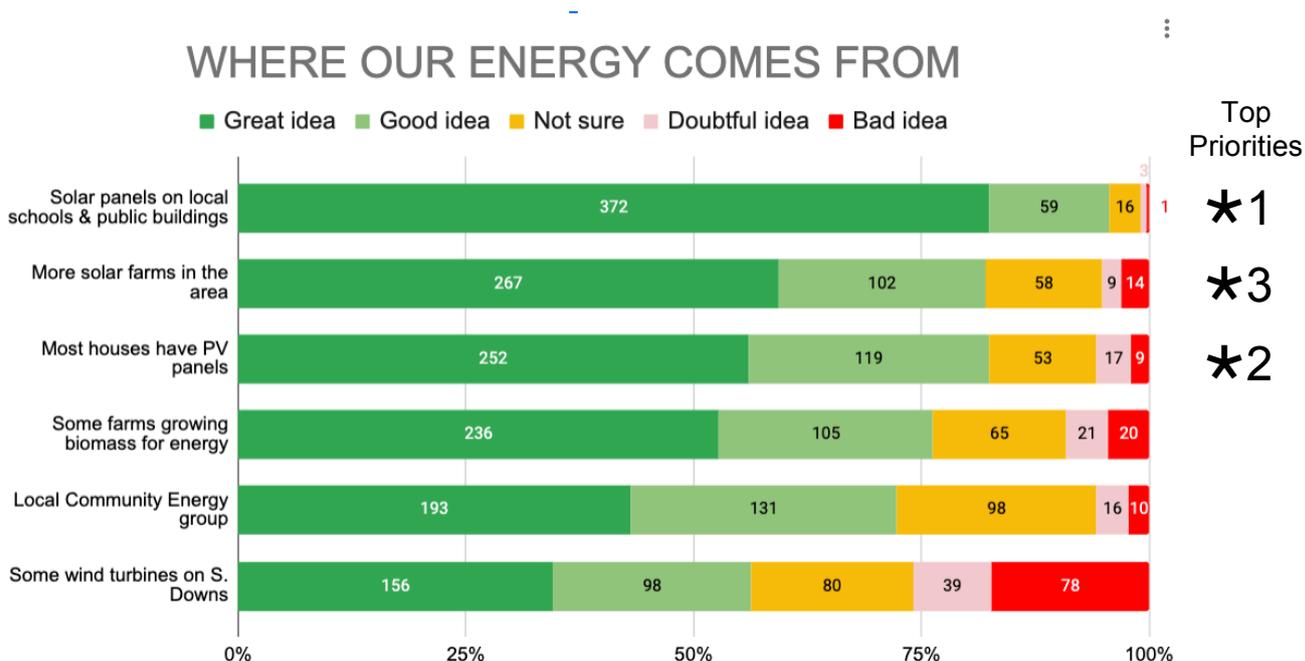
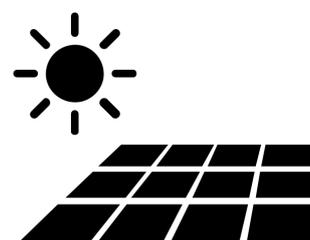


C. Where our energy comes from

Headlines



- There is clearly strong support for a big shift to renewable energy.
- Putting solar panels on local schools, offices and public buildings has almost universal support – over 95% back this idea.
- More than 80% support having more solar farms in the area and installing PV panels on most houses with suitable roofs.
- Growing biomass on farms for conversion to energy is also popular with 76% of respondents, and the idea of setting up a local Community Energy Group is backed by 72%.
- Installing some wind turbines on the South Downs was more controversial. 26% rated this as a bad or doubtful idea, the highest negative score of any of the ideas in the survey. More than twice as many (56%) back this idea, however. This is a clear point of difference, with strongly held views on both sides.



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Raw data

| Idea | Great idea | Good idea | Not sure | Doubtful idea | Bad idea | Good or great idea | Doubtful or bad idea | Average Score | Number who consider priority |
|--|------------|-----------|----------|---------------|----------|--------------------|----------------------|---------------|------------------------------|
| There are many more solar panels on local schools, offices and public buildings | 83% | 13% | 4% | 1% | 0% | 95.6% | 0.9% | 4.77 | 366 |
| There are more solar farms in the area | 59% | 23% | 13% | 2% | 3% | 82.2% | 5.1% | 4.33 | 222 |
| Most houses have solar PV panels fitted | 56% | 27% | 12% | 4% | 2% | 82.6% | 5.6% | 4.31 | 258 |
| Some farms are growing biomass for conversion to energy | 53% | 23% | 15% | 5% | 4% | 76.2% | 9.2% | 4.15 | 167 |
| There is a local Community Energy Group that allows people to invest in local energy schemes | 43% | 29% | 22% | 3% | 2% | 72.5% | 5.6% | 4.08 | 143 |
| There are some large wind turbines on the South Downs | 35% | 22% | 18% | 8% | 17% | 56.4% | 25.8% | 3.48 | 109 |

What else would you like to see?

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| <p>1.A solar farm in Shoreham cement works - on cliff face .</p> <p>2. Tidal elec generating plant on Adur at Shoreham cement works.</p> <p>3.Bio digester at shoreham cement works</p> |
| Add farm buildings to list for solar panels |
| advertisement to show how renewable energy sources are important and worry less about visual pollution, e.g. there was a massive uproar about wind turbines on the coast near shoreham due to eye sores but it is barely visible and people have taken a massive interest/liking to it. |
| Again a free survey to see if it is worthwhile having solar panels fitted,if facing west not south for instance |
| Again, economic mechanisms to ensure all income groups are able to contribute to reduction of CO2 emissions by installing solar pv. Appropriate changes to Planning laws to allow a far greater amount of solar and wind generation. |
| All public buildings upgraded to solar energy, all new building to have solar fitted. |
| allowing double glazing etc on old houses - sensitively done |
| An immediate abandonment of growing crops for fuel. It is entirely counterproductive - we |

2030 Vision Survey – Detailed Results

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| have stopped using coal for electric generation in the UK, but now use wood pellets from the US, or oil made from food crops - madness in a starving and deforested world! |
| Better conservation of energy in our general way of life and less waste or materials and resources |
| Better grants for solar energy installation |
| Better insulation of properties, clearer info re energy companies/charges |
| Campaign for lower usage of power |
| Carbon emission-reducing schemes and solar paneling on existing social housing, thereby helping the environment and people that can lease afford it. |
| Collection of food waste for production of energy |
| Continued pressure on government to support these aims |
| Efforts and education in saving energy |
| Electric car charge points everywhere. Vehicle to grid electricity scheme considered. Need facility incorporated into design of all new electric cars. (There is a city in Holland Utrecht I think that is experimenting with this.) |
| Emphasis on simply reducing energy usage - turning off lights, keeping windows closed when the heating is on, etc can make a real difference. |
| Encourage (educate, advertise, incentivise) and set price tariffs (use more, rate goes higher) to discourage high use of energy, so that demand is reduced |
| Every effort must be made to ensure a stable, sustainable energy supply. This includes nuclear as we need to almost double our generation capacity to fully electrify transport. |
| Expansion on SRC |
| fewer solar panels and wind turbines the views which are ugly and ruin |
| Financial incentives for ground or air source heat pumps |
| Grants and incentives to help with the cost of solar PV panels to families on low incomes. |
| Greater insulation to conserve energy so that we don't need to use as much energy |
| Ground source heat pumps |
| Harnessing of tidal power from the Adur river |
| heat pumps to go with PV panels |
| Houses with solar panels getting subsidies for Tesla-style electricity storage capability |
| Hydro tidal power from local water sources. |
| I think expanding rampion is the best place to generate power 'locally' - biomass farm should be growing food for humans to reduce food miles. |
| I would like to see more publicity given to the residents of Steyning regarding all these matters. |
| I'm not sure about local schemes, we need a national strategy <input type="checkbox"/> |
| If people used less electrical equipment then we would need less infrastructure to generate electricity. |
| Improvements to society are all very important but everything has to be structured correctly, with constant monitoring. Generally people need to step up to the mark, Governing bodies can only do so much, we need more love with care and consideration to others, let's have a |

2030 Vision Survey – Detailed Results

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| upturn of destruction to our beautiful country, counties etc., let's have the respect back. |
| Incentives and help to switch to better energy uses |
| Like the idea of producing energy for our needs locally rather than it being transported around the country or even from abroad! |
| Maybe a community project on ground heat sourcing (I think it's called). Currently too expensive for single households but possibly for multiple occupancy of neighbours |
| Maybe limited pedestrianisation of Steyning High Street so that our shop owners businesses are not effected by such restrictions. |
| Maybe solar farms also. |
| More 'groups' of worthy residents with their own agendas will not help. |
| MORE GREEN |
| More info on where the wind turbines would be before ticking.more info on how secure investment would be re energy coop. |
| More investment in wave power and better education for the population on the benefits of green energy. |
| more knowledge on heat pumps |
| More offshore wind farms |
| More people sharing larger properties |
| More trees planted to absorb CO2 |
| More wind farms at sea |
| More wind turbines out to sea, permanent park & ride facility. |
| Much wider use of ground heat pumps |
| Needs to be a renewable energy mix to meet energy needs and provide energy security - focussing on solar PV and some wind turbines. How about looking at hydroelectric for River Adur too as it is tidal and could harness a lot of energy? Need to prioritise energy efficiency too as could significantly reduce energy need. Energy Coop is a good idea too - can learn from lots of other communities who are 100% renewables. Small and large scale renewables both important. Education is important - swapping to renewable electricity provider or tariff is quick and easy and cheap initial step everyone can do, whether they can afford small scale renewables or not. |
| No questions about heat pumps |
| Offshore wind power. |
| Onshore wind farms are a cheap and reliable renewable energy BUT not on the South Downs themselves and if so very carefully selected locations. |
| prepare pipework network for use of non carbon gas for heating |
| research to find suitable solar roof tiles for listed houses and help with finance |
| Sheep grazing under the solar panels on the solar power farms Salters ducks on sea and ? river |
| Solar panels and batteries at home need to be incentivised. I would love to do this but the upfront costs prohibitive. If you could pay it off over 5-10 years, similar to your energy bill, it would become more accessible. |
| Solar panels priority for schools so children learn about electricity saving |

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| Some form of local energy meter so that the community can see how well / badly it's doing - I've often thought that Rampion should have such an online meter - maybe commercially sensitive though? |
| Subsidised solar panels for homes |
| There is no shortage of wood locally. The issue is extracting it economically and processing it in a way which minimises pollution. If the infrastructure is there it could revitalise the local woodland economy with knock-on benefits to biodiversity. |
| tidal energy conversion on the river? |
| to have local advisors able to advise on these environmental issues without political or financial interests |
| Use of heat pumps and battery storage systems in houses to manage electricity demand |
| Use of tidal power |
| Using council garden waste as biomass rather than harvesting trees. |
| We are a small island: surely we should be maximising use of the sea and not precious land, especially farm land and the Downs. |
| What about hay houses? Or other innovative methods of house building. |
| Why does everything local require volunteers? Some form of payment would be appreciated :) |
| Wind turbines out to sea away from sight, future industrial slums! |
| Wind turbines sensitivity placed, |

Any comments or concerns to share?

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| Your assumption about maize & cows is incorrect, wind turbines are blots on the landscape And future concrete industrial waste for future generations |
| Would there be a government grant to assist in achieving these ends? How would it be paid for to make this a fair share of the costs? |
| Wind turbines on the South Downs would be a major concern. It would be interesting to compare how efficient they are in comparison to solar power. |
| wind turbines in less looked at places |
| Wind turbines are great in theory but would they compromise the beauty of the South Downs? |
| Will the saving in energy costs outweigh the cost of installing some of these measures? |
| When there are already wind turbines in the sea it would be a shame to build on the Downs where they would be so visible rather than adding to those at sea. |
| We need to be very careful to preserve the National Park that encloses Steyning to the south and west as it provides an important landscape context for the town which needs to be recognised and preserved |
| We need innovation and we need to change consumer behaviour. |
| Very keen on community energy schemes |
| Those who know the South Downs understand there is no such thing as discrete areas at the top of them - whatever one may think of the aesthetics of inland wind farms. |
| These are big issues, which sound great!! I don't have the knowledge or info to judge/comment. There's so much offshore wind - why not concentrate on this? Solar panels sound great - but will the technology be overtaken? I had to strip out a 7 year old solar |

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| system - no parts or maintenance available. |
| There was an application plan for a large solar farm up the Adur between Bramber and Ashurst. Why was this turned down? |
| There are a lot of nimbys in the area which may mean opposition to some larger scale renewables. (An argument I would always reply with 'well would you prefer to have no electricity to your house, or a nuclear power station in your back yard?') Sometimes local councils can be a blocker so may need to educate/influence/persuade them as well as local residents. Local businesses important to contribute too. |
| the wappingthorn digester is foul smelling and 50% of the energy is burnt off in the atmosphere |
| The UK planning process, especially the noises coming out of central government about planning zones |
| The technology of PV roof tiles further developed, so that they become affordable. |
| The scale of what's needed isn't addressed by anyone important. |
| The route of the Rampion cable was always planned for wind turbines without public knowledge. Deceitful and a very bad idea that would leave us living in an industrial landscape. |
| The manufacture of solar PV panels is very energy intensive and requires the use of highly toxic materials |
| The landscape might change and houses looking ugly with solar panels |
| That the expected economic crisis will divert attention from the needs of our planet |
| Sustainable farming should be for food and do we really have to ruin the countryside in the name of climate change |
| surely burning methane produces carbon, i thought the concepts of bio fuels was to generate heat from bacteria processes that have a by product of oxygen not carbon. |
| South Downs wind turbines must not be sited to cause noise or vibration problems to business or residential buildings. |
| South Downs National Park will not allow wind turbines and public opinion will oppose such an idea. |
| Solar power is less effective requires maintenance and reduces arable land area. |
| See previous question re digester. Don't think that maize and other greenery is the only ingredient - quite a lot of slurry is used - and there will be less maize on the farm and more imported if land on A283 becomes a quarry. |
| See above. IN addition, it is not within the capability of the local authority to fund solar panels on public buildings - the cash needs to be found, good intentions are not enough. |
| Principles of biodiversity and equality considered for each scheme |
| Old houses which make the attractiveness of our villages could be spoiled by some of the modern methods of energy efficiency |
| Offshore wind generation has far less visual (environmental) impact than on-shore. |
| Not sure biomass is the way to go. Leads to monoculture when we need to be producing more food for local consumption |
| Nope |
| No solar panels in our conservation area. Concerns that maize is brought in by road to the biodigester. |
| No fracking. No nuclear. |
| No balance to major development opportunities |
| My concern regarding biomass and solar energy farms is that potential food producing land is being used for fuel production which results in more food having to be transported into the area/ country both requiring energy. |

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| long term seeing a reduction in the size of luxury homes being built |
| Less keen on biomass burning but very positive on anaerobic digestion |
| Large wind farms and solar farms are damaging to the landscape. 'Micro solutions' should be prioritised whenever feasible. |
| Large offshore options (Rampion 2) are important as part of the solution. It can be more efficient to do large scale rather than lots of small projects |
| It is now possible to install roof tiles which are solar panels. This would do away with the unsightly large panels installed on roofs. This might be allowed in conservation areas. But what would be the cost? |
| Impact of solar / wind farms on local environment & species |
| If farms are producing fuel instead of food, where do we get our food from? |
| If biomass is generated as by product , fine . Don't believe in land being used to grow fuel. |
| I'm worried about peoples resistance and 'not in my yard' approach to renewable energy generation sites. |
| I'm not against wind farms and personally have no problem with seeing wind farms on the South Downs. However, it is a very divisive issue and often leads to negativity about all efforts to combat climate change which then leads to less progress with introducing any green initiatives. |
| I strongly object to sight of solar panels covering areas of the countryside. They are a blot on the landscape and destroy the view. Small clusters of wind turbines would be acceptable to me. As before, the plot dictates the orientation of any building and not the effectiveness of solar panels. |
| I like the wind farm off the coast but not sure about on top of the Downs |
| I feel it's important to balance aesthetics and solar. Public and school buildings are great candidates for solar. Newer solar panels that resemble individual roof tiles should be considered for residential, not the current large panels which stick out visually. I feel these large industrial panels can visually harm certain areas. |
| I feel 'small clusters' of wind turbines on the downs would be largely overshadowed by the off-shore wind farm which, by comparison, is much more discrete, although was fairly disruptive to some farmland when being built. They may affect tourism too but I don't know how much. |
| I don't know enough about some of these ideas to make an informed comment on them. For example the wind turbines on the South Downs. |
| I don't feel I understand enough about biomass energy production but would like to know more.... |
| I am unclear whether it is environmentally better to purchase electricity supplies from green companies such as Good Energy or Ecotricity rather than fit solar panels. My sense is that economic factors can outweigh environmental benefits especially if batteries are involved due to what happens to old batteries. Small scale biomass is ok but not a large scale solution as takes over too much land at least I think that is a potential issue.. |
| Help with grants as the financial outlay is what stops most people from installing solar. |
| Having biomass energy depends on the bio..... being there in the first place. We wouldn't want our energy systems to depend on the existence of cows, and methane production. Cattle farming is a major contributor to global heating, and it wouldn't do to encourage it. |
| Farmland should be used for food production or given back to nature- not energy production |
| Energy production from biomass - biofuel - has been responsible for massive destruction in other countries. We need to be very careful here. |
| Endeavour to be as self sufficient as possible - not leave it to someone else in another area be bare the burden of power provision. |
| design of windows and airflow in new houses to take into account specific location of each new build and renovated house. |
| Costs |

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| Concerns of increased heavy traffic transporting biomass materials. |
| Combined heat and power projects (as an example, one council in England diverts surplus heat from a crematorium to heat the leisure centre and swimming pool) |
| Clear promotion of Solar panel fitters via HDC and Parish Council |
| Careful with biomass crops - are they being managed for biodiversity. What are the transport costs involved? |
| Cannot weigh up my 3 preferences without further information |
| Biomass digesters can be great, but equally if badly done, disaster. Not so much in favour of solar farms as I feel there is enough roof spaces which are therefore already non-nature that should be used in preference to using up ground space for nature. |
| Better design for both solar farms and house units. |
| Being careful about disrupting great countryside views. |
| bear in mind that if there are too many solar panels feeding in to the grid the panels will be switched off. so will become useless in fact less efficient and still taking energy to make. |
| As per questionnaire |
| AS before, a national solution to solar roofing as part of a new build and not an afterthought which is always ugly. |
| Although varied ways of producing sustainable energy is good in principle, I have some concerns about landscape and wildlife impact. Sites must be carefully evaluated. |
| Although the use of solar panels to generate electricity at home appears a great idea there are several issues. Little to no govt support, the state of the roof underneath the panels, who removes them after 25 years and implications for selling a property |
| All the above should be community owned Education |
| All of the above are laudable but cost is prohibitive atm. I'd love to retrofit eco friendly systems to my home but payback when I last looked was >25yrs |
| All great ideas but people will complain that solar and wind farms are ugly. Reducing meat consumption would be good. |
| Again the cost if I have to put up solar panels, how do I pay for it. |
| A balance between wind turbines and the beauty of our south downs to be consider |
| 1. You cannot disfigure Listed Buildings in a Conservation Area with solar panels. 2. Most people would not be able to afford to fit solar panels to their homes unless they were paid to do so. 3. Solar farms and wind turbines are ugly disfigurements of the countryside which prevent the proper agricultural use of the land to grow the food needed. Wind turbines kill millions of birds. Where have all the swallows gone? |
| some people might not be able to afford them and it will make them feel bad |