

## FOI Office

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**From:** The Principal  
**Sent:** 10 November 2014 23:13  
**To:** Maggie Cusack  
**Cc:** David Newall (Secretary of Court); Daniel Koehn; Roderick Brown; David Brown; Brian Bell; Martin Lee; Paul Younger; John Marsh; Rob Ellam; David Fearn  
**Subject:** RE: Oil & Gas CDT update

Dear Maggie

I am delighted that the outcome has been positive. Many thanks to you and colleagues involved with the CDT for your patience. Please do let me know if any further issues arise.

With best regards

Anton

Professor Anton Muscatelli FRSE AcSS  
Principal and Vice-Chancellor  
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The University of Glasgow, charity number SC004401

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## FOI Office

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**From:** The Principal  
**Sent:** 21 October 2014 22:08  
**To:** Paul Younger ✓  
**Cc:** Sarah Fogarty ✓  
**Subject:** Meeting

Dear Paul

I was keen to meet with you to discuss the issue of fossil fuel disinvestment and to reassure you about the University's commitment to supporting research in this area.

I know that you and colleagues have met with David Newall in my absence last week, but nevertheless it would be good to meet to discuss your concerns.

I'll ask Sarah to contact you to see if you are available tomorrow (Wed) or as soon as possible.

Best regards

Anton

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Sent from my iPhone

Professor Anton Muscatelli  
Principal and Vice-Chancellor  
University of Glasgow  
Glasgow G12 8QQ  
Tel: 0141 330 5995

## Clare McMullan

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**From:** Paul Younger  
**Sent:** 19 November 2014 15:43  
**To:** [REDACTED]  
**Cc:** [REDACTED]; Zhibin Yu (Zhibin.Yu@glasgow.ac.uk); Nader Karimi; Daniel Koehn; David Brown; Roderick Brown; Maggie Cusack; John Marsh (John.Marsh@glasgow.ac.uk); Bill Stewart (Bill.Stewart@glasgow.ac.uk); Simon Wheeler; Ameet Pinto; Manousos Valyrakis; Caroline Gauchotte-Lindsay; William Sloan; [REDACTED]  
Zhiwei Gao; Andrew Cumbers; Joseph Murphy; Andrew Knox; Angela Busse; Matteo Ceriotti; Patrick Harkness; Margaret Lucas; Willy Maley; Fiona Dunn; [REDACTED]  
Colin McInnes; [REDACTED]  
[REDACTED]  
Calum Cossar; Ian Watson; Liz Tanner (Elizabeth.Tanner@glasgow.ac.uk); Marco Vezza; Trevor Davies; Trevor Hoey; David Fearn (David.Fearn@glasgow.ac.uk); Muffy Calder; Donald Ballance; John Davies (John.Davies@glasgow.ac.uk); Nikolaj Gadegaard; Peter Grassl; Safa Hashim; Murray Ireland; Murray Pittock; Thomas Franke; The Principal; Graham Green; Chris Pearce; James Sharp; John Briggs; Kelian Zhou; Andreas Borggrafe; Marion Hersh; Shengrong Bu; Peter Aitchison; Ross Barker; Anthony Kelly; Anthony Gloyne; Don Spaeth; Shona Masson; Catriona Macisaac; Roibeard O Maolalaigh; Lynne Brown (Lynne.Brown@glasgow.ac.uk); Ross Campbell; Stuart MacQuarrie  
**Subject:** A free glass of wine and a blether about a book ...  
**Attachments:** Energy book launch 27-11-2014.pdf

**Follow Up Flag:** Follow up  
**Flag Status:** Flagged

Dear Colleagues

In case you haven't heard about it through other channels:

I'd be delighted if you can make this wee event (see attached) a week come Thursday (27<sup>th</sup> Nov).

Please pass on the invitation to anyone else you think might be remotely interested.

Best wishes / dùrachdan

Paul Y

Professor Paul L Younger FEng  
Rankine Chair of Engineering and  
Professor of Energy Engineering  
School of Engineering  
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Email: [paul.younger@glasgow.ac.uk](mailto:paul.younger@glasgow.ac.uk)

Web: <http://www.gla.ac.uk/schools/engineering/staff/paulyounger/>

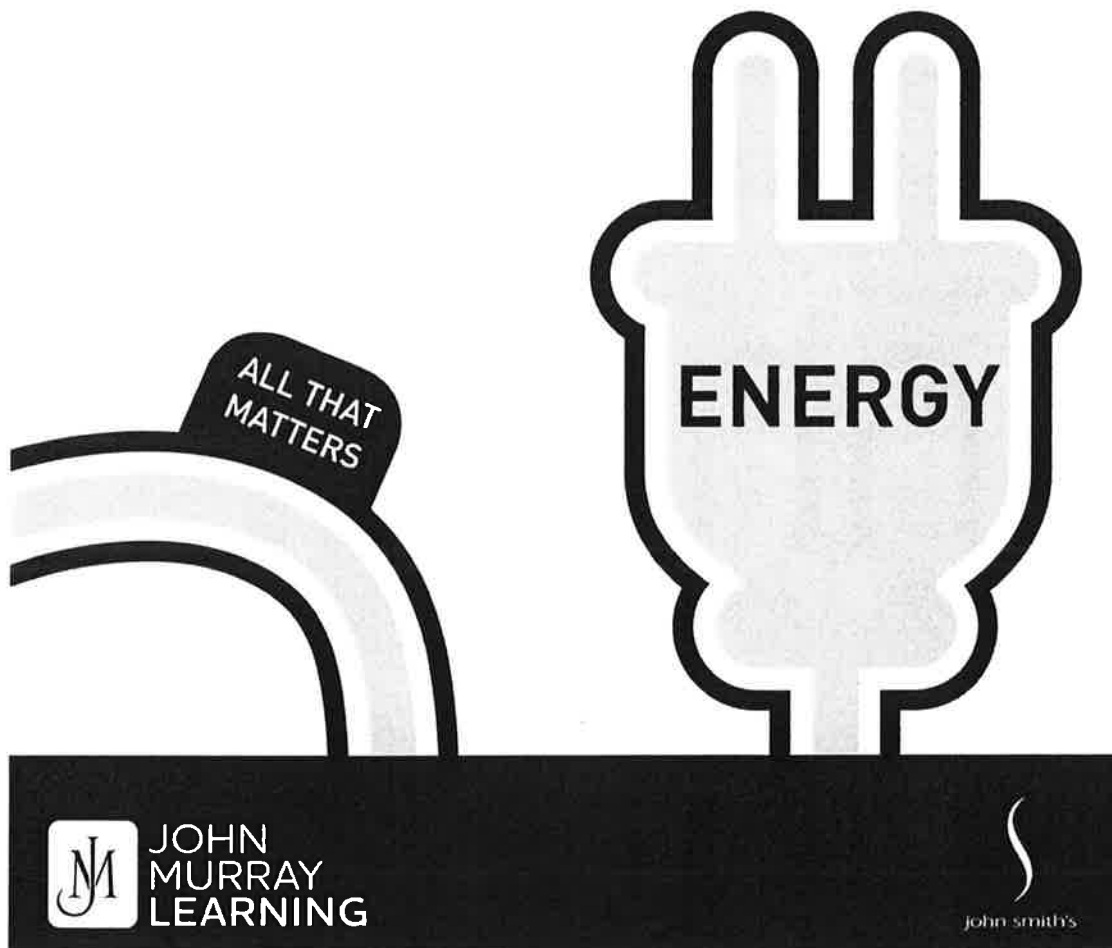
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# Book Launch

Energy: All that Matters  
by Prof Paul Younger FREng, University of Glasgow

**27th November 2014, 5:30pm-7:30pm**  
**Free wine reception**

John Smith's Bookshop, Fraser Building,  
University of Glasgow Campus,  
65 Hillhead St, Glasgow G12 8QF



**Clare McMullan**

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**From:** Paul Younger  
**Sent:** 10 November 2014 21:24  
**To:** Maggie Cusack; The Principal  
**Cc:** David Newall (Secretary of Court); Daniel Koehn; Roderick Brown; David Brown; Brian Bell; Martin Lee; John Marsh; Rob Ellam; David Fearn  
**Subject:** RE: Oil & Gas CDT update

Thanks Maggie

This is a great relief.

Paul

-----Original Message-----

**From:** Maggie Cusack  
**Sent:** 10 November 2014 21:23  
**To:** The Principal  
**Cc:** David Newall (Secretary of Court); Daniel Koehn; Roderick Brown; David Brown; Brian Bell; Martin Lee; Paul Younger; John Marsh; Rob Ellam; David Fearn  
**Subject:** Oil & Gas CDT update

Dear Anton (copied to David and O&G CDT folk) I received an email from [REDACTED] in which he stated the following:

\*\*\*\*\*

I wanted to let you know that the CDT Industry Advisory Board and the CDT Management Board have both now convened and it was agreed that original partnership that won the bid remains in tact.

I am very grateful to you in reacting so promptly and to your Principal in responding in such a clear and positive manner as the letter was an extremely timely and helpful.

\*\*\*\*\*

This is a good outcome for the CDT and I am grateful to [REDACTED] collegiate approach and determination to make this work with the original partners.

I appreciate that this is not the only issue but wanted to report update to all involved in the CDT.

Maggie

-----  
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The University of Glasgow, charity number SC004401

## Clare McMullan

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**From:** Paul Younger  
**Sent:** 07 November 2014 08:03  
**To:** The Principal  
**Subject:** Energy Futures initiative

Dear Anton

I gather we are now meeting with [REDACTED] on 17<sup>th</sup> Sept, so I asked him to let me have sight of the suggestion you mentioned he'd made to you regarding an "energy futures" initiative. I have now read that with interest. I think the way [REDACTED] has framed the concepts is attractive and stimulating.

As I think I mentioned when we met, with the encouragement of Miles Padgett I had already been canvassing feelings about a possible campus-wide theme on energy, minimisation of its environmental impact and maximisation of social benefits. We had interest from the Business School and the Dumfries campus as well as the 'usual suspects' in Engineering and Geog & Earth Sci. While there was interest in the concept, the general feeling was that we would be unlikely to get anywhere without resource, so that we could actually work together rather than just talking about it. Hence we had begun the usual process of thinking about how best to access external resources. The lion's share of the early effort was inevitably falling to me, so it inevitably had to join the queue behind other pending proposals, mentoring ECRs and my current teaching commitments.

It seems to me that the now-pressing need to showcase our energy research to the world could do with pump priming if we are to realise our hopes on anything less than a timescale of several years. Bearing in mind that you said you might be able to identify some in-house funds to help with such an initiative. I have been taking soundings on the concept, and we have the following proposition to make. We think it would greatly catalyse things if we could appoint an Energy Futures Fellow, with the remit to work with experienced PIs from the relevant disciplines do three things:

- Undertake inter-disciplinary research at the interface between engineering, environmental studies and economics – especially as regards fuel poverty. The idea would be that they focus on future scenarios at whole-system scale, looking at grid integration challenges and their articulation with socio-economic and environmental issues.
- Engage with the principal sectors in the sector (e.g. resource development companies, generation and distribution companies, regulators and end-users), using Scotland as the paradigmatic 'laboratory' in the first instance: we actually have a particularly acute set of the world's generic issues right here on our doorstep, so can do work with global impact using national-level case-studies.
- Work-up major proposals (such as to the ITN facility of Horizon 2020 and the relevant RCUK Energy Programme calls) to perpetuate and expand the Energy Futures initiative in the longer term.

Given these duties, we would need an experienced postdoc (Grade 7 realistically), and we would propose appointing them for an initial period of four years, to make the post attractive enough to someone to relocate.

If we can find a way of pump-priming this, I think we have a real opportunity to put the recent ructions behind us and project a positive, future-facing image for our university in the energy space. I look forward to discussing this with you in due course.

Best wishes

Paul Younger

Professor Paul L Younger FEng  
Rankine Chair of Engineering  
and  
Professor of Energy Engineering  
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## Clare McMullan

---

**From:** Paul Younger  
**Sent:** 03 November 2014 12:40  
**To:** Laura McGarry; Adrienne Scullion; [REDACTED]; [REDACTED]; 'Alistair Gray'; Anne Anderson; 'Bob Downes'; [REDACTED]; Catherine Schenk; [REDACTED]; [REDACTED]; 'Kenneth Calman'; [REDACTED]; [REDACTED]; Miles Padgett; Muffy Calder; [REDACTED]; Murray Pittock; Naveed Sattar; [REDACTED]; 'Peter Hutchison'; [REDACTED]; 'Philip Schlesinger'; Ronald MacDonald; Sayantan Ghosal; The Principal; [REDACTED]; William Sloan  
**Subject:** RE: Adam Smith Club Dinner, 6 November 2014

Dear Laura

Unfortunately I have ended up with a meeting chairing duty in Nottingham which I can't escape from in time to return for the dinner, so I shall not be able to make this Thursday's meeting after all. I am really sorry about this as I greatly enjoyed the last one.

I hope the event goes well

Best wishes

Paul Y

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Professor of Energy Engineering  
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---

**From:** Laura McGarry  
**Sent:** 03 November 2014 12:28  
**To:** Adrienne Scullion; [REDACTED]; [REDACTED]; 'Alistair Gray'; Anne Anderson; 'Bob Downes'; [REDACTED]; Catherine Schenk; [REDACTED]; [REDACTED]; 'Kenneth Calman'; [REDACTED]; [REDACTED]; Miles Padgett; Muffy Calder; [REDACTED]; Murray Pittock; Naveed Sattar; [REDACTED]; Paul Younger; 'Peter Hutchison'; [REDACTED]; 'Philip Schlesinger'; Ronald MacDonald; Sayantan Ghosal; The Principal; [REDACTED]; William Sloan  
**Subject:** RE: Adam Smith Club Dinner, 6 November 2014

Dear all

I have noted the following people as attending the Adam Smith Club dinner on Thursday 6 November:

Adrienne Scullion

[REDACTED]



Miles Padgett  
Muffy Calder  
Murray Pittock  
[REDACTED]  
Paul Younger  
Ronald MacDonald  
[REDACTED]

If you are planning on attending and your name is not on this list then please let me know as soon as possible as our Hospitality Services require final numbers today.

Kind regards  
Laura

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**From:** Laura McGarry  
**Sent:** 21 October 2014 10:26  
**To:** Adrienne Scullion; [REDACTED]; [REDACTED]; Alistair Gray; Anne Anderson; Bob Downes; [REDACTED]; Catherine Schenk; [REDACTED]; [REDACTED]; Kenneth Calman; [REDACTED]; [REDACTED]; Miles Padgett; Muffy Calder; [REDACTED]; Murray Pittock; Naveed Sattar; [REDACTED]; Paul Younger; Peter Hutchison; [REDACTED]; Philip Schlesinger; Ronald MacDonald; Sayantan Ghosal; The Principal; [REDACTED]; William Sloan  
**Subject:** Adam Smith Club Dinner, 6 November 2014

**SENT ON BEHALF OF PROFESSOR MURRAY PITTOCK**

\*\*\*\*\*

Dear Members,

I am writing to ask if you are able to attend the dinner on 6 November at 6.30 for 7 in the Melville Room, when [REDACTED] will be speaking on the estates master plan. Please could you RSVP in the usual way by email to Laura by Friday, 31 October, to enable us to plan for numbers.

The Minutes from the last meeting are attached, as some of you have kindly expressed an interest in seeing them.

Best wishes,

Murray

Professor Murray Pittock D. Litt. FEA FRHistS FRSA FRSE  
Secretary, Adam Smith Club  
Vice-Principal & Head of the College of Arts  
6 University Gardens,  
University of Glasgow G12 8QH  
Scotland.

PI, AHRC Connected Communities: Georgian Glasgow and the Creation of Memory:

<http://www.gla.ac.uk/georgianglasgow/>

CI, AHRC Editing Robert Burns for the 21st century

[\(http://www.gla.ac.uk/schools/critical/research/researchcentresandnetworks/robertburnsstudies/editingrobertburnsforthe21stcentury/\)](http://www.gla.ac.uk/schools/critical/research/researchcentresandnetworks/robertburnsstudies/editingrobertburnsforthe21stcentury/)

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## Clare McMullan

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**From:** Paul Younger  
**Sent:** 21 October 2014 11:22  
**To:** Laura McGarry; Adrienne Scullion; [REDACTED]; Alistair Gray; Anne Anderson; Bob Downes; [REDACTED]; Catherine Schenk; [REDACTED]; [REDACTED]; Kenneth Calman; [REDACTED]; Miles Padgett; Muffy Calder; [REDACTED]; Murray Pittock; Naveed Sattar; [REDACTED]; Peter Hutchison; [REDACTED]; Philip Schlesinger; Ronald MacDonald; Sayantan Ghosal; The Principal; [REDACTED]; William Sloan  
**Subject:** RE: Adam Smith Club Dinner, 6 November 2014

I shall be there with my hair in a braid!

Paul Y

## FOI Office

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**From:** Paul Younger  
**Sent:** 10 October 2014 16:55  
**To:** Christine Forde; Marie Freel; Nicholas Jonsson; Karen Lury; Duncan Ross; Don Spaeth  
**Cc:** 'fin.stuart@glasgow.ac.uk'; Roderick Brown; Adrian Boyce; Robert Ellam; Colin McInnes; David Newall (Secretary of Court)  
**Subject:** Court decision on fossil fuels  
**Attachments:** FW: Glasgow Univ's divestment from fossil fuels

Dear Academic Members of the University Court


On behalf of the academic staff named below (and copied in) I am writing to express our dismay at the conduct and outcome of the recent Court debate and resolution on the issue of fossil fuels. We held a lengthy meeting this morning with David Newall who (along with Prof Freel) served on the Court working group, and at that meeting we indicated we would likely write to you, as fellow academics of ours who serve on Court, to make some key points. I should first preface these remarks by saying that I was previously a Pro-Vice-Chancellor at Newcastle University, so have plenty of experience of governance and executive decision-making processes in Russell Group universities.

First and foremost is the utter failure to consult directly those academics whose work is most affected by this decision. As the university's Professor of Energy Engineering this is particularly acute in my case, but many other staff whose job titles do not obviously relate to the energy sector (e.g. the under-signed) are nevertheless critically involved in research relating both to improving the environmental performance of the fossil fuel sector AND transferring its technologies and skills into renewables fields. We cannot achieve either aim by going to war with the sector. To imagine (as the comment that closes the penultimate paragraph on p. 6 of the 25<sup>th</sup> June Court minutes does) that there are two utterly separate energy sectors out there - one 'good' (renewable) and the other 'evil' (fossil fuels) - betrays a total lack of appreciation of how the industry actually works. Had you only asked us we could have explained all of this. For example, only on Wednesday I was with a postgrad student of ours at a hydropower station ('good') where we also discussed with staff the same company's attempts to improve energy efficiency (and therefore reduce carbon emissions) at one of their fossil-fuel power stations ('evil'). These may seem like nuances to the uninitiated, yet they are crucial to how the energy sector actually works: for instance, we can't have jack-up rigs to install offshore wind turbines without fossil-fuelled ships (no other fuel can do that work ...), jack-up rigs hired from the oil sector, and oilfield-safety trained staff to use them. The simple, binary black-and-white world which GUCAS portray in their well-meaning but naïve propaganda (which Court has bought so uncritically) is a parody of reality. I could multiply examples, but the key point is this: it seems to all of us outrageously inconsiderate not to have consulted professors who actively work in the area affected when making a decision such as this. It is deeply hurtful and highly damaging to our confidence in, and sense of commitment to, our university. When I served on the equivalent body to Court in Newcastle, I would not have dreamt of supporting a line of enquiry that could critically affect our standing in, say, history, TV and Film, endocrinology, or animal welfare, without consulting the academic experts in those fields. That to me is inconceivable; yet that is precisely what I have just experienced at your hands. Indeed there is surely a matter of justice at stake here, in that not a single Senate Member of Court came from the College of Science and Engineering, yet a decision has been made that mostly affects the stakeholder relations of that College - with no one to put our case.

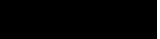
Secondly, the claim that the decision is a simple ethical matter, analogous to previous ones on tobacco (or previous ones that should have been made on apartheid) is specious. Ethics in relation to fossil fuels are complex and multi-dimensional. To give just one major omission from your ethical considerations, let's consider fuel poverty. One region of Scotland actually boasts the worst fuel poverty in Europe - that is the only region (Western Isles) which has no connection at all to the gas grid. Adjoining regions are nearly as bad - their statistics ameliorated only by the presence of the gas grid in some urban centres to the east. So those of our fellow citizens who do not have access to fossil fuels for their heating and hot water (about 18% of our population) stand a 50% to 80% chance of being in fuel poverty. Those who are connected to the gas grid (82% of us) are far more fortunate - "only" 24% of them are in fuel poverty. In Glasgow right now, we are working on schemes to retro-fit gas-fired CHP systems into tower blocks to relieve the poorest of our fellow citizens from the fuel poverty to which their previous electric heating condemned them (electric heating being far less efficient - and thus far more expensive - than gas). Yet as 65.5% of electricity in Scotland is non-fossil, whereas gas is 100% fossil, the logic of the position the University has now

publicly boasted of (thanks to the vote of Court) would be to deny these people gas-fired heating, and thus to insist they remain in fuel poverty. As you can surely now appreciate, the ethics of fossil fuels cannot simply be reduced to the climate change imperative, however important that is. (Our research concerns, inter alia, the prospect of replacing gas with geothermal in the longer term, but we are still decades from that being widely available; should we leave the poorest Glaswegians in fuel poverty till we are done with our research?).

Thirdly is the glib claim that the university does not get much research income from the hydrocarbons sector, so it is OK to ruin our credibility with that sector. This is simply untrue. At this present moment, delicate negotiations are underway for many millions of pounds worth of equipment and staff time from fossil fuel companies – much of it focused on helping them minimise their fugitive emissions of greenhouse gases and develop carbon capture and storage. Funding from NERC, EPSRC and the Scottish Government, that is helping us to help these companies make these transitions has already been called into question by those managing the funds. There is a very severe risk that these grants will not now be awarded, since we have just so publicly signalled our opprobrium of the entire sector.



Fourthly, many of our current students across a wide range of disciplines would – until now – have been sought for employment by firms that (inter alia) work in the fossil fuels sector. A vast host of our alumni already work in these companies. It remains to be seen whether these employers will be willing to return to recruitment fairs on our campus in future. Early indications are not encouraging. Court is apparently unaware that Glasgow has the leading profile in geomatics training in Scotland, with many of our graduates working as surveyors in the Scottish offshore sector. There is not a separate “fossil” and “renewable” offshore sector – the latter absolutely relies on the former, and will do for decades to come. The firms that recruit surveyors serve both sectors. Maybe they will now prefer to recruit from the main competitor down the road in Newcastle ....

Since Court broadcast its decision on this matter to the media before even taking the time to inform the Heads of the Schools most affected by it, we have felt obliged to respond in the public arena. We sent a letter to the Guardian yesterday (attached) which may yet be published tomorrow. The final sentence of that letter contains a message specially for the six of you, which I would be obliged if you would read, whether or not it is published. We also released a commentary through the Science Media Centre in London, which has had extensive uptake ([www.sciencemediacentre.org/expert-reaction-to-the-university-of-glasgows-decision-to-divest-from-fossil-fuels/](http://www.sciencemediacentre.org/expert-reaction-to-the-university-of-glasgows-decision-to-divest-from-fossil-fuels/)). (Indeed while I was writing this  from The Times called me about it). In this way, we are trying to salvage what remains of our standing in the energy sector, but have doubts as to how successful we will be.

I truly hope that Court does not visit some similar calamity on your disciplines in future.

Have a pleasant weekend.

Best wishes

Paul Younger

per and pro:

Professor Paul Younger FEng - Rankine Chair of Engineering and Professor of Energy Engineering  
Professor Colin McInnes FEng - James Watt Chair and Professor of Engineering Science  
Professor Fin Stuart - Professor of Isotope Geosciences  
Professor Rob Ellam - Director, Scottish Universities Environmental Research Centre  
Professor Adrian Boyce - Professor of Applied Geology  
Professor Roderick Brown - Professor of Earth Sciences

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Rankine Chair of Engineering, and

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## FOI Office

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**From:** Paul Younger <Paul.Younger@glasgow.ac.uk>  
**Sent:** 10 October 2014 16:09  
**To:** 'paul.younger@gla.ac.uk' (paul.younger@gla.ac.uk)  
**Subject:** FW: Glasgow Univ's divestment from fossil fuels

-----Original Message-----

From: Paul Younger  
Sent: 09 October 2014 16:39  
To: Letters [<mailto:guardian.letters@theguardian.com>]  
Cc: 'fin.stuart@glasgow.ac.uk'; Robert Ellam; Adrian Boyce; Colin McInnes  
Subject: RE: Glasgow Univ's divestment from fossil fuels

Dear Editor

We write as senior academics at the University of Glasgow, who actively research the decarbonisation of energy, to deplore the decision of our University Court to divest from fossil fuels (Guardian 9th October 2014). The Court's position is vacuous posturing, since alternatives to fossil fuels are not yet available at scale for heat and transport, or for electricity production on demand. Indeed, our University has just committed itself to a new gas-fired campus heating system, not least because the only current renewable alternative (biomass) had a far poorer environmental profile. The skills and facilities of the hydrocarbons sector - many of whom are our alumni - are indispensable to the development of carbon capture and storage (CCS), without which the IPPC considers there is no chance of the world achieving emissions reduction targets. CCS also offers the only sizeable prospect for actively stripping greenhouse gases from the atmosphere. Moreover, most food consumed in Europe today relies on nitrogen produced from hydrocarbons, and they are also the raw materials for the vast array of plastics our society demands - many of which can lock-up fossil carbon for centuries. Again, no alternatives yet exist at scale. To pretend otherwise is intellectually dishonest. We trust that those academic colleagues who voted for this gesture yesterday have today had the moral consistency to turn off the heating in their offices (entirely fossil-fuelled) and to switch off their computers and room lights for the 34.5% of the working day that fossil fuels provide electricity in Scotland.

Yours faithfully

Professor Paul Younger FEng - Rankine Chair of Engineering and Professor of Energy Engineering  
Professor Colin McInnes FEng - James Watt Chair and Professor of Engineering Science  
Professor Fin Stuart - Professor of Isotope Geosciences  
Professor Rob Ellam - Director, Scottish Universities Environmental Research Centre  
Professor Adrian Boyce - Professor of Applied Geology

(Sent by Paul Younger on behalf of the aforementioned).

Professor Paul L Younger FEng  
Rankine Chair of Engineering, and  
Professor of Energy Engineering  
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