

# Briefing

## Local government pensions: fossil fuel divestment

UK local authority pension funds hold investments of over £16 billion in coal, oil and gas companies<sup>1</sup>. These companies' actions are making climate change worse, threatening all of our futures (see page 2).

There are ethical and financial reasons for these local authorities to sell their pension holdings in these fossil-fuel companies – called “divestment”.

Divestment is happening. In the last two years, 6 UK local authorities or Government Agencies have taken various divestment actions: South Yorkshire, Waltham Forest, the Environment Agency, Southwark, Haringey and Hackney (see page 5).

They join a snow-balling number of institutions globally who are divesting – as of November 2017 808 institutions, whose assets total over \$5.57 trillion<sup>2</sup>, have made divestment commitments.

This briefing covers five issues which come up in discussions around local authority divestment:

- 1) The ethical arguments for divestment**
- 2) The financial reasons for divestment**
- 3) The practicalities – who is divesting?**
- 4) The practicalities – what can local authorities invest in instead?**
- 5) How to respond to authorities who want to “engage” with fossil fuel companies instead of divesting**

## 1) The ethical arguments for divestment

We have already seen global warming of over 1 degree centigrade<sup>3</sup>. The resulting climate change<sup>4</sup> is now leading to increasingly severe impacts – from rapidly melting sea-ice at the poles<sup>5</sup> and 50 degree heatwaves in India<sup>6</sup>, to floods in Louisiana<sup>7</sup> and drought in California<sup>8</sup>. The UK is seeing worse impacts too – with increasingly severe flooding<sup>9</sup> in almost every region and country in the UK in recent years. These impacts will get worse, because we are currently on track for a three-degree warming world<sup>10</sup>. For example according to the World Bank a 3 degree warming world would see 113 “heat-wave days” a year in Baghdad, compared with 47 such days a year in a 1.5 degree world<sup>11</sup>.

### Why fossil fuel companies’ actions are making climate change worse:

- At Paris in December 2015, 196 nations agreed to hold global warming to “well below 2 degrees” , and to “pursue efforts to limit the temperature increase to 1.5 degrees”<sup>12</sup>;
- The UK Government said in December 2016 that “70-75 percent of known fossil fuels would have to be left unused in order to have a 50% chance of limiting global temperature rise to below 2°C”<sup>13</sup>;
- The Governor of the Bank of England has said that the action needed to keep to a 2 degree goal “would render the vast majority of [existing] reserves “stranded” – oil, gas and coal that will be literally unburnable”<sup>14</sup>;
- Yet, fossil fuel companies are actively drilling for NEW reserves of coal, oil and gas over and above existing reserves; their actions are completely incompatible with staying within 2 degrees<sup>15</sup>.

*“Lack of action on climate change threatens to make the world our children inherit a completely different world than we are living in today. Climate change is one of the single biggest challenges facing development, and we need to assume the moral responsibility to take action on behalf of future generations, especially the poorest”*

**Jim Yong Kim**

**World Bank President, 2012**

### The consequences for pension funds:

Pensions are for our future security. Climate change is one of the biggest threats to that security. On ethical grounds, pension funds should not invest in companies who are making climate change worse.

## 2) The financial reasons for divestment

Pension fund boards have a “fiduciary duty” – to act in the best interests of the funds beneficiaries. This section sets out how “best interests” means pension funds now need to assess and act on climate risks.

Increasingly, Governments are taking stronger action on climate change. There are bumps in the road, but the direction of travel is one-way: action will increase. More and more fossil fuel “assets” will become stranded as Governments legislate on climate change and raise the price of carbon. The Paris Agreement<sup>16</sup> in December 2015 is the clearest signal yet.

The Governor of the Bank of England<sup>17</sup> is just the latest in a long line of financial heavyweights<sup>18</sup> noting the increasing risk that fossil fuel companies are overvalued, in a world where greater action on climate is inevitable. As yet these risks have not yet been properly assessed or priced by financial regulators or the fossil fuel companies:

- Impax Asset Management say: *“there are strong indications that today’s prices of energy stocks do not account for the risk”* of Government intervention to reduce fossil fuel pollution<sup>19</sup>;
- Investment experts Mercers consider climate change: *“A new investment risk that demands action by investors”*<sup>20</sup>;
- S&P Dow Jones Indices said in October 2015 on stranded assets that *“while the moral argument is compelling, there is strong evidence that the financial risks cannot be discounted either”*<sup>21</sup>.

### **Reaction to the December 2015 Paris Climate Agreement:**

*“Change is likely to be swift as pension funds recognise their fiduciary duty to address climate risk in all parts of their portfolios and, where necessary, to reallocate investment away from high carbon-related activity likely to destroy substantial shareholder value in a remarkably short time.”*

**Donald MacDonald, chair of the Institutional Investors Group on Climate Change, and trustee director of BT Pension Scheme**

Some commentators argue that there will not be stranded assets because Governments won’t tackle climate change<sup>22</sup>. Pledges of action have increased recently. These pledges are not yet sufficient - current estimates are that climate pledges if met would lead to around 3 degrees warming - but analysis by Carbon Tracker highlights that even if warming went as high as 3 degrees, listed companies still could not burn all their existing reserves<sup>23</sup>. So even with current and so far inadequate pledges, companies can’t burn all their reserves, and assets will be stranded.

### **The tide is turning away from fossil fuels**

Government actions on the environment are one of the reasons for falling fossil fuel company share prices in recent years – for example falling global coal demand due in part to Chinese Government action to reduce chronic air pollution in Chinese cities.

The cost of renewable energy has rapidly declined, continues to fall, and in many countries matches or out-competes fossil fuels on price<sup>24</sup>. In 2016 global renewables investment was \$300 billion, double that for fossil fuels<sup>25</sup>. Many economists forecast that fossil fuel assets will become stranded as the price of renewables continues to fall<sup>26</sup>, and other developments, such as electric vehicle deployment, continue their exponential growth. Transitions to new technologies can occur very quickly and are seldom predicted by the mainstream financial market.

These three factors – regulation to limit carbon emissions, the increasing competitiveness of renewables, and the growth of new technologies – are driving an acceleration in the switch from fossil fuels to renewable energy. Combined, they pose a growing risk to fossil fuel investments.

**Fiduciary duty means pension funds should assess the financial risks due to climate change of their current exposure to the fossil fuel sector.**

A couple of years ago some funds argued that they could not divest, because their “fiduciary duty” meant they had to ignore so-called “ethical” issues. They were wrong, ethical issues can be considered. But in addition, the evidence is increasingly clear that to be compliant with fiduciary duty the financial risks of the fund’s exposure to the fossil fuel sector must also be assessed.

“Fiduciary duty” is rightly and legally a core concern for pension funds. But LGPS legal advice<sup>27</sup> and Law Commission guidance<sup>28</sup> say **fiduciary duty rules do allow pension funds to consider ethical factors in investment decisions, so long as these do not negatively affect financial performance, and are not contrary to members’ wishes.** And there are many ways in which divestment from fossil fuels can be done without negatively affecting financial performance (see Section 4).

A December 2016 legal opinion for ClientEarth from two leading UK barristers found that pension fund trustees who fail to consider climate risk could be exposing themselves to legal challenge<sup>29</sup>. In addition to the dangers for laggards, Impax Asset Management outline the advantages for early-movers: *“In time, it is likely that the market values of all stocks will incorporate carbon risk. However, investors who position themselves ahead of this change should out-perform”*<sup>30</sup>.

**The Environment Agency, on its decision to decarbonise its equity portfolio:**

“The Fund’s fiduciary duty is to act in the best long-term interest of our members and to do so requires us to recognise that environmental, social and governance (ESG) issues can adversely impact on the Fund’s financial performance and should be taken into account in the funding and investment strategies and throughout the funding and investment decision making process.”

Climate change is also a growing risk to all society, not just individual pension funds. If pension funds are not addressing these risks, they are arguably complicit in seeing those risks increase.

Even if your pension fund refuses to act on ethical, security grounds, it should be taking action on financial grounds, given the increasing risks posed by holding high-carbon investments.

### 3) The practicalities – who is divesting?

These theoretical arguments are backed-up by practice: pension funds have started to divest from fossil fuels already:

- In October 2015, the £2.9 billion **Environment Agency Pension Fund** said it would divest 90% of its coal assets and 50% of its oil and gas stocks by 2020, saying this was in line with keeping below 2 degrees, and meeting the fund's fiduciary duties<sup>31</sup>;
- In November 2015, **South Yorkshire** Pension Fund announced it would divest from companies focussed on coal and tar sands<sup>32</sup>;
- **Haringey** pension fund moved £200 million into the MSCI World Low Carbon Target Index Fund in January 2016<sup>33</sup>;
- in September 2016, Conservative and Labour councillors in **Waltham Forest** unanimously voted to divest the pension fund from fossil fuels within 5 years<sup>34</sup>;
- in December 2016, **Southwark** pension fund announced it would divest from fossil fuels<sup>35</sup>.
- In February 2017, **Hackney** pension fund announced it would cut exposure to fossil fuel equity investments by 50% over the next 6 years, following a carbon risk audit by Trucost in Summer 2016<sup>36</sup>.

Other institutions are increasingly pulling out of fossil fuels. In May 2017 investment firm BMO announced they would divest their entire “responsible” range from fossil fuels by 2020<sup>37</sup>. BMO manage the ethical option for NEST – the UK’s 3 million member auto-enrollment workplace pension scheme. Europe’s largest insurer Allianz SE pulled out of coal in November 2015, joining California’s largest pension funds and the Norwegian Sovereign Wealth Fund<sup>38</sup>; Over 50 UK academic institutions have made fossil-fuel divestment commitments<sup>39</sup>, the British Medical Association has divested from fossil fuels<sup>40</sup> and the Church of England has divested from coal and tar sands<sup>41</sup>. In October 2017, 40 Catholic institutions globally announced they would divest<sup>42</sup>. The Trades Union Congress backed fossil fuel divestment in Sept 2017<sup>43</sup>, and council employees UNISON backed local authority pension fund divestment in June 2017<sup>44</sup>. More than 50 MPs support a new campaign for the parliament’s pension fund to divest from fossil fuels<sup>45</sup>.

## 4) The practicalities – what can local authorities invest in instead?

**Divesting from fossil fuel companies should not negatively affect the financial performance of funds.**

Plenty of mainstream alternative investment options exist which have no or very low fossil-fuel investments<sup>46</sup>.

One example is fossil-fuel free indices, which can equal or perform better than indices with fossil fuels in them. For example, over the last 5 years the fossil fuel-free indices from FTSE, Standard and Poors and MSCI have each out-performed the same index with fossil fuel companies in them:

Annualised return over the last 5 years:

<b>Fossil fuel-free index</b>	<b>Annual return</b>	<b>Standard index</b>	<b>Annual return</b>
MSCI ACWI ex Fossil Fuels Index <sup>47</sup>	16.35	MSCI ACWI Index	15.12
S&P GLOBAL 1200 FOSSIL FUEL FREE INDEX <sup>48</sup>	8.97	S&P GLOBAL 1200 <sup>49</sup>	7.45
FTSE All-World ex CW Climate Balanced Factor Index <sup>50</sup>	10.2	FTSE All-World	10.1

These funds are increasingly being used by big players. In November 2016, Legal and General set up a new fossil-free index, its Future World Fund<sup>51</sup>, into which HSBC have invested £1.8 billion. This fund tracks the above FTSE Climate Balanced index.

Haringey council’s review of its approach to move away from fossil fuels found in July 2017 that: *“the low carbon approach has secured returns that are very closely correlated to overall market performance (and in fact are slightly higher in the medium term): therefore altering the current investment strategy by increasing the allocation to low carbon, should not adversely affect the Fund’s investments”*<sup>52</sup>.

Many organisations which have committed to divest from fossil fuels are happy to share their experience and investment policies with others institutions considering this. Europeans for Divest-Invest<sup>53</sup> is a consortium of investors that have signed up to divest from fossil fuel assets and invest in ‘climate solutions’. It is happy to facilitate introductions or convene roundtables to discuss this further.

Other examples of reinvestment opportunities beyond shifting into low-carbon indices are set out by Community Reinvest<sup>54</sup>.

## 5) How to respond to authorities who want to “engage” with fossil fuel companies instead

Some pension funds argue that they need to keep their fossil fuel investments, so they can “engage” with companies, to try to persuade them to change their behaviour.

Shareholder engagement can work in some sectors, where the change required does not challenge the companies’ core business model, for example getting a company to remove a certain product from its supply chain.

But engagement does not work well where it’s the company’s core business model which needs to change, such as the coal, oil and gas sector.

In the fossil fuel sector, the evidence shows that engagement has not worked. Shell and BP have passed resolutions, but these relate to monitoring and reporting. These companies still refuse to re-align their business models with a 2 degree world. The results of the 2016 AGM engagement season were particularly disappointing, with analysis that:

- *“Shell downplays the risks that a 1.5 – 2°C outlook poses to its business model and does not provide a clear pathway for strategic alignment with the target set by governments at COP21 in Paris”; and*
- *“BP’s reporting on resilience against low-carbon post-2035 scenarios lacks depth, with the company continuing to doubt the likelihood of a 2°C outcome and forecasting a ‘base case’ of fossil fuel demand consistent with 4 – 6°C warming.”<sup>55</sup>*

At the 2017 AGMs, both these companies have again shown no sign of moving – with investor briefings stating that *“Shell is not committed to a credible <2°C strategy”<sup>56</sup>* and *“BP is not committed to a credible <2°C strategy”<sup>57</sup>*, and *“Shell’s current business model and base case for planning is consistent with 3-5°C+ of global warming”<sup>58</sup>*.

Shell and BP accept that climate change is a global threat, but still continue to operate under business scenarios that would lead to catastrophic levels of climate change, rather than keeping to below 2 degrees<sup>59</sup>. Engagement is not working on companies like Shell and BP, and even if it could, it is distinctly unlikely that UK local authority pension funds could exert adequate influence on them to do so<sup>60</sup>.

It is high-risk to assume that an engagement-only approach with fossil fuel companies will have sufficient traction quickly enough. Engagement also carries greater financial risks than divestment, for if it is not successful, then the exposure to potentially stranded-assets remains.

In contrast, divestment has been successful in the past, for example as part of global efforts aimed at changing the actions of Apartheid South Africa. Divestment helped to increase the political pressure for action. This is happening now on fossil fuels, with hundreds of institutions worldwide divesting, and more joining every month<sup>61</sup>.

There are also increasingly moves away from a narrow engagement-only approach, to combining engagement with divestment, for example:

- Pension giant Aviva’s climate change strategy sets a clear limit to engagement, and says it will “divest where necessary” if companies have not made adequate progress<sup>62</sup>;
- Carbon Tracker argues that “*true engagement needs the pressure created by divestment. Engagement without divestment is like a criminal legal system without a police force*”. Strategies of partial divestment first can be a signal to companies that engagement cannot be dismissed - because it carries with it the potential for further divestment. Engagement with fossil fuel companies is more likely to have a chance of success if divestment is also being pursued;
- Impax Asset Management<sup>63</sup> recommends “*a reallocation of 30% the holdings of a typical portfolio in oil and coal producers*” and states that “*investors who wish to engage with management teams of fossil fuel asset owners can still do so if they opt for partial re-allocation*”;
- Legal and General have also announced they are changing their approach to engagement. They say that they will set deadlines for engagement, and divest from companies who have not made adequate progress<sup>64</sup>;
- A July 2016 LAPFF/CTI report<sup>65</sup> sets out a checklist of questions for engagement around a 2 degree transition, and concludes: “*the answers to such questions should put shareholders in a position to gauge the risk profile of their investment. There is a financial argument that those that can’t reassure investors could be considered as divestment candidates*”.

Sectors for whom an engagement approach to climate change is more likely to be successful include automobile manufacturers and power utilities – because for both of these there are credible, viable alternative business models being adopted: such as electric vehicles and renewable power. But for fossil fuel exploration and production sector, with the sole exception of the smaller DONG energy, which has successfully transitioned away from oil and gas, all the oil and gas majors have current and future business models overwhelmingly based on fossil fuel extraction, and no prospect of change within the timescales required by the Paris climate agreement goals. Engagement is an unfit strategy for pension funds to use with these fossil fuel exploration and production companies.

### **Further detail<sup>66</sup>:**

For extra materials (infographics, how to campaign guides, case studies etc), see

[www.foe.co.uk/go/divest](http://www.foe.co.uk/go/divest)

[gofossilfree.org/uk/pensions/](http://gofossilfree.org/uk/pensions/)

[foe.scot/campaign/divestment/](http://foe.scot/campaign/divestment/)

Contact: [simon.bullock@foe.co.uk](mailto:simon.bullock@foe.co.uk)

## References:

- <sup>1</sup> <https://gofossilfree.org/uk/fuellingthefire/>, data released on 9<sup>th</sup> Nov 2017. Equals 5.6% of total funds
- <sup>2</sup> <http://gofossilfree.org/commitments/>, accessed 7<sup>th</sup> November 2017
- <sup>3</sup> Over pre-industrial levels. See <https://www.climate.gov/news-features/understanding-climate/climate-change-global-temperature> for detail
- <sup>4</sup> <https://phys.org/news/2016-11-climate-extreme-weather-events-worse.html>. See <https://www.carbonbrief.org/mapped-how-climate-change-affects-extreme-weather-around-the-world> for a full list of scientific studies showing human influence on extreme weather events
- <sup>5</sup> <https://sites.google.com/site/arctischepinguin/home/global-sea-ice>
- <sup>6</sup> <http://www.dailymail.co.uk/news/article-3600314/Indian-city-hits-51-degrees-setting-new-heat-record.html>
- <sup>7</sup> [http://www.nola.com/weather/index.ssf/2016/08/louisiana\\_flood\\_of\\_2016\\_result.html](http://www.nola.com/weather/index.ssf/2016/08/louisiana_flood_of_2016_result.html)
- <sup>8</sup> <http://earthsky.org/earth/drought-continues-california-november-2016>
- <sup>9</sup> <https://www.theccc.org.uk/2015/12/07/uk-floods-climate-change-likely-to-increase-frequency-and-magnitude-of-severe-flooding-events/>
- <sup>10</sup> A range of 2.7-3.5 is likely, with the different assumptions set out at <https://www.carbonbrief.org/un-report-climate-pledges-fall-short-of-cheapest-route-to-2c-limit>
- <sup>11</sup> World Bank Group. 2014. Turn Down the Heat : Confronting the New Climate Normal. Washington, DC: World Bank
- <sup>12</sup> UNFCCC, 2015. Adoption of the Paris Agreement. <http://unfccc.int/resource/docs/2015/cop21/eng/l09r01.pdf>
- <sup>13</sup> <http://www.parliament.uk/business/publications/written-questions-answers-statements/written-question/Commons/2016-12-09/56871>
- <sup>14</sup> Mark Carney, 29<sup>th</sup> September 2015. Breaking the Tragedy of the Horizon – climate change and financial stability
- <sup>15</sup> eg see Shell's scenarios' incompatibility with 2 degrees at [energydesk.greenpeace.org/2015/07/20/factcheck-are-shell-bp-serious-about-climate-action/](http://energydesk.greenpeace.org/2015/07/20/factcheck-are-shell-bp-serious-about-climate-action/).
- <sup>16</sup> The MacDonald reference in the text box is IIGCC, 2015. European investors welcome the unequivocal signal provided by the Paris Agreement - See more at: <http://www.iigcc.org/press/press-release/european-investors-welcome-the-very-strong-signal-provided-by-the-paris-agr>;
- <sup>17</sup> Mark Carney, Bank of England, 29 September 2015. Breaking the tragedy of the horizon - climate change and financial stability. [www.bankofengland.co.uk/publications/Pages/speeches/2015/844.aspx](http://www.bankofengland.co.uk/publications/Pages/speeches/2015/844.aspx). See also accompanying report by the Prudential Regulation Authority, 2015. The impact of climate change on the UK insurance sector. [www.bankofengland.co.uk/pru/Pages/supervision/activities/climatechange.aspx](http://www.bankofengland.co.uk/pru/Pages/supervision/activities/climatechange.aspx).
- <sup>18</sup> See also Smith School of Enterprise and the Environment [www.smithschool.ox.ac.uk/research-programmes/stranded-assets/](http://www.smithschool.ox.ac.uk/research-programmes/stranded-assets/).
- <sup>19</sup> Impax Asset Management, 2016. Carbon risk for investors: Building a "Smart Carbon" portfolio. [http://www.impaxam.com/sites/default/files/Smart%20carbon%20WP%20final%20global%20\\_0.pdf](http://www.impaxam.com/sites/default/files/Smart%20carbon%20WP%20final%20global%20_0.pdf)
- <sup>20</sup> Mercer [www.mercer.com/insights/focus/invest-in-climate-change-study-2015.html](http://www.mercer.com/insights/focus/invest-in-climate-change-study-2015.html).
- <sup>21</sup> S&P Dow Jones Indices, October 2015. Carbon Efficiency: A Strategic Look, page 14.
- <sup>22</sup> eg Nick Butler, 28 September 2015. Climate change and the myth of stranded assets. [blogs.ft.com/nick-butler/2015/09/28/climate-change-and-the-myth-of-stranded-assets/](http://blogs.ft.com/nick-butler/2015/09/28/climate-change-and-the-myth-of-stranded-assets/).
- <sup>23</sup> Carbon Tracker, 2013. Wasted capital and stranded assets. [www.carbontracker.org/report/wasted-capital-and-stranded-assets/](http://www.carbontracker.org/report/wasted-capital-and-stranded-assets/), page 15.
- <sup>24</sup> See for example <http://www.carbontracker.org/in-the-media/renewable-power-is-cheapest-option-today/> and <https://about.bnef.com/presentations/liebreich-state-industry-keynote-emea-summit-2016/>
- <sup>25</sup> <https://about.bnef.com/presentations/liebreich-state-industry-keynote-emea-summit-2016>
- <sup>26</sup> eg HSBC, April 16 2015. [Stranded Assets: what next?](http://www.hsbc.com/press-releases/2015/stranded-assets-what-next?lang=en).
- <sup>27</sup> LGA counsel advice, 2 April 2014. [www.lgpsboard.org/images/PDF/Publications/QCOpinionApril2014](http://www.lgpsboard.org/images/PDF/Publications/QCOpinionApril2014).
- <sup>28</sup> Law Commission, 1 July 2014. Is it always about the money? [www.lawcom.gov.uk/wp-content/uploads/2015/03/lc350\\_fiduciary\\_duties\\_guidance.pdf](http://www.lawcom.gov.uk/wp-content/uploads/2015/03/lc350_fiduciary_duties_guidance.pdf), eg Section 1.23-1.39.
- <sup>29</sup> <http://www.clientearth.org/pension-trustees-face-legal-challenge-ignoring-climate-risk-leading-qc-confirms/>
- <sup>30</sup> Impax Asset Management, 2016. Carbon risk for investors: Building a "Smart Carbon" portfolio. [http://www.impaxam.com/sites/default/files/Smart%20carbon%20WP%20final%20global%20\\_0.pdf](http://www.impaxam.com/sites/default/files/Smart%20carbon%20WP%20final%20global%20_0.pdf). April
- <sup>31</sup> Environment Agency, 2015. Policy to address the impacts of climate change. <https://www.eapf.org.uk/~media/document-libraries/eapf2/climate-change/policy-to-address-the-impacts-of-climate-change.pdf?la=en>. October.
- <sup>32</sup> Pensions Age, 2015. South Yorkshire Pension Fund to divest from 'pure' coal companies. <http://www.pensionsage.com/pa/south-yorkshire-pension-fund-divests-from-pure-coal.php> Nov 23rd
- <sup>33</sup> Pension Funds Online, 2016. Haringey to invest £200m in green fund. <http://www.pensionfundsonline.co.uk/content/pension-funds-insider/investment/haringey-to-invest-200m-in-green-fund/2038>. Jan 21st

- <sup>34</sup> <https://www.foe.co.uk/news/local-campaign-group-helps-make-divestment-history>
- <sup>35</sup> <http://www.businessgreen.com/bg/news/3001193/southwark-council-pension-fund-promises-to-divest-from-fossil-fuels>
- <sup>36</sup> <http://www.pionline.com/article/20170126/ONLINE/170129886/hackney-pension-fund-to-reduce-fossil-fuel-equity-exposure-by-50>
- <sup>37</sup> <https://gofossilfree.org/uk/major-investment-manager-bmo-divests/>
- <sup>38</sup> Reuters, 2015. Carbon limits to put \$2 trillion of coal, oil, gas projects at risk: report. <http://www.reuters.com/article/us-climatechange-energy-idUSKBN0TE01B20151125#Bcht8Ct8sDwzwsHw.99> . Nov 24<sup>th</sup>.
- <sup>39</sup> <https://peopleandplanet.org/blog/2017-08-17/fossil-fuel-divestment-state-sector>
- <sup>40</sup> <https://www.medact.org/2014/news/uk-doctors-vote-end-investments-fossil-fuel-industry/>
- <sup>41</sup> <https://www.churchofengland.org/media-centre/news/2015/04/national-investing-bodies-and-transition-to-a-low-carbon-economy.aspx>
- <sup>42</sup> <https://www.theguardian.com/environment/2017/oct/03/catholic-church-to-make-record-divestment-from-fossil-fuels>
- <sup>43</sup> <https://gofossilfree.org/uk/tuc-backs-divestment/>
- <sup>44</sup> <http://platformlondon.org/2017/06/23/unison-pensions-divestment/>
- <sup>45</sup> <https://www.theguardian.com/environment/2017/may/08/50-mps-back-fight-divest-parliament-pension-fund-fossil-fuels>
- <sup>46</sup> For example Blackrock Developed Equity ex Fossil Fuel Fund, Alliance Trusts Sustainable Futures Funds, First State Asia Pacific Sustainable Fund, Schroders Global Climate Change Fund; plus the Legal and General has developed a low carbon fund for the Environment Agency Pension fund. These examples do not constitute investment advice.
- <sup>47</sup> [https://www.msci.com/resources/factsheets/index\\_fact\\_sheet/msci-acwi-ex-fossil-fuels-index-gbp-gross.pdf](https://www.msci.com/resources/factsheets/index_fact_sheet/msci-acwi-ex-fossil-fuels-index-gbp-gross.pdf) , accessed 24 Jan 2017
- <sup>48</sup> <http://us.spindices.com/indices/equity/sp-global-1200-fossil-fuel-free-index-usd>
- <sup>49</sup> <http://us.spindices.com/indices/equity/sp-global-1200>
- <sup>50</sup> <http://www.ftse.com/products/indices/climate-balanced-factor>
- <sup>51</sup> <http://www.legalandgeneralgroup.com/media-centre/press-releases/press-releases.asp?newsid=2973>
- <sup>52</sup> <https://www.minutes.haringey.gov.uk/>, Pensions Committee and Board, 20<sup>th</sup> July 2017, agenda reports pack
- <sup>53</sup> Europeans for Divest Invest [divestinvest.org/europe/](http://divestinvest.org/europe/).
- <sup>54</sup> <http://communityreinvest.org.uk/wp-content/uploads/2016/03/Reinvesting-Pensions.pdf>
- <sup>55</sup> Shareaction, 2016. Shell: <https://shareaction.org/wp-content/uploads/2016/05/Analysis-ShellClimateReporting2016.pdf>;
- and BP: <https://shareaction.org/wp-content/uploads/2016/04/Ananalysis-BPClimateReporting2016.pdf>
- <sup>56</sup> <https://shareaction.org/resources/analysis-of-shells-2017-remuneration-policy/>
- <sup>57</sup> <https://shareaction.org/resources/analysis-of-bps-2017-remuneration-policy/>
- <sup>58</sup> <https://shareaction.org/wp-content/uploads/2017/10/InvestorReport-AimingForA-Shell.pdf>
- <sup>59</sup> Also see Friends of the Earth, 2014. Shell, climate change and the carbon bubble [www.foe.co.uk/sites/default/files/downloads/shell-carbon-bubble-46523.pdf](http://www.foe.co.uk/sites/default/files/downloads/shell-carbon-bubble-46523.pdf).
- <sup>60</sup> See Bright Now, 2015. Otherwise Engaged . <http://brightnow.org.uk/wp-content/uploads/2013/08/Otherwise-engaged-is-church-engagement-with-fossil-fuel-companies-working-or-is-it-time-to-disinvest-for-web.pdf>
- <sup>61</sup> See [gofossilfree.org/commitments/](http://gofossilfree.org/commitments/)
- <sup>62</sup> Aviva, July 2015. Aviva's strategic response to climate change. [www.aviva.com/media/thought-leadership/climate-change-value-risk-investment-and-avivas-strategic-response/](http://www.aviva.com/media/thought-leadership/climate-change-value-risk-investment-and-avivas-strategic-response/).
- <sup>63</sup> Impax Asset Management, 2016. Op.cit.
- <sup>64</sup> <http://www.legalandgeneralgroup.com/media-centre/press-releases/press-releases.asp?newsid=2973>
- <sup>65</sup> <http://www.carbontracker.org/report/engaging-for-a-low-carbon-transition/>
- <sup>66</sup> This briefing is from Friends of the Earth Trust <https://www.foe.co.uk/funding-and-governance/friends-earth-trust>