

THE Fueller

The official journal of The Worshipful Company of Fuellers

Issue 61 December 2020



On this site from 1769 to 1963
stood The Coal Exchange,
the market place for the
trading of all coal and
related products.

This plaque was unveiled
on 6th July 2020
by HRH The Earl of Wessex KG GCVO
Master of the Worshipful Company of Fuellers,
with funds donated by
The Coal Meters Committee.

Celebrating an
important element
of UK industrial and
economic history

Installation...but not as we know it

Ground Hog day and silver linings

EY insights

The UK to lead the globe's green
recovery?

Giving Back

Our Trust strives forward through
a year of adversity



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EY

Building a better working world

Editor's note

KEVIN HEIGHWAY-CORCORAN EDITOR

Many will breathe a sigh of relief as we march on toward 2021 with some degree of optimism.... in the US there is hope of a \$2tn investment in green energy as well as the prospect of building bridges with the Paris Climate Accord, vaccines are now showing encouraging immune response and a 10-point plan to kickstart the Green Industrial Revolution has been unveiled. All very much welcomed news in these exceptional times – a time when even the Oxford Dictionary declared its word of the year as “climate emergency” defined as “a situation in which urgent action is required to reduce or halt climate change and avoid potentially irreversible environmental damage resulting from it”.

However, back to optimism...what a year we've had...we've been agile and adapted, we've 'Zoomed' and 'Teamed', blogged and filmed like never before and valiantly continued to embrace our Royal Year through adversity – a Royal year that is set to continue as graciously agreed to by our Royal Master, HRH the Earl of Wessex.

In this final Fueller of 2020 we convey the majestic Installation Court, we recognise the Coal Exchange that stood from 1848 to 1963 and celebrate the continued endeavours of the Charitable Trust Fund (CTF) striving forward to raise funds for the charities we support throughout a year beset by lockdowns.

Finally, I'm sure you'll join me in thanking Past Master Paul Cuttill OBE for his dedication as Fixed Term Chairman, GPC, who after an incredibly efficacious term, hands the reigns over to our new incoming Fixed Term Chair, Past Master John Ingham – John we look forward to your continued development and wellbeing of the Company.

As always, huge thanks to EY who design The Fueller as part of their sponsorship of Fuellers Conversations and the Fueller...which leaves me just to wish you all a very safe and Merry Christmas and prosperous New Year.



KEVIN HEIGHWAY-CORCORAN

Join the conversation

@WCoFuellers

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Welcome from our Deputy Master

Good Things Come to Those Who Wait

What a year 2020 has turned out to be. I certainly didn't expect to be writing this as Deputy Master in November 2020 exactly one month after the anticipated Installation Court that would have moved me on to Immediate Past Master.

However, if it really is true that 'good things come to those who wait', then we all deserve dramatically good things to come to us, as, again, we find ourselves waiting for face-to-face activities to restart.



Professor Averil Macdonald, OBE

Looking forward, we can take pride in our Royal Year that has proven sufficiently successful thus far that our Royal Master, HRH the Earl of Wessex, readily agreed to continue for an extra year.

Prince Edward has talked very positively about our continued focus on our charitable activity. The six projects selected by the Charitable Trust Fund (CTF) trustees are eliciting significant interest amongst fellow Fuellers and I'm delighted to report that, already, many have felt inspired to donate. I am looking forward to further donations coming in so that the Royal Master can present our partner charities with substantial funds.

Odd as it may sound, I am also looking forward to more ZOOM and REMOTE – two words that had no meaning for me just 10 months ago. I always enjoy the fantastic atmosphere that Fuellers generate when they get together, even when constrained by the virtual world.

Trying to look forward optimistically, we have booked Mansion House for our Election Court Luncheon, HQS Wellington for Midsummer Court Dinner and Trinity House for the Affiliates event.

So, as we look forward to a 'real' Christmas, we all need to wait patiently for the good things that will certainly come.

From the clerk

WILLIAM WALWORTH, CBE



The Editor wanted optimism, so here goes...

We've booked Mansion House for Election Court on 27 April and are planning a full Fuellers programme for the rest of the year. I think back to late February, mulling over the chances of holding Election Court in April, which in retrospect was stunningly optimistic. To be fair Deputy Master was much closer with her predictions. Since then it's been interesting how the Fuellers have adapted. The first on-line meeting in February was chaotic, the consensus was 'never again'. By April, on-line Court was faultless, thank you Iain Beveridge, and we continue to adapt, like everyone else. We now intend to hold 50% of GPC and Fuellers Charitable Trust Fund (FCTF) meetings in person, the rest online and Zoom will be available at every meeting.

Early in lockdown we realised the need to work hard communicating with members. Comms Group rose to the occasion and have excelled in originating and coordinating information, well done all of you. Another unsung hero is Court Assistant Alan Dowdell who has kept recruitment going successfully, which we did not anticipate. Court Assistant Guy Sawyer is focussed on how we welcome new members, meet their needs and those of the wider membership. Recognising the challenges, quarterage and joining fines have been kept at the same rate as last year and if you have any friends considering the Fuellers, now is a good time to join, as the joining fine has been heavily discounted for the rest of the year.

We wanted 2020 to be special for FCTF and launched the Six Projects fundraising campaign on 10 October. Details can be found in the News page of the Website. The needs of the supported charities are greater than ever, and they all value our support.

We hope to see and hear you at the Christmas Party on 16 December. St Olave's choir are booked to lead the singing and there will be a couple of other Christmas surprises to get you in the mood. In the meantime, we will have to make the most of Christmas 2020. I'm planning to approach 2021 with bags of positivity and hope you appreciate optimism in your Clerk!

Happy Christmas and New Year to you all.

Bill

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An installation celebration with a difference

5 OCTOBER 2020



Senior Warden Carrie Marsh, our new Master His Royal Highness The Earl of Wessex, Deputy Master Averil Macdonald and Junior Warden Michael Shirley, Installation Court, October 2019

Averil MacDonald, Deputy Master, **Edward Wilkinson**, Father of the Company, **Carrie Marsh**, Senior Warden and **Michael Green**, Comms Group Member

October 5 should have seen the Installation of the officers to their new roles. Curiously we seem to be in some sort of Groundhog Day as the day has come and gone and the Fuellers will retain their Royal Master and all the officers remain in place. However, for every cloud there's a silver lining and COVID-19 has brought us a second year to focus our charitable efforts.

HRH the Earl of Wessex gave a relaxed speech welcoming those present in 2D. He explained the decision to extend his role as Master and that of the wardens by another year, with the hope of completing his initial aims and to give the incoming master a good start in October 2021.



Master His Royal Highness
The Earl of Wessex

Our Master continued to thank James Cripps for sewing the seeds for this format, Ian Beveridge for the IT skills to set the online event up, Carrie Marsh for her continued blog to boost morale, Paul Cuttill for all his efforts in Chairing GPC over the first fixed term of three years and announced John Ingham's future appointment as the incoming Chair of GPC. Our Master was also pleased to confirm that, despite lock down and not being able to meet or hold events in person, six new Members have joined in that time. Our Royal Master was delighted to also launch the Charitable Trust's (CTF) campaign to support our six charity projects. These include:

- Music Scholarships for talented students at [Platanos College](#), our adopted school to cover tuition and an instrument.
- Virtual STEM Days for year nine students run by [Smallpeice Trust](#)
- [Arkwright](#) Scholarships to support talented students following STEM A-levels
- [The City University](#) MSc students prize
- Work experience support for A-level students provided by [Generating Genius](#)
- [City of the Future](#) events for primary age pupils
- [Virtual Innovation Days at Home from Teentech](#) which are particularly helpful to students entering the [Teentech awards scheme](#) (that Fueller members have judged for the past three years).

The Fuellers are a young and growing Livery Company and welcome applications for membership from those working or having a significant interest in energy. With a varied social programme, ranging from formal dinners in some of the finest locations to networking events, industrial visits and energy lectures.

Introduce a friend or colleague by contacting the [Clerk](#) for an application form.

Our Royal Master is a great supporter of initiatives to support youngsters from disadvantaged backgrounds and was persuaded, in part, to support us as our Master as a result of our activities in this space.

Fuellers will soon receive more information about these projects and the opportunity to support them. Our Deputy Master, Averil MacDonald, also talked about the recent zoom events she has attended as the Livery Companies attempt to continue in various online ways. Averil also appealed to Members with local school interests to come forward as they may be able to work with the CTF to support them.

Our final speaker was Father of the Company, Edward Wilkinson, who spoke amusingly about his time as Master of the Fuellers and its first military affiliation, HMS Daedalus, which was an RNAS training centre at Lee on Solent, now part of HMS Sultan. Edward shared a framed print of HMS Daedalus, recently acquired and held proudly aloft on screen. He also shared with us a sailing war ship from the 19 century and a book on the history. His main recollection was a dinner to commemorate the standing down of HMS Daedalus in 1996. More moving was his reference to a WW2 battle success connected with HMS Daedalus. 48 Fairey Swordfish aircraft, armed with torpedoes from Malta, stopped 7 Italian warships at Taranto. "It was an amazing feat and amazingly only two Swordfish shot down in spite of all the AA guns. What I discovered from another account was that the wind had blown 60 barrage balloons away which was fortuitous! What was left of the Italian fleet moved to Naples which was regarded as a safer haven. They took little more action in WW2".

After a wonderful speech, reminiscing, our Father of the Company, we adjourned to the virtual Piano Bar. The supposed closing time came and went three times, each time a little notice appeared telling us the 'bar' will remain open for another 30 minutes — and we dutifully obliged by continuing our conversations! While we couldn't replicate the real Installation Dinner, a great time was had by all — including the new members (one dialling in from Afghanistan!)

Industry insights

As the UK rises in the RECAI rankings, could its 10-point green plan catapult it to be a leader in the globe's green recovery?



Rob Doepel, Energy Partner at EY UK

As light begins to appear at the end of the tunnel in the battle against the Coronavirus pandemic, it is now a time for governments worldwide to think deeply about a sustainable, green recovery plan.



In the UK, a sign of intent to seize this enormous opportunity to build back better has been given with the [announcement](#) of a £12b plan for a 'green industrial revolution'. The pledge comes with the UK already moving in the right direction jumping to 5th spot in EY's latest [Renewable Energy Country Attractive Index](#).

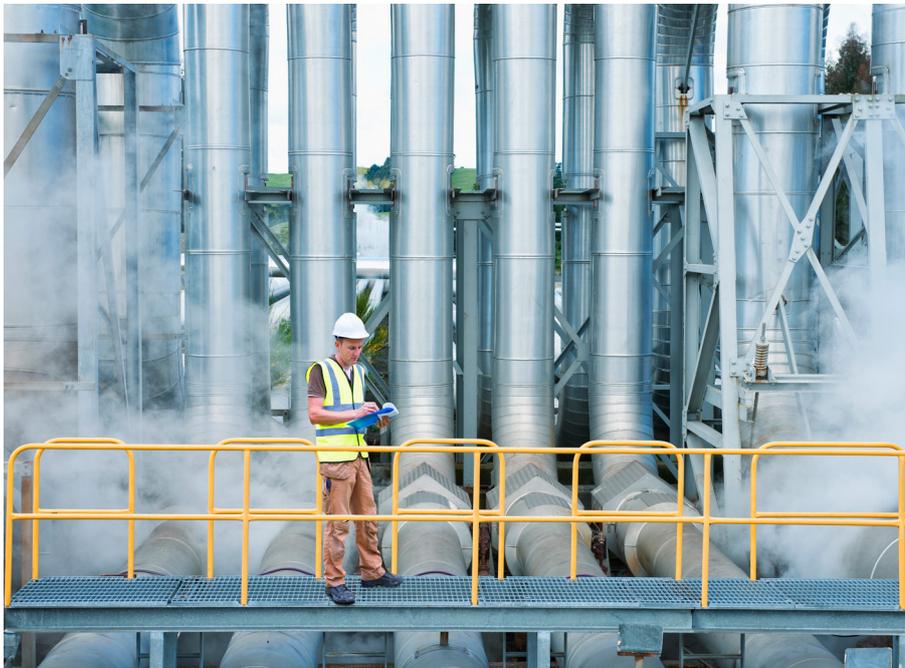
A net zero future will require bold leadership from countries to both pave the way and facilitate the low-carbon transition through not only expanding renewable energy, but also expertise, services, and equipment. In the emerging offshore wind industry, the UK is already

servicing as a bellwether as the sector goes mainstream. Britain is the global leader in installed capacity of offshore wind with around 10GW in operation off its coasts. With the government pledging to [quadruple offshore wind power](#) by 2030 to 40GW, combined with [costs falling by more than half since 2015](#), it is an exciting time for both developers and investors.

With this expansion, the UK will continue to have more offshore wind generation than any other country over the next decade. Support for the expansion is anticipated to come from the Crown Estate as they help enable this growth by providing seabed leases. Further

announcements on improvements to grid infrastructure are expected in order to enable the power to get to market. Contracts for Difference (CfD) have been an effective mechanism in the UK for supporting low-carbon electricity generation, and additional CfD rounds will maintain the attractiveness of the asset class for low cost of capital investors.

Looking globally, offshore wind capacity is expected to surge from [29GW in 2019 to 234GW](#) by 2030. British companies have already taken the technology and know-how to [15 countries](#) and are well-positioned to capitalise on the sector's breakneck growth.



To rev up the low-carbon transition, nations will need to shift into a high gear adoption of electric vehicles and rollout of infrastructure.

While the UK is not in pole position here, the sector has tremendous potential and was given a major boost from several commitments in the country's newly announced Ten Point Plan for a Green Industrial Revolution. With a ban on new petrol cars along with diesel cars and vans to come into effect in 2030, Britain has committed to investing more than **£2.8b** in electric vehicles, with plans to rapidly ramp-up charging installation points and also manufacture long-lasting batteries in UK gigafactories. Clearly, Britain has its foot on the accelerator in the EV space and will be looking to support nations seeking to catch up with the pack.

Green hydrogen's potential as a viable emissions-free alternative to fossil fuels is a topic that has captivated policymakers, businesses, and investors and is explored in depth in [RECAI 56](#). If demand can be scaled, costs reduced and production efficiency improved, green hydrogen could be a leading driver in reaching net zero. Given its enormous potential for decarbonisation, the pledge by the British government to boost hydrogen production is a huge step forward for the country's

renewables sector. The government's promise of a town heated entirely by hydrogen by the end of the decade is also telling, indicating ambition to lead innovation on green hydrogen.

The nascent carbon capture, utilisation, and storage (CCUS) sector is in its infancy with only [20 projects in commercial use globally](#). Despite being early days still, the technology is seen as being imperative for the world to meet its climate goals, with the International Energy Agency identifying CCUS as one of four key pillars in reducing emissions. It is encouraging then to see the government's Ten Point Plan includes an additional £200m for carbon capture initiatives in addition to [£800m](#) that was announced earlier in 2020.

Within the next two years, the country's largest carbon capture project will be ready and could [keep 40,000 tonnes of carbon from the air every year](#), the equivalent of taking 22,000 cars off the road. Governments and high-pollution industries will need to do more to accelerate the uptake of carbon capture, and the UK is primed to play a leading role in extending the technology to new markets.

To read further insight on this subject, please visit [ey.com/en_uk/recai](https://www.ey.com/en_uk/recai)

London has long been a leading global financial centre and the government's pledge to make the city "the global centre of green finance" reaffirms that London will stay at the heart of global finance as investment continues to go green in the coming decades.

For the past three years, London has ranked in the top three of the [Global Green Finance Index](#), which ranks 74 financial centres across the world for their public, private and non-profit investment in sustainable development projects. On the London Stock Exchange the amount raised in green bonds has almost [tripled](#) from £8 billion in 2017 to £22.4 billion this year. According to Goldman Sachs, spending on renewable power will overtake oil and gas drilling for the first time next year, with clean energy presenting a [\\$16 trillion investment opportunity](#) through 2030. Certainly, London looks set to play an integral role as green finance continues to soar.

As the world begins to emerge from the worst of the Coronavirus pandemic, a unique opportunity has presented itself for nations to reset and reinvent their energy sectors while accelerating their transition to net zero. For the UK, a nation further ahead in its net-zero journey than most, it is an opportunity to build on areas of strength, invest in innovation, and scale-up. For investors and developers, the government's plan for a green industrial revolution affirms that renewable energy is high on the agenda and there is a favourable investment climate. We will reassess how nations are seizing this opportunity in the spring 2021 edition of RECAI, but right now a number of signs point to Britain emerging as a beacon for getting the rebuild done right and catalysing the globe's green recovery.

Want to read about specific topics?
Please send your thoughts to the Editor or the Communications team.



News & views

Celebrating the Coal Exchange 6 July 2020 By Court Assistant Louise Thompson



On Monday 6 July a small, but nonetheless enthusiastic and freshly out of lockdown, group met at 100 Lower Thames Street opposite the old Billingsgate Fish Market to witness our Master HRH The Earl of Wessex KG GCVO unveil a plaque to mark the site of the Coal Exchange.



HRH The Earl of Wessex was greeted by IPM Shravan Joshi who had been the driving force in getting this plaque and the day arranged. The immediate past master introduced him, at a safe social distance, to Sheriff Chris Hayward, Deputy

of Billingsgate Ward Jamie Ingham-Clark, Honorary Chaplain The Reverend Nick Mottershead FCA, Court assistant and photographers assistant for the day Louise Thompson, photographer for the day Mira Joshi and of course our Gallant Clerk Bill Walworth.

The Rev. Nick Mottershead began by dedicating the plaque remembering those throughout history whose commitment and creativity contributed to the industrial progress that we have made and reminded us that as we now look to the future, we mustn't forget how we got there.



The Master then officially unveiled the plaque and spoke about the changes and developments in the energy sector and how enormously grateful the Fuellers are to the coal meters for their support over the years.

The plaque not only marks the site where the coal exchange stood from 1848 to 1963 but it represents an important element of UK industrial and economic history whilst acknowledging the work of the Coal Meters committee. It was, after all, members of the coal industry who started the Fuellers in the early 1980's. Since the 80's the energy market

has evolved with the goal of achieving net carbon zero on the horizon and Fuellers members now representing every sector of the market from coal, oil, gas and electricity to nuclear, hydro, solar and wind.

The coal meters committee, with declining members, took the decision to close in June 2020. Their support of the Fuellers and their contributions to the Charitable Trust Fund over the years has been invaluable and the company wanted to mark the occasion with a lasting memorial. Their generous donation to fund the plaque will ensure that the Coal Meters Committee is suitably recognized for its role in energy history. We hope that you take the opportunity to visit the plaque when you are next in the City.

Watch the address from His Royal Highness The Earl of Wessex on the occasion of the unveiling of the plaque commemorating The Coal Exchange.

Watch the blessing by our Honorary Chaplain, The Revd Nick Mottershead.

Common Hall Election of the Lord Mayor 29 September, 2020 by Senior Warden Carrie Marsh



Tuesday 29 September, Michaelmas, saw Common Hall occur once more at Guildhall London, to elect the Lord Mayor for the year ensuing. Home to the City of London Corporation for over 800 years, as you will have come to expect, changes had been made as this year was a little different due to the Coronavirus measures.

The Lord Mayor of the City of London, Alderman William Russell, was to be the first holder of that office to have served two 12-month terms since 1885, thanks to the COVID-19 lockdown that has emptied the UK capital's financial district. Having commuted on a very quiet and clean tube, been met by bicycles instead of traffic, the City felt like it was trying to wake up from a long snooze. Guildhall Yard was very quiet, a lonely check-in table with hand san, of course, but there were plenty of well-spaced and friendly staff to guide us to the Hall.

Inside Guildhall it was business as usual, with a few tweaks. Only able to accommodate one representative of each Livery Company, there were approximately 73 companies represented on the day. Despite huge swathes of carpet being visible amongst the socially distanced chairs, the Great Hall was soon buzzing with various Maters, Upper Wardens and others making the most of this rare opportunity to meet, even if it was from the confines of our seats.

I was sat near the Master Founder who recounted how their Court of about 20 had recently met for their meeting in (socially distanced) person and then walked down the street to the Church for their annual service, rightly proud that they had not missed getting to their church service in over 130 years. Master Baker was to my right with a very smart Bakers Company crest face mask. They have been doing lots of work including supporting local food banks and had even been having small groups meeting with lunch until the more recent changes to the rules. It seemed that all Companies present, including ourselves, have been rolling their sleeves up to help the fight against C-19 in various ways since March and in doing so, and meeting in this way at Guildhall, had somehow brought our various Companies even closer together. Soon silence descended as Common Hall got underway.

The Sceptre and Sword of office were brought in first, through the hall, to rest on the table in front of proceedings. The Court of Aldermen then took their places entering from the front of the hall onto the raised platform, alongside the Town Cryer and Lord Mayors Chaplain who opened proceedings with a prayer. There were no colourful processions this year, bereft of gowns and other regalia which was rather sad to see. At the same time, one could not help but feel we were a little piece of history, determined that 'business as usual' must prevail somehow.

After a short explanation of how events would be more concise this year, and the ever-important imparting of the C-19 protocols, the Town Cryer continued.

We were called to vote for the ensuing Lord Mayor. Finding ourselves in this new situation of no program on our chairs and unable to swap quiet advice with the person in the next seat, we somehow nearly, accidentally managed to put a spanner in the works with some unintended voting on our part, but this was quickly picked up and explained how proceedings were to work for this Common Hall Election, for those missing the all important written instructions issued electronically this year via their Clerk. The moment was lifted by the Sheriffs Michael Mainelli and Christopher Hayward looking with mock despair at the Livery present and emulating a game of 'Rock, Paper, Scissors' as they approached the table to confirm the result.

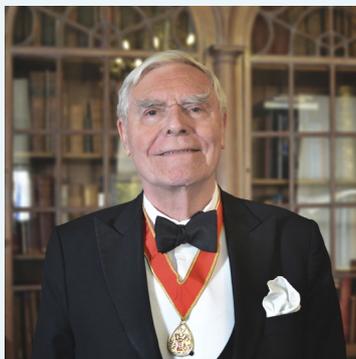
But fear not, all was in hand and Alderman William Russell was confirmed as the Lord Mayor of London for the ensuing year. He said a few words to accept the role and to thank those present and of course the Lady Mayoress for her continued support into the second year. Shortly after, Common Hall was concluded. We duly sat in our seats while the Hall was cleared. As we left by a different exit, all keeping our distance and in file, we were met by a gloriously sunny day in the City. Several little groups went to find their lunch, in groups of six of course, and in no time, the streets were empty again.



Socially distanced Common Hall

Catch up on all the news at fuellers.co.uk/news

Giving back



**Past Master, Stuart Goldsmith,
Chairman of the Charitable Trust Fund**

The Royal Master's year was always intended to be one in which the Trust adopted and raised funds for a number of special projects by the charities that we support regularly, but we did not expect to be doing it in a year which included two periods of lock-down! Details of the six projects that we undertook to support are on [page TBC]. The result so far has been excellent with nearly £10,000 donated and all the projects are under way.

The new Arkwright Scholar, the first Platanos Music Scholar and the City University prize winners, will all be announced shortly. Some of the projects had to be reinterpreted for a lock-down scenario. TeenTech originally had a packed diary of large-scale Festival Days, in-school workshops and Innovation Days for 2020. When schools closed, TeenTech quickly responded with two 'TeenTech at Home' programmes, with students then being inspired to work on projects at home. Generating Genius moved most of their programmes and activities to virtual platforms. During the first lock-down they had 374 students participate in Careers Workshops, Company Insight Events, Company Challenge Competitions, STEM Masterclasses or University Preparation Workshops. Smallpeice created Engineering@Home,

The Fuellers' Charitable Trust Fund is for the relief of poverty, education, research, and assistance to those causes primarily having a direct connection with the objectives of the Fuellers Company.

a programme of engineering projects with a new challenge launched each Wednesday via their website and social media, all free of charge, linked to the national curriculum and using everyday resources found at home.

Given the continued uncertainties associated with Covid 19 the Trust is now working on identifying and supporting community energy groups who have robust and effective fuel poverty initiatives currently in action, helping people suffering because of the pandemic. Watch this space!

Thank you for your support so far; the more you donate the more projects we will be able to support.

For further information about the Fuellers' Charitable Trust Fund, please visit fuellers.co.uk/charitable-trust-fund or contact Mr Stuart Goldsmith, Past Master, Chairman.

Please support the Charitable Trust Fund so we can continue our donations in line with our mission statement. Donating couldn't be easier, just click [here](#) or visit fuellers.co.uk/charitable-trust-fund.

The Fuellers' Charitable Trust Fund. Special projects for special time.

The Fuellers' Charitable Trust fund invites you to contribute to specific projects during our Royal Master's period of office. These projects focus on supporting the education of young people, primarily from disadvantaged backgrounds, in both London and across the UK, and several provide opportunities for students to consider further education in the energy sector or energy careers.



Combines academic and professional engagement to support high-achieving BAME students from state schools across London. Takes STEM career opportunities to disadvantaged students across the UK. £50 a student for Work Experience Travel Fund Covers students' travel and basic expenses to enable them to undertake work experience which boosts their personal statements and CVs.

Interested? Follow this link
GeneratingGenius

TEENTECH

Takes STEM career opportunities to disadvantaged students across the UK. £3,000 funds a Company Innovation Day. Students visit STEM companies, speak to practicing engineers and see careers in action. £2,000 funds a City of Tomorrow Event. Offers students the opportunity to apply their knowledge of STEM to create their City of Tomorrow highlighting career pathways. **Interested? Follow this link**
TeenTech



Arkwright's scholarship programme identifies, inspires and nurtures school-age students in the engineering profession. £2,000 funds an Arkwright Scholarship. **Interested? Follow this link**
Arkwright



A leading international university committed to academic excellence and focused on business and the professions. £3,000 funds the annual Fuellers' Prizes. **Interested? Follow this link**
City University



Platanos College, where "Attitude Determines Altitude" is at the heart of the community it serves in south west London. £1,500 funds a Fuellers Music Scholarship. **Interested? Follow this link**
Platanos College



Smallpeice provides inspirational STEM activities for secondary school students across a range of engineering areas. £1,000 funds a Future Energy STEM Day. **Interested? Follow this link**
Smallpeice



Our Company's charitable support has never been more important. Although the six charities we are proposing were identified before the pandemic, the work they're doing now and in the immediate future is just as critical.

Each one of the projects is designed to help young people achieve their potential, ranging from school to masters' degree. The focus is on STEM subjects and innovation, to inspire our students to study and perhaps aim at the energy industry for their careers.

The Fuellers' Charitable Trust Fund believes we can make a real difference and has suggested ways in which certain amounts can have a positive impact on each organisation. The Trustees have made some funds available to each of the six charities to help them through this year, to ensure they can continue supporting students when it is most needed.

The projects are our opportunity to support those who may have little guidance at home. With our encouragement and financial support, we can help them reach their potential and achieve great things. Please help by following the links and guidance; you can choose to support all or be more specific. In doing so, you may well change someone's future.

Thank you.

HRH The Earl of Wessex KG GCVO

Choose your project and donate now by clicking the following link [VirginMoneyGiving](#) and leave a message specifying which project(s) you'd like to support! Alternatively contact the [Clerk](#) if you prefer to donate another way.

Help make a difference



TEENTECH



GENERATING
GENIUS



smallpeice
Dare to imagine

ARKWRIGHT
ENGINEERING SCHOLARSHIPS
part of the Smallpeice Trust

The organisation: [Generating Genius](#)

Founded by Dr Tony Sewell CBE, Generating Genius has been working for 15 years to ensure that talented and able students from BAME backgrounds are positioned to excel in STEM careers. BAME students are often stereotyped as lacking aspiration or only being interested in sport and, with limited experience to include on their CVs, are frequently overlooked when applying for professional jobs. Motivating high achieving BAME students from state schools across London, Generating Genius offers them the sort of educational enhancements that are more readily available to students in independent schools.

The project: [Work Experience Travel Fund](#)

For those aged between 16–18, students are provided with travel and basic expenses to enable them to undertake work experience with top STEM companies so that they are able to share unique experiences to talk about on their personal statements and CVs. Cost approx. £50 per student.

The organisation: [TEENTECH](#)

Founded by Tomorrow's World presenter Maggie Philbin, takes STEM career opportunities to disadvantaged students across the UK through events ranging from Festivals that bring together students from up to 50 schools across a region and up to 150 industry specialists from a wide range of companies for a day of hands-on challenges and experiments. Students in more deprived regions rarely aspire to careers in the energy sector as they have little chance of seeing, first-hand, the challenges and opportunities available to them from their STEM studies. The Fuellers have been involved in judging one of Teentech's awards for the past 3 years.

The projects:

[Company Innovation Day](#)

For those aged 14–18, covering supervision and travel for groups to visit STEM companies to see careers in action and to speak to their practicing engineers. Cost £3,000.

[City of Tomorrow](#)

For 100 pupils age 10+, an in-school day event introducing pupils to the contribution STEM makes to solving society's challenges and inviting pupils to design tomorrow's cities. Cost £2,000.

The organisation: [Arkwright](#)

Arkwright Engineering Scholarships are a Smallpeice Trust programme and consider themselves the most prestigious scholarship scheme of its type in the UK.

[The Project: Arkwright Scholarship](#)

Scholarships fund sixth-form students through their A levels, encouraging them to pursue STEM subjects at a tertiary level and to pursue careers in the field. The funding can be used to support the purchase of components and materials to enhance or complete their technical projects or to purchase textbooks, reference books or fund attendance at courses, summer schools or university open days.

A recent Fuellers' Arkwright scholar comments "The Fuellers' help and support deepened a pre-existing interest in the energy sector. Fueller events and conversations with members allowed me to meet and network with experienced professionals in their given sectors." Cost: £1,000 per year for two years.

The organisation: [City University of London](#)

A leading international university and the only university in London committed to academic excellence and focused on business and the professions.

The project: [Fuellers Prizes for Post-Graduates in the Engineering Programme](#)

Recognising the high quality of City's programme and the role it plays in preparing professionals for the energy industry, the Trust gives two prizes for the best dissertation projects in the MSc in Energy and Environmental Technology and Economics. The project topics are usually proposed by the students and refined through discussion with supervisors in the proposed areas. Qualifying projects address aspects of energy in the UK at micro or macro scale and are typically concerned with one or more key aspects of technology, environment, economics, policy and regulatory framework or societal impact. Cost: £3,000 (£2,000 1st prize and £1,000 2nd prize).

The organisation: [Smallpeice](#)

The Smallpeice Trust was founded to give young people the support they need to bring their big ideas to life through STEM. Many schools struggle to employ specialist physics teachers which can mean students rarely hear about the full range of engineering disciplines and the study and career opportunities available within these fields.

The Project: [Future Energy STEM hands-on days](#)

for up to 60 students age 14–16, an in-school day event focusing on Future Energy where students are inspired to design and build a working model and to explore the career opportunities available in energy by demonstrating the link between the classroom and the wider world. Cost £1,000/day.

The organisation: [Platanos College](#)

The school that the Trust has supported for several years, Platanos exists and works for all pupils and learners and holds an unshakeable belief that the school can make a difference and change lives.

The project: [Fuellers' Music Scholarship](#)

In September 2020, the Trust will award its first Fuellers' Music Scholarship to a Year 7 student on entry to the school, which will provide up to 35 hours of individual tuition, cover examination fees and grade syllabus books and, in the case of guitar and violin scholars, the cost of the instrument itself. It is intended that a pupil awarded the Scholarship will receive funding through their school career, subject to annual review. Cost £1,500 per pupil per year.



Stockwell Park

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'Global Carbon Pricing Dilemmas: The Road to Glasgow'

Conversation Webinars,
in association with EY

Speaker: Liveryman Ashutosh Shastri

22 April 2020



The Fuellers Conversation held online for the first time due to the lockdown initiated in the UK due to the COVID-19 outbreak on the 50th anniversary of Earth Day (April 22, 2020) had a suitably appropriate theme: Global Carbon Pricing Dilemmas: The Road to Glasgow which took stock of the status of the developments in the global carbon market, particularly the European Union Emission Trading Scheme (EUETS) the world's pre-eminent market for carbon credits.

As the rules of the global carbon market emanate from the framework agreements arrived at in the international climate conferences – the so called Conference of Parties (COP) to the UN Framework Convention on Climate Change (UNFCCC) – and along with Italy as a partner country, we are to host the COP26 in Glasgow for the first time in May 2021, the timing of this conversation was impeccable.

Another reason was also that when the EUETS was conceived in early 2000 and launched in 2005, the year 2020 was to be a landmark year when it was expected that the EUETS would not only have established itself but would have also started to position itself as the premier pricing mechanism for carbon and an anchor system around what was envisaged – a globally traded market for carbon.

As the conversation flowed, it appeared that the EUETS whilst still retaining its pole position finds its position no longer guaranteed as the world pledges to "climate neutrality by 2050" meaning "zero carbon" by 2050. The discussion on "Net Zero" is likely to be the focus of COP26.

The dilemmas, in global carbon market, are that:

1. Pre-eminent role of traded markets over carbon tax mechanisms is no longer a given

As initially believed by the global community, when creation of traded markets for emissions as opposed to a carbon tax was envisaged to be a more efficient mechanism to achieve decarbonisation in energy industries, evidence shows that traded markets do not guarantee that promised effective decarbonisation. Future mechanisms for a global carbon market are likely to be a patchwork of carbon tax regimes and emission trading schemes.

The UK itself is a case in point where its own Carbon Price Floor (a quasi-tax instrument) which was developed as a complement to the ETS when the ETS failed to deliver the investment trigger for fuel switching has enabled the UK to achieve the position of a global leader in its energy system decarbonisation.

2. The second dilemma – based on the price evolution evidence so far – is that if a globalised carbon market does indeed materialise then the discovered price of carbon is likely insufficient to trigger investments in technologies that are critical to deliver the promised "net zero" – e.g. a global carbon price of sub- $\$20/T$ of CO_2 may be insufficient to deliver investments in Carbon Capture and Storage – a technology critical to deliver net zero.

This subject is likely to consume policy makers attention in this country and in Europe, indeed, The European Commission's "green deal" policy package, which was ratified in March now commits even the European Union to achieve climate neutrality. The Commission also intends to propose more ambitious targets to cut emissions by 2030 by the middle of this year. So, watch this space!

Ashutosh's presentation and a video of the conversation is available on the [Fuellers website](#).

Read the full summary at www.fuellers.co.uk/news

The Fuellers' Conversations are regular informal events supported by EY where we continue to expand and share knowledge and understanding of the latest trends in the energy sector. They are free to attend although we do encourage everyone to consider a small donation to the Fuellers' Charitable Trust.

For information on past and future Conversations please visit www.fuellers.co.uk/members-area/conversations

Company insights

Passing the baton. Leaving a great legacy.

By Past Master Paul Cuttill OBE, outgoing Fixed Term Chairman, General Purposes Committee November 2020



I was a firm supporter of the idea that the time had come when the General Purposes Committee (GPC) needed a Chair that was in position for more than one year. It was not a unanimous view and some still disagree but as I come to the end of my term, I hope I have not done anything over the last 3 years that has gone too much against the grain!

The GPC is a hugely important institution for us, often spoken of as the Executive Committee of the Company. It certainly feels like the centre of the universe at times with so many varied issues routing through it looking for approval, resolution or just plain good old-fashioned analysis.

We each have our own style of chairing and I freely admit that mine has a ‘whiff of a benign dictator’ about it and once or twice I have had to crave forgiveness when I have got a bit tetchy. You must strive to remember that ours is a membership organisation and people give up their time voluntarily to contribute. However issues can emerge that require some, how should I say, direction to see them addressed, decisions made and then executed.

I think we have got a lot done since 2017. In fact, I first came back into the fold in September 2016 when I was asked to Chair the Task and Finish Group preparing for the Royal Year. The GPC role followed along and I recall how, when we viewed the task before us to be ready for 2019-20, we correctly thought there were some steep hills to climb. But climb them we did. As it happened the Covid ‘hill’ didn’t occur to us and it stuck a big spanner in the works but even then, the work we had done meant that when we had to react and get more online and virtually based very quickly, the leg work we had put in really paid off.

I have always seen our long-term strategic goal through a single lens albeit with plenty of kaleidoscopic elements. I think it is relatively straightforward and that it is to get more people to join the Fuellers and then keep them engaged so they stay. Make it harder than this and it can become troublesome.

So, as I pass the baton to John, I wish him every success. My sincere thanks go to my GPC colleagues, The Clerk and Honorary Treasurer without whose dedicated help nothing would have got done.

GPC is the boiler room

By Past Master John Ingham, incoming Fixed Term Chair, General Purposes Committee November 2020



I too was an advocate of a Fixed Term Chair for the General Purposes Committee and believe that through the first term under Paul’s tenure that it is a decision well and truly vindicated in providing the essential direction and continuity in both planning and communication, not only for the Royal Year but well beyond in the continuing development and wellbeing of the Company.

GPC is very much the boiler room of the Company and is fuelled by its many and diverse members who contribute so much of their time and experience to keep the ship on track. My thanks to Paul for harnessing these resources and helping to steer us so well over the last three years and so often through uncharted waters, as these past few months have shown.

We have learnt much in the process and to use Paul's analogy of a relay race – it is all about teamwork and it is my privilege to have been invited to succeed him as Fixed Term Chair and the next runner to take the baton. It becomes my job to build on what Paul has achieved to get us to where we are today and I see my primary responsibilities as being to pick up the baton cleanly, not to drop it and

do my very best over my lap to ensure that the team stays in the race and is well positioned to deal with whatever situations may occur until the baton is passed on.

The timing could have been better as COVID has impacted so much on us as a Company and to our members personally but hopefully there is light at the end of this dark tunnel and that we will have much to look forward to in the coming months as we resume some semblance of business as usual. Above all we must be mindful of the needs of our membership and seek to be meaningful – attract them to join (recruitment and membership offerings), keep them informed, involved and engaged (actively encourage involvement and progression through the Company; effective communications; occasions and events – technical fulfilling our energy roots; social, formal and informal; educational; and not least charitable) and justify them becoming a 'Fueller for life'.

GPC will continue to play a key role in formulating and implementing the strategies to do this and I believe that we are very well placed to make the progress we deserve to take the Company forward with reputation and status enhanced within the Livery and the Energy professions and above all being seen to be meaningful to the members we seek to serve.

I am really looking forward to my term as FTC and of working with GPC members and I will do so to the best of my ability but with feet firmly on the ground as I am sure that there will be many frustrations and occasionally may wonder what has been achieved but I have no doubt that I will enjoy the experience and be enriched by it.



Fuellers merchandise

Merchandise

As we embrace the festive season why not take a moment to check out the Fuellers Shop in the Members Area on the website. Notebooks, ties, umbrellas are just some of Fuellers merchandise that is available.

Visit the shop to place your orders [here](#).



Archive

For all archives please visit www.fuellers.co.uk/members-area/archive

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