

00:33:50 Rick Page Salisbury: Good morning from Salisbury Greens
00:33:55 milly carmichael: Good morning from Marlborough. Hello Margaret :-)
00:34:09 Andrew Nicolson: Good morning from Earth, and BoA
00:34:15 Margaret Green: Hi Milly :)
00:35:38 HUDSON, Rebecca: Just another reminder to everyone to make sure their Zoom names are set up correctly ! You also have the option to chat directly with the panellists or with us and other attendees, you just need to select it in the 'To' drop down menu above your message
00:36:00 Bill Jarvis: Good morning from Dilton Marsh and to all my WCA colleagues
00:36:03 Clare Cape: Please
00:36:40 HUDSON, Rebecca: We will bring speakers up to the panel one by one Joe
00:36:41 Margaret Green: Morning Bill :)
00:39:06 Ros Oswald: Good morning Bill
00:39:32 Catherine Dawson: I've lost sound?
00:39:57 Jane Davies: Good morning from Marlborough, hi Milly :-)
00:40:04 Eva McHugh: Good Morning from Salisbury! Representing for Salisbury Transition City & Member of Wiltshire Climate Alliance
00:40:06 Linda Oubridge: Good morning from Salisbury Green Party
00:40:29 Joanna Harries: Goof morning from Joanna in Melksham
00:40:29 milly carmichael: hello Jane
00:40:29 Richard Ecclestone: Thanks for the introduction Danny, and sharing your thoughts around the issues climate change raises. I sense a lot of common ground here, that we can all work with to achieve the outcomes we all seek.

00:40:44 Jane Brown: Hello to all from Jane and Paul near Pewsey
00:40:50 Evangeline Rowe: Good morning, very excited to be here
00:41:00 John Maggs: Good morning from SMARTech energy in Corsham
00:41:08 Catherine Dawson: sorry sorted now
00:41:08 Jane Brown: Hello Milly!
00:41:09 milly carmichael: hi Jane and Paul
00:42:19 Emily Goodall: Morning all, Emily from Manningford here - representing Plant for Our Lives
00:43:52 lesley whelan: Good morning from Aldbourne
00:44:45 Clare Cape: Pleased to say that Chippenham's Planning, Environment and Transport Committee unanimously rejected the appalling Wiltshire Local Plan proposal for two new suburbs and the HIF funded distributor road last night. Concreting over the countryside without proper evidence of numbers required or considering alternatives; and without taking account of the environmental damage would have a hugely damaging carbon and environmental impact. I wonder if @Danny Kruger has any comments on this (I realised it's not your constituency, but Michelle Donegan has been silent on it to date). Cllr Clare Cape, Chippenham-Pewsham.
00:46:07 Margaret Green: Excellent news Clare :)
00:46:30 Bill Jarvis: one tree per wedding? Maybe 1 per wedding guest might be a better bet. Also tree wedding gifts
00:48:12 Bill Jarvis: Minnette, what are "crop protection tools?"
00:49:21 Sarah Troughton: Excellent 6 minutes Minette - your 3 pillars make Net 0 a feasible possibility .
00:50:18 Jane Brown: Diverse grassland also a great carbon sink, balance with trees
00:50:43 Jane Davies: Thank you Minette, I love your positivity and energy.
00:51:33 Bill Jarvis: Suggestion made by Poppy that we attendees should pledge to plant a tree to offset our conference emissions.
00:51:43 Linda Oubridge: Hello Emma from Lopy & Brig
00:52:00 Margaret Green: Ending factory farming regenerative farming including animals
00:52:36 Brian Mathew: In the film 'Kiss the ground' which Woody Harrelson presents he shows how soils can sequester CO2 with the use of cattle in moving paddocks over grass, what is the science on this?
00:52:44 Louisa - CCL UK: Rebecca - my broadband is ropery - please could you let me know if I freeze up or my slides do not show properly? Thanks.
00:52:58 HUDSON, Rebecca: I will do Louisa, thank you
00:54:41 Bill Jarvis: if you take all emissions, including imported it's at least 25% greater per person
00:55:42 Linda Oubridge: More green, reliable, cheap frequent buses so cars are not needed so much.

00:56:04 Nick Josephy: This is very interesting but there is insufficient time to read the slides! Would it be possible to email them to all attendees after the meeting?

00:56:36 Tim Trimble: Second That

00:56:37 milly carmichael: thank you for bringing the science and data to this discussion Emma

00:56:56 jim butler: we need to pay a carbon capture insentive to help develop technology something like RHI

00:57:13 Linda Oubridge: We need carbon rationing

00:57:38 Mandy Nicoll: money is always a limitation - it is about choices

00:57:41 Gary Mantle: Hello from Wiltshire Wildlife Trust. We strongly believe in the need for nature based solutions to climate change. The climate and ecological emergencies are inextricably linked.

00:58:17 Christian Lange: That point about Govt getting in the way of enabling local councils from setting Zero Carbon housing standard is so important - Please can this be addressed at this meeting

00:58:20 Louisa - CCL UK: ☐

00:58:48 Louisa - CCL UK: (My laugh was directed at magic money tree)

00:59:17 Emma Dawnay: Link to slides: <https://www.dropbox.com/s/4wr2lh14g8csopu/Emma%20Dawnay%20From%20global%20to%20local%2019.2.2021.pdf?dl=0>

00:59:28 Richard Ecclestone: Magic money trees are always there to deal with emergencies.

00:59:47 milly carmichael: tackling tax avoidance , tax evasion, off-shore tax havens would help that 'money tree' quite substantially

01:00:06 Clare Cape: Even though national government gets in the way local government should take the initiative and require higher standards towards net carbon zero.

01:00:52 Andrew Nicolson: Michelle D's letter on Future Chippenham HIF bid, two years ago: "I want to make it very clear that my support for this grant is contingent on the Council honouring their pledges to ... the town ... As Chippenham's MP I confirm my support for the Council's application ... on the express understanding [it] will deliver substantial benefit to my constituency ... I believe that a full consultation process involving the people of Chippenham should commence at the earliest opportunity in the interest of openness and inclusivity ... I look forward to ongoing discussions and involvement with the Council"

01:01:37 Bill Jarvis: this is unbelievable stuff.

01:01:45 Louisa - CCL UK: Joe - I really hope things are changing in schools now. I know St John's in Marlborough are making it much more of a priority...though this has gone out of the window during lockdown homeschooling.

01:02:01 Bill Jarvis: Is this the experience of others in the meeting?

01:02:03 Amy Davis: The effects on young people's mental health will be huge over coming years...

01:02:31 Ros Oswald: That point about Govt getting in the way of enabling local councils from setting Zero Carbon housing standard is so important - Please can this be addressed at this meeting , I am repeating Christian's message so it doesn't get over looked. Carbon Neutral Aldbourne

01:02:41 Clare Cape: Thanks you for that @Andrew

01:02:43 Louisa - CCL UK: Rebecca - I sent Ed a poll question?

01:02:53 Mandy Nicoll: Education is crucial - is there a way to get more outreach from say WWT into schools?

01:03:17 Louisa - CCL UK: Joe - hear, hear!

01:03:25 Catherine Dawson: As an invigilator 2003-14 I noticed how the maths/science curriculum addressed vaccination obliquely, so it can address climate change!

01:03:32 Nick Gibbins: Inspirational Joe.

01:03:53 Bill Jarvis: Danny, what are you personally doing about this disgraceful situation?

01:04:11 Evangeline Rowe: I studied geography, biology and sociology at a level and still did not cover much about climate change even in my environmental science degree its very ecology heavy and focuses on geology and global systems not experiences, policy, causes etc

01:04:11 milly carmichael: Well said, Joe. All very important points. <http://llanfyllin.sector39.co.uk/team/> this curriculum is already taught in some schools in wales

01:04:20 Zoe Millington: the ten year old sitting with me thinks this is a great idea and needs to happen

01:04:21 Juliet Davenport: Joe you are legendary - loving your passion and brilliant vision. Whatever I can do you help, please give me a shout.

01:04:39 Debbie Harvey: Joe, thank you for articulating the challenge!

01:04:42 Christian Lange: Very well said Joe - so many good point

01:04:42 Jane Brown: Fantastic - keep up your amazing campaign

01:04:43 Louisa - CCL UK: Ed - ☐

01:04:48 Amy Davis: Thank you Joe that's such an important initiative

01:04:53 Richard Sharp: Well done Joe

01:04:59 Eva McHugh: Education would enable us to move forward on the same page and make people see climate change as an issue that needs to be resolved as opposed to an opinion or a political stance. Well done Joe

01:05:05 Ros Oswald: Excellent Jo thank you

01:05:22 John Schofield: Education should also equip young people with an understanding of how the economy really works, and how this relates to the climate emergency.

01:05:27 Louisa - CCL UK: Certainly, climate change needs to be presented as a fact, even if the solutions are hotly disputed.

01:05:28 Juliet Davenport: Danny please - the science is not contested!

01:05:36 Mandy Nicoll: the foundations include respecting and looking after our planet - we should be teaching that at the very least

01:05:37 Richard Ecclestone: Danny - NO - these are not contested opinions! This is the science, it is fact!!!!!!!

01:05:45 milly carmichael: not contested Danny

01:05:54 Bill Jarvis: They are NOT contested. What planet are you on

01:05:56 Clare Cape: There's lots of evidence behind the science!

01:05:57 Alex Kay: Joe and other young people are showing true leadership in this issue. They are demanding this being treated very seriously. If they are taught science properly, they need to be taught to distinguish between ideas and facts.

01:06:00 Ros Oswald: Exactly the same point could be raised about history which can be hugely controversial but is still taught

01:06:02 Eva McHugh: We trust the scientists when it comes to Covid, why not climate?

01:06:04 Linda Oubridge: The science is certainly not contested. This is about education for survival

01:06:06 Tim Trimble: Climate change denial is Science Denial

01:06:07 Juliet Davenport: there are many things at school that are taught that are contested, so much of history for example!

01:06:10 Gina CCL (UK): As a teacher I have navigated through a myriad of controversial issues this one is VITAL !

01:06:10 Richard Sharp: There is huge consensus amongst Scientists

01:06:13 Juliet Davenport: and English literature!

01:06:44 Amy Davis: It's beyond opinion, it's survival

01:06:48 David Phillips: Children - and adults - need the skills to be able to separate fact from fantasy/fake/deliberate untruths. A wider theme for education.

01:06:49 Alex Kay: Danny, how many people are actually voting in these polls.

01:07:22 Catherine Dawson: Well argued Jo!

01:07:38 Louisa - CCL UK: AT least 97 percent of scientists agree that human caused climate change is fact.

01:07:48 Jane Davies: Agree with David Philips, teaching logic and critical thinking is essential to all areas of education.

01:07:49 Bill Jarvis: I think you already have a majority

01:07:57 Richard Ecclestone: Actually I'm not sure we do need contrarian views about this emergency - that's how you end up with Trump!

01:08:01 John Maggs: Totally agree – education should equip young people with the facts so they can engage meaningfully with such an important issue.

01:08:22 Alex Kay: Whatever, the detail of temperature change modeling, the damage humans are doing to the planet is incontrovertible!

01:09:14 Brian Mathew: How about wind turbines on some parts of Salisbury plain?

01:09:37 Amanda Rhind: I think you will find that climate change has been a topic that is being taught at the moment as it lends itself to being taught in science via Teams. It is certainly a topic that I have been teaching.

01:09:38 Bill Jarvis: Agreed, ideal area for them.

01:09:54 Tim Trimble: Are tanks now obsolete, if so, can we rewind Salisbury Plain?

01:10:04 Tim Trimble: Rewild

01:10:09 Alex Kay: I agree Brian Matthews. It would really help our renewable energy. I'm struggling to see how C-neutral war is possible.

01:10:10 Louisa - CCL UK: Really good to see farmers and the military involved in this summit.

01:10:30 Richard Ecclestone: Tanks are not yet obsolete (mind you I am biased as an ex-tankie!)

01:10:59 Bill Jarvis: synthetic fuels at the moment emit CO2

01:11:38 Alex Kay: We could address some housing shortage by repopulating Imber.

01:11:43 Catherine Dawson: Salisbury plain preserves lots of flora, fauna and archaeology. How green is the new housing, I noticed the solar panels/

01:12:10 Bill Jarvis: What is happening with the chaos of poor building at Tidworth?

01:12:23 milly carmichael: Can we go beyond the paradigm of simply replacing current fossil fuels with plant / bio-based alternatives to largely continue business as nearly usual, and properly address the need for enormous reduction in use?

01:12:28 John Schofield: Isn't the biggest challenge for the military going to come from the political instability, brought about by ever increasing migration from uninhabitable regions of the world?

01:12:30 Sophy Fearnley-Whittingstall: The solar farm at RAF Lyneham is one of the largest in the country! Which is great.

01:12:44 Brian Mathew: It is only with sufficient renewables that synthetic fuel becomes viable, but this is possible. Net UK energy need = 0.25TW wind energy available to the UK = 2TW

01:12:47 Margaret Green: WC must listen to MOD on build zero carbon

01:12:49 Clare Cape: Need diversity in renewables - wind and geothermal source heat too.

01:13:03 Sophy Fearnley-Whittingstall: The MOD is also installing solar arrays on several other areas of its estate.

01:15:20 Jane Brown: Salisbury Plain a carbon sink already, with large grassland areas!

01:15:41 Clare Cape: Woodland would be good for those living on the bases too. We've all learnt that this is good for mental well-being as well as the environment and carbon reduction.

01:15:50 Alan Maryon-Davis: How about a wind turbine or three on Salisbury Plain?

01:16:02 HUDSON, Rebecca: Just to remind everyone we aren't currently operating the Q&A function - we will be later but not just yet

01:16:09 Brian Mathew: MOD needs to become carbon negative not just neutral

01:16:14 Bill Jarvis: agreed Jane. Taking credit for nature is an interesting approach, but it's lot better than building on it!

01:16:36 Sarah Troughton: All the panellists have shown such positivity for this major subject. Thank you

01:17:12 Brian Mathew: Why no questions to MOD?

01:17:13 Bill Jarvis: Danny, will you be sharing all these poll results?

01:17:42 HUDSON, Rebecca: We are just opening the presentation!

01:17:56 milly carmichael: Global conflict profoundly affects climate action. Peace is the best solution and cease UK arms sales which fuel conflict in other countries.

01:18:01 Bill Jarvis: Mainly by exporting it Richard

01:18:26 Linda Oubridge: Too much of our carbon emissions are outsourced to other countries

01:20:39 Jane Davies: Excellent idea to support apprenticeships and sustainable skills base to retrofit buildings

01:20:50 Linda Oubridge: Cancelling the incinerator at Westbury would reduce emissions.

01:21:16 Harry Lopes: Good to hear MOD plans. Big problem with how the MOD assets are managed to get effective change. DIO historically extremely poor at dealing with renewable energy companies and looking at transitioning their massive asset base.

01:21:46 Bill Jarvis: Apprenticeship numbers have fallen off a cliff last year. What is government doing about this?

01:22:01 Mandy Nicoll: tree planting needs to be carefully controlled - we know that the wrong trees in the wrong places are not going to help

01:22:05 Alex Kay: Achieving reduction in CO2 emissions by including Biomass energy .. clear-cutting mature forest to make pellets to make energy is more polluting and planet damaging than burning coal. Biomass needs to be banned and not included as green energy.

01:22:23 Alan Maryon-Davis: May we have Richard Clewer's slides too please?

01:23:08 Clare Cape: @Richard Clewer - need to kill the HIF bid. It's not wanted by the people of Chippenham as evidenced at PET last night. It would be hugely damaging to carbon emissions and local green / blue environment.

01:23:10 Amy Davis: Hear hear on biomass, incinerator and asking for more government stimulus for apprenticeships. Can we address these please?

01:24:06 Jane Brown: Why can't all new houses have solar panels?

01:24:31 Alex Kay: The Climate strategy should be at the core of the Local Plan. We have to consult on that by 9th

March and as it stands, it does not integrate with CO2 reduction or enhancing biodiversity.

01:24:49 Clare Cape: Wiltshire Council can choose to require higher standards than the gov's minimum.

01:24:50 Margaret Green: If the MOD can, why can't councils

01:24:55 Linda Oubridge: Food waste is a huge issue. When will food waste be doorstep collected? It has been done in Swansea for many years now

01:25:35 Sophy Fearnley-Whittingstall: People also need to engage with the Local Plan as well as Climate Strategy - the two should be inextricable.

01:26:04 Margaret Green: food waste must be managed, but growing biomass for energy is not good

01:26:07 Sarah Troughton: Solar panels are not pretty on roofs. There are solar Roofing Tiles which are more expensive but look much nicer.

01:26:11 Bill Jarvis: well said Richard. Funneling funding to local areas, rather than central control is right

01:26:14 Clare Cape: @Sophy - you are right.

01:27:18 Richard Ecclestone: It would have made more sense to use local authorities to manage the delivery of the green homes grant, instead of outsourcing it to an American company, which has been an utter disaster.

01:28:12 Jane Davies: @Sarah Trough I agree, another business development area, we should protect conservation areas from visual blight and make solar etc available to owners of listed buildings

01:29:11 Alex Kay: Future-proofing homes for CE should be permitted development. Advice from WC is mixed on need for planning.

01:29:12 Bill Jarvis: No, the planet doesn't care about costs. Ignore the science and look at your wallet doesn't work Tim

01:29:20 Julie Strawson: Need transparency and fair tendering for public contracts

01:29:42 Emma Dawnay: So lots of jobs

01:29:48 Richard Ecclestone: It actually is completely irrelevant what the cost of net zero is. This is a planetary emergency, so it has to be done whatever the cost.

01:29:52 Sophy Fearnley-Whittingstall: The costs of not taking action on Climate Change are far higher

01:30:25 Sophy Fearnley-Whittingstall: Stern report

01:30:25 Catherine Dawson: you can't eat gold

01:30:29 Christian Lange: What would the costs be of doing nothing?

01:30:41 milly carmichael: it would have been significantly cheaper if the whole project had begun decades ago - this is the price of delay and still cheaper than no action

01:30:55 Alex Kay: We currently have national debt in the trillion level, but not that much of that has chased after greening up the planet. Other more damaging projects seem to have benefited from all that money.

01:31:05 Brian Mathew: "Only when all the trees have been cut down and all the rivers poisoned will the white man realise you can't eat money" Native American proverb

01:31:16 Julie Strawson: Businesses need to evolve towards new technologies and help develop new technologies

01:31:19 Bill Jarvis: new zero carbon vs retrofit 200% increase in costs

01:31:25 Alex Kay: We cannot afford to do nothing.

01:31:29 Mark Street: <https://www.bbc.co.uk/news/av/world-us-canada-56107358>

01:31:33 Jill TURNER: climate change is expected to increase disease - thereby increasing healthcare costs

01:31:45 Margaret Green: We can't eat money

01:31:47 Nick Gibbins: Please refer to the Lord Stern's Review of 2006 who covered this topic comprehensively. The costs of doing nothing are much greater than acting.

01:31:54 Sophy Fearnley-Whittingstall: Renewables are bringing down energy prices - solar is the cheapest source of new energy of all technologies. Closely followed by onshore wind.

01:32:06 Christian Lange: Covid proved that funding can be found where there is a will - We have heard for years that we could not afford to worry about the environment... now it is going to cost far more

01:32:18 Catherine Dawson: Carbon fee and Dividend and Border Carbon Adjustments would solve the problem of cheaper imports

01:32:19 Alex Kay: We have to be supporting climate and community. What kind of government says we have to choose between those?

01:32:25 Juliet Davenport: why are the energy costs higher! wind and solar are the cheapest sources of energy

01:32:29 Dave.Battrick: Let's do nothing then and wait for everything to die, but at least we'll be rich!

01:32:32 Sophy Fearnley-Whittingstall: My electric vehicle costs me 3p per mile - far cheaper than petrol.

01:32:38 Bill Jarvis: Failing to deliver a zero carbon mandate for housing is pushing the problem down the road.

01:32:38 Margaret Green: deliver solar to every roof?

01:32:50 Juliet Davenport: The green surcharges are all on electricity and that is why it needs to be balanced onto gas

01:33:05 milly carmichael: this is very narrow scarcity thinking - and only looking at what we might 'lose'. there is immense possibility here for creating a much better way of life.

01:33:06 Tim Trimble: This is deeply depressing and just plain wrong headed

01:33:22 Juliet Davenport: electric vehicles are around 1/3 cheaper to run than petrol and diesel cars

01:33:28 Margaret Green: burning anything for energy is not a solution

01:33:28 Richard Ecclestone: No disrespect to Tim, but this perspective is actually not at all helpful. It is just the sort of 'data' that the climate change denial folk and their propaganda arms in the right wing press love to disseminate.

01:33:29 Nick Josephy: I think you need to consider the overall economic effect of a. not dealing with climate change or b. tackling it. Both involve costs. You need to include externalities i.e. costs which are not picked up sufficiently by the existing market system Worth reading the Stern Report, which suggests we are better off dealing with it.

01:33:36 Brian Mathew: if we are at the fore front of renewables the benefit will be for our economy

01:33:37 Catherine Dawson: Gas should be taxed as a fossil fuel more than renewable electricity

01:33:47 Richard Sharp: My five grandsons and their grandchildren will not worry what our costs were . The warnings were there in the fifties and it was clear by 1990 . Dithering and denial is screwing our grandchildren WE knew all we needed to know foitwill not be worried whatno

01:33:54 Christian Lange: The poorer will be the worst impacted by climate change

01:34:03 milly carmichael: A just transition also includes the people in the rest of the world who are paying the price already for our inaction

01:34:09 Catherine Dawson: Margaret thatcher saw the problem ahead

01:34:19 Sophy Fearnley-Whittingstall: Greener policies can bring huge economic benefits too, Danny

01:34:20 Mike Hodgkins: At last. Tim has made the point eloquently (if accidentally) that capitalism as we know it will not deliver. We need to rethink the economic systems world-wide.

01:35:01 Bill Jarvis: who is the anonymous poster?

01:35:11 Sophy Fearnley-Whittingstall: Why no poll for Tim Wade??!!

01:35:28 HUDSON, Rebecca: Not all our speakers submitted polls Sophy

01:35:31 KRUGER, Danny: PLs remember to choose 'Panelists and Attendees' for your comments (unle you just me to see them!)

01:35:31 HUDSON, Rebecca: It was up to them

01:36:00 milly carmichael: Well said @Mike

01:37:31 Richard Ecclestone: Louisa's challenge with bandwidth suggests that broadband upgrades would be a better investment than HS2!

01:39:24 Julie Strawson: Equip homes and businesses properly with tech that can help reduce the need for commuting - faster than waiting for people to save up for an electric car

01:40:11 milly carmichael: Thanks Louisa. :-)

01:40:12 judyboyt: I agree with Julie Strawson

01:40:44 Emma Dawnay: This is great idea. Put tax on fossil fuels, and give proceeds back to everyone equally.

01:41:07 Tim Trimble: Thanks Louisa, great concept! Also results in a form of Universal Basic Income as a result of the dividend.

01:41:27 David Phillips: It was useful to have Tim Wade's input. It reminds us that many people have worries about the impact of sorting out climate change - in terms of jobs, lifestyle etc - and we need to engage with those worries as well as climate change itself.

01:41:37 Bill Jarvis: can we have an all of these on polls?

01:41:44 Cllr Judy Rose: Great idea, Louisa.

01:41:51 Alex Kay: That poll needed to be ALL THREE!

01:42:00 Christian Lange: There are so many examples where Local Govt is at odd with Central Govt - Even when part of the same conservative party

01:42:10 Clare Cape: @Alex Kay, yes

01:42:16 Jane Davies: @David Philips agree, need to deal with people's fears and concerns to bring everyone 'to the table'

01:42:41 milly carmichael: @Alex, yes, agree

01:42:53 mark: I agree - focussing on bring Tim 'on board' is important as ' buy in ' and individual activity is critica

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01:43:13 Margaret Green: looking to get my ev connected to the grid do good energy offer V2G?

01:43:26 Bill Jarvis: So how do we bring the Tims in?

01:44:13 milly carmichael: How do you improve trust in Government?

01:44:14 Bill Jarvis: how about a 5th, the planet

01:44:41 Linda Oubridge: Excellent idea about a board of schoolchildren

01:45:02 Clare Cape: @Milly, trust is earned.

01:45:34 Tim Trimble: Do Good Energy provide a 'Time of Use' tariff so you can use more electricity off peak?

01:46:02 Bill Jarvis: hopefully not greenwash for bid companies!!

01:46:08 Clare Cape: on-board and buy-in requires understanding of concerns and WIIFM

01:46:08 David Phillips: Should England follow the lead of Wales by having a Future Generations Commissioner?

01:46:33 John Schofield: I love the idea of 'futureholders' and having young people on the board of companies!

01:46:37 Emma Dawnay: Let's have some young-people government ministers too

01:46:47 mark: Business sadly is most held to account when it hits the P&L - Govt has a really important role too

01:46:55 Jane Brown: Future Generations Bill in progress, John Bird/Caroline Lucas

01:46:55 Poppy Taylor: What a great idea appointing this board! As WCA's Youth Coordinator I know how important these issues are for younger people. We deserve to have a voice about our future!

01:46:58 milly carmichael: @ David. Yes. She is incredible and Wales is quite visionary in their approach.

01:47:09 Jill TURNER: u3a in Kennet is organising a Special Interest Day on Climate Change with a local school

01:47:19 Alex Kay: @Milly ... more honesty and real action. We see too much statement of big spend and no delivery. We need to have more honest journalism too.

01:47:48 Jane Davies: @Jill TURNER, that's great - Kennet valley?

01:48:06 Richard Ecclestone: @Danny - getting everyone's voices heard, including younger people, can be achieved through Citizens' Assemblies

01:48:11 Brian Mathew: Really good idea Juliet!

01:48:31 Jill TURNER: u3a in Kennet is based in Marlborough

01:48:34 Linda Oubridge: Too many fossil fuel companies have funded climate change denial campaigns

01:48:34 mark: is the most important community the 20-30 year olds who are best placed to understand innovate but often the least empowered?

01:48:35 milly carmichael: @ Alex, I guess my question was meant mainly for Danny :-)

01:48:53 Kymee Cleasby: We already have a Youth Parliament, the government just needs to listen to them, rather than just lip service...

01:48:57 judyboyt: Businesses should be shown what and how they are using or losing energy and CO2 emissions. The UCL has an excellent program and dept that can pinpoint emissions and energy etc in all areas. Stephen Evans runs the Project ..

01:49:10 Tim Trimble: CitizensAssemblies are a great way to get better involvement and trust

01:49:12 judyboyt: UCL. University of London

01:49:12 Caroline Lanyon: Good Energy is to be congratulated on informing us about the incompatibility of nuclear power and renewable generation.

01:49:33 Linda Oubridge: Agree Caroline

01:49:45 Juliet Davenport: working on a time of use tariff, I think we are looking for people to test one now.

01:51:42 Louisa - CCL UK: Judy - are you Judy the sculptor?

01:51:52 David Phillips: Graham - these are excellent points

01:52:17 judyboyt: Louisa I am the sculptor

01:52:26 John Schofield: Juliet - would that time of use be based on wholesale prices at a given time, or would it just be an advanced economy 7?

01:52:53 Louisa - CCL UK: Citizensclimatelobby.uk and louisa@citizensclimatelobby

01:53:07 Louisa - CCL UK: Judy - I am Louisa from Talos ☐

01:53:18 Clare Cape: leadership PLUS leverage

01:53:19 Julie Strawson: Totally agree with Graham that need to focus on the benefits and a better way of life by amplifying the experiences of transition cities and replicating best practices.

01:54:19 judyboyt: In order for the Individuals or households to change they need to know how on many levels. Ignorance about what is out there is rife!

01:54:24 milly carmichael: So much resource exists in organisations like the Transition network to help community-

based solutions to flourish.

01:55:02 Margaret Green: We must deliver healthy food and warm safe homes, a basic income for all would be sensible

01:55:05 Julie Strawson: How about paying Transition city teams to do this then it will get done faster

01:55:20 mark: very interesting talk!!

01:55:36 Philippa Morgan: Well said Graham

01:55:41 Amy Davis: All so important Graham. There is so much good intention but it's hitting brick walls that need to be broken down... we need leadership and absolutely need to get the right messages out there, no more denial.

01:55:42 milly carmichael: Thanks Graham - Devizes is inspiring

01:55:58 Cllr Judy Rose: Well said!

01:56:19 Christian Lange: Well said Graham - some very important points

01:56:24 Cllr Judy Rose: To Graham!!!

01:56:28 Nick Murry: Going back to the earlier Wiltshire Council presentation. WC needs to make carbon reduction a priority for its Local Plan, including its spatial strategy - stop planning for large commuter extensions that destroy carbon sinks and lock in tailpipe emissions for years to come. Net zero development policies are already allowed by planning policy and legislation.

01:56:38 Eva McHugh: Well said Graham!

01:57:00 Alex Kay: Over 70% of Councils in UK have declared Climate Emergency ... that is an opinion that government should listen to and support.

01:58:07 Alex Kay: @Nick Murry ... absolutely. Integrated planning with focus on Climate and Community.

01:58:38 Evangeline Rowe: thank you!

01:58:56 Gary Mantle: We would like the local authorities to also declare (recognise) an Ecological Emergency not just Climate Emergency.

01:59:34 Sophy Fearnley-Whittingstall: Agreed @Gary

01:59:47 Alex Kay: @ Gary Mantle .. we have in Bradford on Avon, but to really work it needs to be across the board!

01:59:51 Ariane Crampton, Wilts Council: For more information on what Wiltshire Council is currently doing, please see the reports being considered at our Council meeting next week. Item 12 includes a progress report, our climate strategy discussion document which is full of facts and figures, and our summary Green and Blue Infrastructure Strategy: <https://cms.wiltshire.gov.uk/ieListDocuments.aspx?CID=130&Mid=13056&Ver=4>

02:01:35 Alex Kay: @Ariane ... it seems to go to a budget page

02:02:06 Caroline Lanyon: A 'must watch' film Kiss the Ground on Netflix shows the need for regenerative farming to absorb Co2. Ploughing releases massive quantities of Co2

02:02:10 Julie Strawson: Seeing (and have personally cleaned up) a lot of plastic waste from agriculture all over downland and in Grovely Wood, near Wylde, anyone else?

02:02:42 Ariane Crampton, Wilts Council: @alex Kay this is the same meeting. Scroll down the page to item 12 and you can download the 3 climate papers

02:03:39 Margaret Green: poll, yes if and no but...

02:03:57 Mark Street: All excellent work and inspiring but last week driving from Westbury to Tisbury I saw three farmers spreading slurry on frozen ground - Against the regs but practically necessary due to the farming systems we now have. Farms are businesses and have to make choices. The Maize/Slurry system popularity is creating another environmental disaster.

02:04:02 milly carmichael: That last poll isn't a great question - too polarised. Private sector covers too much ground - some areas are doing well and others are contributing greatly and are driven by priorities that consistently win out over climate and biodiversity action.

02:04:33 milly carmichael: Great work Jemma :-)

02:04:56 Jane Davies: Agree with @Milly Carmichael, too polarised

02:04:57 Alex Kay: @ Ariane ... thanks. I hadn't scrolled far enough

02:05:04 Louisa - CCL UK: If we could (solely) put our trust in the private sector, we wouldn't have a problem with climate change.

02:05:18 Margaret Green: yes if and no but...

02:06:08 David Waltham: A farmer that doesn't love the countryside is in the wrong business

02:06:41 milly carmichael: The private sector has to be able (politically, legislatively etc) to make 'good' decisions as easily as they can currently make 'bad' ones

02:06:42 Bill Jarvis: The private sector are already using the climate problem for advertising; it's really bad how they are taking it as an advertising benefit. More greenwash

02:07:19 Caroline Lanyon: Self motivation means farmers need education to discover new methods to achieve reductions

02:08:39 Bill Jarvis: What happened to the bottle deposit scheme Danny?

02:08:51 Linda Oubridge: Our planet has finite resources. Government insistence on 'economic growth' is the problem, encouraging over consumption.

02:09:04 Anthony Matthew: I am grateful for all that is already happening, while recognising that more needs to be done.

02:09:40 Christian Lange: Govt can play an important part in encouraging a circular economy - I hope our elected members are listening

02:09:45 Catherine Dawson: glass is heavier to transport than plastic, its very complicated

02:10:19 Bill Jarvis: Legislation and a proper govt approach to this is essential otherwise it won't happen.

02:10:26 Poppy Taylor: Earth's processes are circular and we need to mimic this. Trying to achieve unlimited growth in a finite world will only end in disaster

02:11:14 Margaret Green: My local dairy deliver in glass as we had in my childhood, delivered by electric milk float

02:11:19 Richard Ecclestone: Well said Evangeline!

02:11:23 Linda Oubridge: Thankyou Evangeline, excellent

02:11:23 Bill Jarvis: well done Evangeline, great points made

02:11:29 Amy Davis: Very well said.

02:11:29 judyboyt: Read the book by Tony Juniper. What has Nature done for us

02:11:38 milly carmichael: Well done Evangeline. Permaculture design has much to offer this endeavour to instill circular systems

02:11:44 Julie Strawson: Brilliant stuff Evangeline!

02:11:46 Poppy Taylor: Brilliant Evangeline!

02:11:47 Louisa - CCL UK: Circular economy is crucial, Evangeline - thanks for explaining this brilliantly.

02:12:28 judyboyt: I agree with circular economy

02:12:32 Eva McHugh: Thank you! That was brilliant! Well said

02:12:32 Jane Brown: Agree with you, Permaculture principles.

02:12:33 Louisa - CCL UK: 8.6 percent

02:12:37 Debbie Harvey: 8% wow!

02:12:41 Poppy Taylor: Also love the soy fish earrings!

02:12:41 John Schofield: We are seeing the effects of climate change here already. I was chatting to the builder who is repairing our roof this morning. Unprompted he started talking about how more frequent strong winds are wearing out the nails holding slates on roofs.

02:12:45 Bill Jarvis: Watch Simon Reeve's Incredible Journeys on BBC 2. Interesting approach

02:12:52 Ros Oswald: I thought it was about 4%

02:13:00 milly carmichael: <https://www.ellenmacarthurfoundation.org/circular-economy/concept> lots here too to learn more about what that looks like at scale

02:13:02 Jane Davies: @Evangeline, apologies for being lightweight but I love your recycled earrings.

02:13:15 Christian Lange: We need to listen our young people more - well said Evangeline

02:13:18 Linda Oubridge: Government policy to ban veg & fruit being wrapped in plastic would help.

02:13:37 milly carmichael: I noticed them too Jane- the little plastic fish that you get soy sauce in with Sushi??

02:13:54 Richard Ecclestone: A lot is down to Government telling the truth about the issues. They are currently sweeping under the carpet the inconvenient truths about the way our economy currently functions to the detriment of achieving net zero and regenerating the natural world.

02:14:05 Ros Oswald: As a dedicated litter collector I would love to see a deposit scheme now please

02:14:19 Sophy Fearnley-Whittingstall: @John Schofield my builder told me that lots of issues arising from gutters which can no longer cope with the heavier rainstorms we have been getting.

02:15:35 milly carmichael: Again, permaculture design has much to offer to manage problems like storm water management, flood mitigation, drought / flood patterns etc

02:16:51 John Schofield: Did Andrew just suggest that 2000 years ago we were living in caves?

02:17:30 Bill Jarvis: we carbonised the world in less time than 20 years

02:18:13 Alex Kay: there are still a lot of people in poverty ... more in the UK than 10 years ago.

02:19:29 milly carmichael: Can we remember and honour the wisdom that has been held for millennia by indigenous peoples across the globe about how to live well on this finite planet. Much of which has been consciously and systematically destroyed by the 'progress' you are lauding.

02:19:59 Alex Kay: Please can you ban Biomass energy and come clean on how not green it is, please.

02:20:00 Philippa Morgan: Answer the question please

02:20:01 Christian Lange: Andrew your not answering the question about the coal mine

02:20:34 Brian Utton: And the answer about the coal mine is.....?

02:20:42 Mandy Nicoll: please answer the question!

02:20:50 Amy Davis: Definitely not doing 99% right. I'm not polishing my halo, I'm thinking about the mess my children's future is in

02:20:51 Tim Trimble: The use of the term 'virtue signalling' often brought into play when you have no real argument, I think

02:20:59 Richard Ecclestone: Answer the question!!!!!!!!!!

02:21:00 milly carmichael: please stop with the 'virtue signal' 'polish your halo' language.

02:21:01 Mandy Nicoll: don't let him off Danny!

02:21:03 Cllr Judy Rose: Answer the question!!!

02:21:07 John Maggs: And the coal mine? ... did Andrew really just say 'virtue signal in this space'!?

02:21:10 Louisa - CCL UK: Please can we not use terms like 'virtue signalling'

02:21:16 Mandy Nicoll: answer the question about the coal mine

02:21:41 Philippa Morgan: Why can't politicians say yes or no to a question

02:21:41 Richard Ecclestone: Please do not show your contempt for the people who are raising really valid points @ Andrew. That is incredibly disrespectful.

02:21:45 Amy Davis: No-one here is standing back. We are all working very hard to make change

02:21:57 Gina CCL (UK): Yes but taxing alone harms the poorest -need a dividend too!

02:22:09 milly carmichael: I think that language is a deflection of discomfort. I'd prefer that Andrew owned that and had some humility.

02:22:24 Cllr Judy Rose: Andrew is waffling! Come on Danny! You have to pick that up!

02:22:26 Bill Jarvis: We have to stop digging otherwise we will never get out of the whole. By govt NOT leading on stopping carbon intensive business they are a laughing stock and have no agency in taking COP forward

02:22:36 Julie Strawson: Right @Gina, rebates for selecting sustainable products such as reducing VAT on them

02:22:41 Eva McHugh: Government needs to stop subsidising fossil fuels ASAP.

02:22:49 Caroline Lanyon: No to fusion, also obsolete and incompatible with renewables. More wind farms are good, but they will be turned off in favour of nuclear, which is inflexible

02:23:29 Harry Lopes: Carbon tax "a really good role". Why isn't this a central objective to COP26. It's essential to the transition and will only work fairly with international agreement.

02:23:45 John Schofield: The green homes grant has been a disaster! Most people can't even get quotes. For the lucky ones the installers have not been paid and so are refusing to do any more work under the scheme.

02:24:01 Jane Brown: Agree, when will we stop fossil fuel subsidies?

02:24:05 Linda Oubridge: The Government needs to realise that nuclear power is in no way climate friendly or safe

02:24:31 Richard Sharp: A 68% reduction on 1990 emissions requires a 5.2% year on year decrease from 2021 -2030. The emissions gap report indicates we should be reducing by 7.6% per year over the next ten years.

02:24:50 Alex Kay: @John green homes has been withdrawn because they weren't paying out fast enough. There were not enough providers to deliver and it was complicated. Set up to fail.

02:25:05 Julie Strawson: That is just a way of creating work and making money, businesses need to know how to reduce carbon and be given incentives to do so

02:25:17 Philippa Morgan: Businesses have not shown that they are willing to disclose on equal pay so why should they do that on carbon disclosure

02:26:10 milly carmichael: carrots are better incentives than sticks, on the whole :-)

02:26:34 Tim Trimble: I'm quite disturbed by Andrew's focus on business alone. Govt needs to incentivise and direct this.

02:26:42 Catherine Dawson: I thought GHG had been stopped

02:26:49 Andrew Nicolson: "£1.5 billion Green Homes Grant faces axe after a year" -The Times 12 hours ago!

02:27:04 Jo Ripley: Government is reported to be stopping the green homes scheme.

02:27:26 Caroline Lanyon: Green skills are desperately needed so Department of Education must insist curriculum to include education and training, the potential green skills gap is huge
02:27:26 milly carmichael: <https://retrosuburbia.com/> some great ideas here on retrofitting
02:27:40 Catherine Dawson: It has bankrupted businesses
02:28:10 Jo Ripley: It's where government money goes - not £27 billion road building; yes to house insulation etc;
02:28:15 Anthony Matthew: Can we promote true renewable energy - wind, wave solar, and leave nuclear to history . Nuclear is not friendly to the environment or to human beings.
02:28:27 KRUGER, Danny: Remember to direct comments to Attendees too!
02:28:29 Tim Trimble: Some/all of the 'snippy comments' are correct.
02:28:51 Nick Murry: This is increasingly sounding like a series of excuses!
02:29:02 Andrew Nicolson: "Boris Johnson's flagship £1.5 billion green homes grant scheme is likely to be scrapped less than a year after it was launched in a blow for the government's net-zero strategy.

The Times has been told that the scheme will come to an end in March after only 22,165 grants worth £94.1 million were issued. The initial target was to secure grants for 600,000 homes. It was launched in September and the prime minister committed to extending it until March 2022 as part of his ten-point plan for tackling climate change." The Times 19 Feb 2021

02:29:54 Jo Ripley: lead by example: listen to your climate change committee: no new coal, no airport expansion ..
02:30:00 Richard Ecclestone: @Danny - thank you for pressing Andrew on the coal mine.
02:30:13 Brian Utton: Well done for returning to this Danny
02:30:18 Brian Mathew: Tidal!
02:30:51 Brian Mathew: We sent in ideas for Tidal, but were not called...
02:30:58 Jo Ripley: there's coking coal enough in the world until we have 'green' steel tech
02:31:01 Nick Murry: Make planning policy crystal clear on requiring net zero carbon development.
02:31:01 Bill Jarvis: As 80% of the coal from Cumbria is exported it won't count against UK emissions . Is that ok??

02:31:14 Philippa Morgan: If all else fails, blame the Scots
02:31:21 Alex Kay: But we are burning masses of pelleted forests in Drax. WHY are we subsidising this and calling it green? It is worse than coal burning.
02:31:32 Jo Ripley: not meeting our targets though
02:31:33 milly carmichael: the pandemic hasn't just stopped action. It has caused shifts in home-working, reduced commuting, increased home gardening and food growing, closer connection to green and blue spaces, while massively highlighting and exacerbating social and health inequalities. I hope all of this will not be brushed under the carpet when the pandemic ends, but will all be worked with, constructively.
02:31:35 Richard Ecclestone: You do not reduce carbon by digging more of it up and burning it.
02:31:46 Jo Ripley: and not including all emissions
02:31:50 Megan Fyfe: The coal to be mined in Cumbria is not, as far as I know, all going towards steel production.
02:31:52 Bill Jarvis: UK steel production is moving to plasma arc, Cumbria is a dinosaur
02:32:07 Louisa - CCL UK: Opening a coal mine undermines the trust in government effort to get to Net Zero. You can't put a positive spin on it, regardless of the reasons.
02:32:18 Jane Brown: I heard 80% coal going abroad - is this correct?
02:32:27 Emma Dawnay: Steel: let's recycle it using renewable energy, if we need to make new, then let's develop green steel processes with green hydrogen. We don't need coal to make turbines
02:32:35 Tim Trimble: The reason the offshore wind industry in this country is so successful is that Ed Davey persuaded the coalition govt to pump prime it with initial subsidies. you can't just wait for business alone.
02:32:39 Linda Oubridge: Tidal lagoons have been ignored for years, very sadly
02:32:41 Jo Ripley: our government will be an international embarrassment leading cop26 with a new coalmine opening
02:32:41 Richard Ecclestone: I heard 85% being exported.
02:33:12 Brian Utton: I'm unhappy with many/most/all of the answers from Andrew, but I appreciate him at least turning up
02:33:17 Nick Murry: CCC has got many of the answers. UK Govt. needs to speed up on all fronts.
02:33:25 Clare Cape: @Jo Ripley; totally own goal.
02:33:38 Kymee Cleasby: IMHO the pandemic has served to highlight what is detrimental to our eco efforts and wh

at is positive. We should note and take appropriate action on all of it! Sanction and incentivise accordingly...

02:33:40 Bill Jarvis: you can't have a case study if you won't invest in them, e.g. tidal power

02:34:00 Judy Hindley: Will I be able to access the chat later?

02:34:05 Sophy Fearnley-Whittingstall: Danny, thanks very much for this morning's session, which has been very interesting. Did you ask the other Wiltshire MPs to contribute?

02:34:14 Richard Ecclestone: Sadly, with Andrew Griffith at the helm, I fear for our reputation.

02:34:19 HUDSON, Rebecca: Join Zoom Meeting <https://parliament-uk.zoom.us/j/62937737477?pwd=YTA5MmlwRzJtRVBiYng0K3FRUktLZz09> Meeting ID: 629 3773 7477 Passcode: 717068

02:34:21 Caroline Lanyon: New storage is being innovated, such as liquid air: CRYOBattery Liquid Air Storage which will work flexibly with renewable power is the future, and similar schemes involving hydrogen. Nuclear power is an obstacle to future Co2 reduction

02:34:24 Bill Jarvis: can we have a copy of the chat please

02:34:34 Louisa - CCL UK: Thank you to all the panelists this morning. See you later

02:34:43 Andrew Nicolson: Yes, it is going to be a fantastic year of Climate action! But maybe not how you meant..

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02:34:51 milly carmichael: yes please to copy of chat as well as slides

02:34:59 Ros Oswald: Thank you for an excellent range of speakers

02:34:59 Alan Mitchell: Very interesting and stimulating set of sessions. Thanks to speakers.

02:35:02 Amy Davis: Please can chat be saved and sent out

02:35:08 milly carmichael: Thanks for all the presentations

02:35:09 Bill Jarvis: I'm not sure from Andrew's piece it will be