
ROYAL DUTCH SHELL PLC CLASS B	441,557	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
SHOWA SHELL SEKIYU K.K.	31	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
SNAM	68,902	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
TOTAL SA	3,326	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
VALERO ENERGY CORP	392,280	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
WILLIAMS INC	136,301	Oil, Gas & Consumable Fuels	MSCI Low Carbon Target
TOTAL	54,419,136		

Active Pooled Funds 31/12/2018

Description	Estimated Value of underlying holding	Sector	Fund
EOG Resources Inc	7,549,356	Energy	Active Pooled Global Equity
Bukit Asam Tbk PT	258,821	Energy	Active Pooled Emerging Markets Equity
CNOOC Ltd	312,738	Energy	Active Pooled Emerging Markets Equity
Centrais Eletricas Brasileiras SA - Preferred Shares	155,500	Utilities	Active Pooled Emerging Markets Equity

China Petroleum & Chemical Corp	236,021	Energy	Active Pooled Emerging Markets Equity
China Resources Power Holdings Co Ltd	424,899	Utilities	Active Pooled Emerging Markets Equity
Cia Energetica de Minas Gerais - Preferred Shares	183,207	Utilities	Active Pooled Emerging Markets Equity
Ecopetrol SA	108,144	Energy	Active Pooled Emerging Markets Equity
Inter RAO UES PJSC	252,223	Utilities	Active Pooled Emerging Markets Equity
LUKOIL PJSC - ADR	356,630	Energy	Active Pooled Emerging Markets Equity
MOL Hungarian Oil & Gas PLC	451,975	Energy	Active Pooled Emerging Markets Equity
Petroleo Brasileiro SA - Preferred Shares	311,632	Energy	Active Pooled Emerging Markets Equity
Reliance Industries Ltd	554,592	Energy	Active Pooled Emerging Markets Equity
Tupras Turkiye Petrol Rafinerileri AS	107,155	Energy	Active Pooled Emerging Markets Equity
TOTAL	11,262,894		