



**SolarCitizens**

## **SUBMISSION TO THE SOUTH AUSTRALIAN GOVERNMENT'S CLIMATE CHANGE STRATEGY CONSULTATION**

### **WHAT IS SOLAR CITIZENS**

Solar Citizens is an independent community-based organisation that aims to protect and grow solar in Australia. We have grown to over 75,000 members but work with our volunteers and supporters to represent the over 5 million solar owners in Australia, and the millions more who want to go solar.

### **STAND UP FOR SOLAR CAMPAIGN**

Australians love their solar, but despite overwhelming community support, solar is at risk. By taking the Stand Up For Solar pledge you're showing our representatives that a strong solar future is what Australians everywhere want to see. Stand Up For Solar is Solar Citizens' nation-wide campaign for a sun-powered Australia, where we're calling on our politicians to commit to the following solar policy goals.

#### **1. At least 50% renewable energy by 2030**

Australians want to see more solar and renewables, not less. A national goal of at least 50% of our energy generated by renewable energy by 2030 will help millions of families go solar, create tens of thousands of jobs and ensure billions in investment for our sunny country.

#### **2. A fair go for solar owners**

Going solar should be easy but big power companies simply aren't playing fair. We want to see an end to discriminatory fees for solar owners, a fair feed in tariff for power fed back into the grid and a specialist solar ombudsman to protect consumers' rights in every state and territory.

#### **3. Help for households with soaring power bills**

The only guaranteed way people can take control of spiralling power costs is by installing solar. We want to see strong national and state programs to support low-income households and renters switch to solar and help with the rising cost of living.

### **RESPONSE TO CONSULTATION PAPER**

Solar Citizens welcomes the opportunity to submit a response to the South Australian government's public consultation on their climate change strategy. We call on the SA government to stand up for solar by committing to the policy goals of the Stand Up For Solar campaign. We also call on the SA government to make large-scale solar thermal with storage in Port Augusta a reality, creating new jobs for Port Augusta.

We have invited many of our members in SA to add their own submission to ours. We received 56 submissions, which we present to you now below.

### **CONTACT DETAILS**

For further discussion or clarification, please contact Nick Taylor at [nick@solarcitizens.org.au](mailto:nick@solarcitizens.org.au) or 0411442881.

Members submissions

Name	Postcode	ADAPT: How can government, communities, businesses and individuals work together to prioritise and fund activities that build our resilience to climate change?	REDUCE: What are the opportunities for South Australia to substantially reduce our emissions?	INNOVATE: How can South Australia be the innovator in climate change action?	LEAD: What does it mean to you for South Australia to be a leader in taking action to respond to climate change?	CARBON NEUTRAL ADELAIDE: What actions could government, industry and the community take to reduce greenhouse gas emissions from the City of Adelaide and create economic opportunities for the State?	Any other comments?
Elizabeth Story	5075		Encourage EVs by supporting EV manufacture and/or EV conversions from FF vehicles. Improve and enforce building standards for better efficiencies - e.g. encourage white roofs - reduces energy use and lowers CO2 emissions by 20%.	Build a large scale solar thermal power station at Pt Augusta, 50% government owned. Issue Government green bonds to allow citizens to invest in large scale solar. Develop PPAs between owner(s)and councils to allow public to purchase from large scale solar plant. Encourage a company like ALGAE.TEC to set up a plant in SA to produce bio fuels & nutraceuticals. Algae represents the most efficient and fastest production cycle for converting solar energy and carbon dioxide into renewable and sustainable fuels. Install solar panels on Hope Valley or Happy Valley reservoirs-generating power and reducing evaporation. Wave power - invite Carnegie Wave Energy to do a feasibility study on best site.	I am proud that OUR government is taking climate change seriously - supporting new green industries e.g. Tindo and Zen Energy.	Replace street lighting with LED or solar lighting.	
Brian Warnock	5357	Firstly the Governments needs to be honest with all parties, SA Power networks are changing their Billing methods to have a network charge and lower the Kilowatt charge out rate so every one who is contemplating having Solar Power fitted would not have any savings by doing so. this billing change will stop solar power being fitted in it's tracks.	Simple, Fit solar power before the SA.Government change their billing method.	Expose the State Government and SA Power Networks Billing Changes.	Expose the under handed smoke screen SA Power Networks is using by not demonstrating the clarity of bill changes on their web site. The energy providers who will be billing their clients in the near future are not saying anything either.	Use the GMH factor to produce electric cars.not change the billing methods for electricity so solar power can be fitted every where.	Most people do not know what changes SA Power Network are really doing and if they are allowed to continue by putting their current submissions to the Energy Regulator it will be an end for any more solar power being installed. The billing method has always been managed so increases of SA Power Networks costs showed up by increasing the unit price of KW's . Introducing a network charge and lowing the KW unit price is a big problem.
Robyn Byrne	5031	food needs to be grown on the plains, around houses and at schools and community gardens. reduce lawns and all that wasted space. Gardens on rooftops, let's cool the city down, let's retro fit buildings and homes into cooler in summer warmer in winter passive solar spaces, shade the bitumen, shade the glass; get developers to use the sites differently and build passive solar designs, include gardens in their final product and put solar panels on roofs.	Build solar power stations at port augusta; passive solar and solar panels more more more. get cars out of the city.	grow renewables more more more; building design legislation;	inspires me to do more myself and gives me hope and makes me want to stay living here	more trees in peoples gardens, solar panels on city buildings, solar panels on public housing and schools and government buildings, reward people for their reductions within pricing structures, encourage less packaging - recycling still takes energy, less pets and less meat eating too - serve vegetarian food whenever you can - at events, conferences etc - reduce meat portions, smaller and more local stuff like schools so we can walk to places again, insist on passive solar design in new housing and advanced shade trees in landscaping	Go SA, love the logo and this direction - leaders in low carbon lifestyles

Members submissions

Alan Richardson	5290	<p>We'll certainly need to protect our coastal areas from erosion and seawater incursion. Where I live (Limestone Coast) we have the added issue of seawater being prevented from heading inland via our drainage system. May need mini barrages to control this.</p> <p>Climate change also means hotter drier seasons, so agriculture will need to adapt with new drought tolerant crop &amp; pasture varieties, and less reliance on water from the Murray Darling system. Goyders line will have to be shifted South as more country becomes unsuitable for reliable cropping. May need to develop more flexible systems to take advantage of more frequent summer rainfall events.</p>	<p>Can EASILY get rid of fossil fuels for power generation. We're already well on the way. We have HUGE solar and wind &amp; wave resources, plus some geothermal. This is a no brainer! Need much stricter oversight of stupid house and commercial building design. The vast majority take NO account of proper orientation, use of reflective roofs, proper cross flow ventilation, air tight construction, window &amp; eave design etc etc. Desperately need some action on this front!</p> <p>Also suggest incentives to adopt electric vehicles. Can these be manufactured in SA to replace the internal combustion based car industry we're now losing?</p> <p>Finally, encourage wider adoption of smart grids, mini-grids, rooftop solar, battery storage (and perhaps wind) by ensuring a fair FIT is paid reflecting the REAL benefits to the grid &amp; society, including low carbon status &amp; ability to smooth out demand spikes. Need to force retailers &amp; network operators to change the way they pay for and charge for power to benefit the community not just their (often overseas) shareholders!</p>	<p>See above answer re structuring how low carbon power is paid for and how network costs are covered to incentivise solar PV, wind etc. Actively push for Concentrated Solar installation at Port Augusta to replace the closed coal fired facility. Ban fracking for gas extraction. Gas IS a fossil fuel and fracking is NOT environmentally benign!! Move to get remote end of grid communities to set up their own self-sufficient micro-grids, with perhaps a thin connection to the main grid as backup.</p> <p>Encourage consumer and industry adoption of battery storage, but where grid connected, ensure the grid has the smarts to integrate this to benefit both consumers and the grid. May need to mandate installation of smart meters in future, but learn from the Victorian experience. Also encourage adoption of smart switching technology in the home, so that loads can be automatically switched on and off to assist grid stability and to reduce costs for consumers. (eg. Switch on when power is cheap or when domestic solar output is maximised).</p>	<p>Given the lack of leadership from the Federal Government (even with our new PM) it's critical the states pick up the baton. SA has shown leadership in adoption of commercial wind &amp; domestic solar. WE need to continue this leadership. Good for state pride, good as a marketing tool to leverage our clean green credentials, and good to show leadership to the troglodytes on the federal scene.</p>	<p>See above comments. Smart grid, incentives to install more domestic &amp; commercial solar, MUCH closer control of idiotic, inefficient building design and orientation, in fact build some iconic low energy buildings to demonstrate what CAN be done (maybe using CLT timber technology), get the City of Adelaide and State Government to sign competitive (tenders, or reverse auction or contracts for difference) PPA's with clean energy suppliers for supply of power to all their premises &amp; buildings. More public transport, and less cars (unless green cars...see City of London restrictions). Have a major drive to retrofit older buildings with low energy technology. (Sealing, insulation, low energy lighting, efficient climate control systems, solar panels, natural ventilation, etc)</p>	<p>We're heading in the right direction re renewable energy generation, but that's only part of the picture. We can and should make similar strides in many other areas that help reduce our carbon footprint.</p>
David Gill	5172	<p>We need planning for a hot dry climate - shady streets, energy efficient housing and transport. We need to plan for a low carbon future - compact cities well served with public transport. We need to prevent construction on areas liable to inundation by sea level rise.</p> <p>Rainfall and river flows in Murray Darling predicted to drastically reduce - we need to maximize water efficiencies, with more recycling. Low carbon future demands predominantly renewable energy - we need more.</p>	<p>Promoting energy efficiency (largely ignored to now), provide better public transport, plan for a more compact city.</p> <p>We need to develop skills and technology in renewable energy - subsidising a solar thermal plant at Port Augusta would be an excellent start.</p> <p>Emissions from Agriculture could be reduced with education and incentives. SA can change laws and regulations to make local energy distribution and microgrids accessible.</p> <p>We need to foster industries based on hi technology and education. More can be done to educate the public that energy consumption (unless green energy) is more than just cost, we need to make it sexy to be a low emitter!</p> <p>We should avoid importing power generated in Victoria by brown coal!</p>	<p>We need to promote education, training and opportunities for hi tech industries to operate here. WE need more demonstration housing projects with medium density very high energy efficiency to show that housing doesn't have to be the common pattern the building industry churns out.</p>	<p>We are leaders, we need to boast about it - it certainly makes me proud to live in a progressive state.</p>	<p>Better public transport, congestion tax, extend tram lines. Promote green energy use by businesses, provide public display of green energy users. Display energy use (or better still carbon emissions) by the city, with comparisons year by year.</p> <p>Encourage green buildings, green roofs, more trees, cogeneration for large buildings.</p>	<p>Australia has lagged in addressing climate change in a manner that makes me ashamed. At least our state has done better, and I am extremely keen to do more, even if it does cause some cost increases or some changes in how we access our services and how we live.</p>
Jane Bisset	5039	<p>There needs to be more info about how people can retro fit their homes to cope with the summer heat. More regulation/ incentives to build energy efficient homes. Incentives for businesses to switch to green power. Incentives for landlords to install rainwater tanks and solar panels. More trains. Extend the tonsley line to flinders.</p>	<p>Solar panels on public housing. The poorest south Australians can't afford electricity anyway and a purchase that large should help bring the costs down.</p>	<p>We need to have as many plants and trees in urban areas as possible. They will cool the city, absorb co2 and look good. Green walls, green roofs and not just for the wealthier postcodes. There are plenty of fire resistant and drought tolerant options.</p>			

Members submissions

<p>Christian Gelinek 5000</p>	<p>Find existing examples (there are plenty) of buildings designed to minimise energy consumption. Those designs make maximum use of smart shading, orientation towards the sun, choice of materials, insulation etc. to ensure even on hot summer or cold winter days, the building maintains a comfortable temperature inside without spending a huge amount of energy as is currently the norm.</p> <p>Proper insulation is of huge importance.</p> <p>Storage and treatment of storm water can help to reduce the reliance on centrally supplied tap water, up to almost 100% independence.</p> <p>There should be incentives for home builders and owners to take all these considerations into account and even retrofit existing properties with those technologies.</p>	<p>Find existing examples (there are plenty) of buildings designed to minimise energy consumption. Those designs make maximum use of smart shading, orientation towards the sun, choice of materials, insulation etc. to ensure even on hot summer or cold winter days, the building maintains a comfortable temperature inside without spending a huge amount of energy as is currently the norm.</p> <p>Transport is another concern: By increasing frequency, quality and service of public transport options while decreasing the prices of tickets, we can encourage people to use their car less and might even consider buying fewer cars altogether (e.g. one instead of two cars per family in many cases).</p> <p>Car sharing should be encouraged, which can be hugely supported by modern technology such as mobile apps to connect drivers with potential passengers. The aim should be to get more people on average into every car on the street, while reducing the number of cars overall - which has the positive side-effect of easing parking problems.</p>	<p>Shift the focus in universities and schools away from industries which are involved in the extraction, processing and consumption of raw materials such as oil and coal and instead push education about clean technologies, sustainability and decentralisation.</p> <p>Shift the subsidies from huge corporations involved in oil and coal to SMBs innovating in the renewable energies sectors.</p> <p>Support research into alternative living, working and transportation solutions.</p>	<p>South Australia could be the first state to use 100% renewable energy, at least for residential and office buildings. If we think a bit further into the future in terms of transport (electric cars, etc) SA could aim for 100% renewables in total, though exceptions like interstate and international transport (planes, ships) would probably remain.</p>	<p>Find existing examples (there are plenty) of buildings designed to minimise energy consumption. Those designs make maximum use of smart shading, orientation towards the sun, choice of materials, insulation etc. to ensure even on hot summer or cold winter days, the building maintains a comfortable temperature inside without spending a huge amount of energy as is currently the norm.</p> <p>Transport is another concern: By increasing frequency, quality and service of public transport options while decreasing the prices of tickets, we can encourage people to use their car less and might even consider buying fewer cars altogether (e.g. one instead of two cars per family in many cases).</p> <p>Car sharing should be encouraged, which can be hugely supported by modern technology such as mobile apps to connect drivers with potential passengers. The aim should be to get more people on average into every car on the street, while reducing the number of cars overall - which has the positive side-effect of easing parking problems.</p> <p>City planning can decrease the average travel distances between homes and places of work, which will further reduce the reliance on cars in favour of cycling and walking.</p>	<p>Thinking even bigger, we have to realise that our economy is reliant on growth, which unfortunately means also increasing the use (and waste) of (sometimes precious) raw materials.</p> <p>We have to realise that this is not - cannot be - a sustainable model of running a state, a country or the world. Therefore new ways of keeping the economy (or maybe I should rather say the population) happy, while reducing waste, resource and energy consumption.</p> <p>Changing our current way of life to one isn't completely reliant on growth is THE challenge of our politics, economy and society. This area is in dire need of research as well as the courage to try something new and potentially untested.</p>
<p>Toni Baile 5051</p>	<p>I doubt that this government will do anything positive. My thoughts are... stop subsidising dirty coal generators. Give that money for start-up environmental companies. Take the luxury tax of electric cars.</p>	<p>More wind power and solar panels eg: up near Leigh Creek now that the coal production has ceased. That would create jobs for the locals and support the community</p>	<p>More money spent on R&amp;D.</p>	<p>I feel I am trying to be a responsible energy user.</p>	<p>Better public transport</p>	
<p>John Barson 5211</p>	<p>Place a large emphasis on renewables. Pay a fair price for what is exported back into the grid by homeowners - 5c for the fit is hardly equitable when the home owner has to pay 33c approx for usage .</p>	<p>More wind farms and solar farms. Support large industry. In putting solar on their roof tops and rainwater capture - a very large untapped resource</p>	<p>Any new commercial power generators must be renewable</p>	<p>Healthy clean environment to live in. Attract people to our state because of the clean environment and attract tourists and new businesses and create more employment.</p>	<p>Give incentives to large businesses who want to put solar on their roofs. Reduce car transport in the city with a reliable bus , train, tram network where people can leave their car at a hub and catch public transport the last 5-10 kms.</p>	<p>The large number of homes on the South Coast eg Victor have meant that an expensive polluting diesel generator did not have to be built for peak periods in the summer.</p>

Members submissions

David Baker 5090	<p>In the late sixties I read a report which talked about climate change and the effects on each part of Australia. The outlook hasn't changed. We are starting to experience the changes and the climate edge conditions are changing fast. In SA we can't affect the weather now or climate looking forward as we are small but we are on a climate edge where slightly higher winter low pressures will give a good rain and slightly lower will produce a drought. We could plant millions of trees in the west to encourage more rain but the area is too dry to support large trees. But we can set an example and make others feel that they should contribute. For example, we could make it a requirement that all shopping centres and large stores like Bunnings, Stratco and Mitre 10 to cover their rooves with solar panels. The lights these shops use in the day time use many kW of power and they could export what they don't use a 20kW system would cost them less than \$20,000 and they could advertise that they are doing their bit to help. The same could apply to all local councils, they also have large sheds. A recycling charge (like on cans and bottles) on other goods like washing machines, TV, refrigerators, music equipment (of a certain size), computers and laptops. When the item is finished with, the company who sold it is required to pick it up and recycle it appropriately.</p>	<p>We are reducing slowly and progressively so we need to get more people on-board. Produce electric cars at the Holden plant. Require products that carry star ratings have their star rating shown in all advertising. Apply a tax to appliances with low star ratings and tax reduction to the highest star rating appliances. This will need a sunset clause of say eight years. Enlarge and advertise the program to swap CF and incandescent (especially halogen down lights and 150 / 500W backyard lights for LED lighting. Push for LED lighting in shopping centre shops particularly instead of halogen. <a href="http://www.mytradequote.com.au/wp/led-downlights-vs-halogen-downlights/">http://www.mytradequote.com.au/wp/led-downlights-vs-halogen-downlights/</a> 5 hrs average use per day and the LED light pays for it self in 12 months on electricity cost alone. They also have 16 times the life. And use heaps more air conditioning 55 watts vs 9 watts (including transformers). Public transport is growing. To encourage more people to use it use metro-cards only at peak times. Have metro-card machines near to major bus stops. Have competitions where the winner wins a \$500 metro card. It is really encouraging to hear so many bus commuters thanking the driver as they leave the bus " happens a lot in Brisbane, rare until the last couple of years in Adelaide. It indicates that people are feeling more accepting of public travel. Have hundreds of re-chargeable bicycles in the city where people insert a coin and borrow the bike for a while from the recharging rack (I saw it used a lot in Paris). Have an additional electricity tariff for air-conditioners or the owner can have an electricity-supplier-controlled switch inserted so their unit can be switched for ten minutes periodically on high use days.</p>	<p>In the past we used J Tariff hot water (around 18kWh per night per house) to balance the daylight electricity loads. With the uptake of roof-top solar, day usage fell so night usage was reduced by stopping the J Tariff in favour of gas, heat-pump and solar hot water. South Australia led the other states by having a net Feed-in-Tariff as it costs a fraction of a gross FID and it encourages people to use less electricity- so we have done everything right so far. The next step is the Northern Power Plant closure with the shutting of it's mine at Leigh Creek. Then the wind farm on York Peninsular. So then we are nudging 50% renewables and the fun begins. People will start to move off-grid " a bold move as winter can throw up many cloud-covered days in a row meaning some households could be without power for days. As well the equipment will need maintaining to avoid damaging electric equipment. Grid connected houses depend on base-load for the 230v reference and 50 cycle frequency and phase reference, or else the inverters will not work. Torrens Island generators need to run at 100% production for best efficiency and lowest cost but on good solar days that will not happen. When we get to the last 100,000 properties needing solar we need to jump straight to 100% reliable renewables as the current base-load power systems will be very expensive on low load capacity and private companies will walk away. The two best chance we have are solar/thermal at Port Augusta and hot-rocks further north. You will also need to factor-in the increased use of electric cars as they will need to be charged and the energy shift will be from diesel and petrol to electricity. The recent VW car engine fraud will speed this up. The best part is that there are interstate connectors, which have provided (expensive) support on very hot days. If we go well over 100% renewable power, we can export renewable power interstate to high-density residential areas where green power is wanted/needed. Then there is over-seas export. Energy can be stored in hydrogen which can be bottled and shipped like LNG. So while we cannot do much to change our local weather, we can build a whole export industry out of sustainable / renewable energy.</p>	<p>Heaps. South Australia was a pioneering, initiative-driven, private enterprise state from day one. It's great to still be part of that enterprising spirit. Arrange to food shops to indicate low-food-miles food by special shelving or dedicated isles. Require restaurants and cafes to publish food miles for their food and to mainly use/buy local, in-season ingredients.</p>	<p>Under ground water storage. The largest CO2e component in any mainland Australian city would have to be air-conditioning. Back in the 60's, shops advertised in the street that they had AC. Now it is everywhere. We need to do three things " reduce the AC load by changing lighting to LED and reduce the "open-door-to-the-street" policy. Secondly we need to improve the efficiency of buildings with green walls and lastly we need to use cooling chimneys and solar air-conditioning. For winter we can augment AC heating with solar heating systems " all buildings have a roof and a lot of buildings have part of the north face with winter sunlight. Some of these improvements can be retrofitted to existing building and will make more comfortable and clean-air work environments. Electric car chargers at road-side parking.</p>	<p>Propose projects for students at our universities to solve some of the small / contained problems. The plus side is that some will form start-up companies to provide solutions.</p>
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Members submissions

J-P Patacca	5070	Govt: Prioritise provision of support for local industries and enterprises that are offering energy-efficient products. This could be done in many ways, including for example via govt purchasing decisions e.g. buying 'hybrid' or all-electric cars (which will ultimately find their way into the community as used vehicles).		Some suggestions:  1) Govt could facilitate setup of community solar power generation, i.e. small-scale solar photovoltaic electricity generation / storage plants owned on a 'co-op' model by the local community - thus making solar more affordable for residents. Research has shown that the cost of solar photovoltaic electricity is around 16c/kwh taking into account typical equipment and installation costs - which is less than half the price being charged by large utilities. Local / state government could assist with financing arrangements to support interested communities set up and operate such systems.  2) Encourage development of more storm water recycling schemes! Look to Salisbury council's scheme as a possible model for a broader roll-out. Get over the political obsession with 'big sexy projects' with billion-dollar price tags, particularly those ones such as our desal plant which largely utilised overseas companies for design and integration, sidelining our own capable South Australian companies. And now we're stuck with a \$200M/yr bill just to keep the thing 'ready'.....Use our own smart scientists to develop and implement really smart water recycling schemes, to make maximum use of the water that we get naturally in Adelaide during the winter months.	Set ambitious but achievable targets to implement solar / wind / tidal / geothermal etc energy generation to meet the bulk of this state's energy needs. Act on the recommendations of the Royal Commission into Nuclear Energy and waste management currently underway, and (without pre-empting the Commissions recommendations) cut through negative media coverage etc regarding the hazards of nuclear energy by LEADING the community in a genuine informed debate about the pros and cons - which should aim to raise community awareness of the high levels of safety that exist with modern nuclear generation technology.	Complete electrification of our train network! Get those dirty diesels out of here! Then ensure we have 'clean' electricity to power them - e.g. solar thermal or (for the time being) the gas-fired generation from Torrens Island. No more coal-fired power stations in SA!  Get serious about rolling out a separated bikeway network throughout Adelaide. Its almost a no-brainer to understand that if people feel that they can get from their home to key destinations (e.g. the city or to their suburban workplaces) safely by bike they will. Build on the findings of the Frome St bikeway (i.e. no measurable increase in traffic congestion, over 20% increase in cycle traffic, no measurable impact on traders' income) to move forward with the construction of more separated bikeways. Don't stop at a half-baked measure such as just allowing cyclists to ride on footpaths - footpaths aren't designed for efficient bike travel. Make it so several key bike thoroughfares through the city are constructed and get 'priority' with the traffic lights, so its really easy to get from east to west or north to south by bike. Then watch how many more people start cycling. And guess what? More people on bikes in the city will increase trade for city businesses - particularly if bike parking is made readily available on the city streets (easily achieved by converting a number of carparks along each street to bike parks. People on bikes can far more easily stop outside shops to buy things....whereas people in cars just have to keep driving to find those elusive carparks. Its actually people that buy things in the city, not cars! We need to really capitalise on the natural topography and climate of Adelaide, which make cycling an easy alternative to driving, by making it a safe thing for people to do as well.	
Brian Teakle	5032	Learn About sustainable Energy	Add more Solar plus other sustainable energy sources	Develop solar desalination	We need to develop the have ago approach to solving problems	Grow more trees and convert to Biochar . Convert coal to Fertiliser	Schools should have projects that actually save on emissions and use sustainable Energy sources
Cindy Hammet	5016	100% Renewable Energy made fair & affordable for all. Grow Hemp. Build industries to support Hemp products. Shut down all fossil fuel power plants.	Perfect conditions for solar & wind power. Perfect conditions to grow hemp.	Be the first 100% Renewable Energy state. Grow hemp & build industries to manufacture hemp products.	S.A. doesn't lead the way often enough.	Turn off all shop, office & non-vital lighting. Reduce cars in the city. Build more bikeways.	Harvest the sun & wind & make it affordable. Keep our waterways clean. Legalise Hemp
Arnold Neyman	5700	It can only happen if Government supports renewable energy instead of existing dirty energy generators.	South Australia has abundant wind and sunshine. We must harness it.	A solar thermal plant for Port Augusta would see us at the cutting edge of renewable energy production.	Lots of jobs, as is already evident in the production of glass house grown tomatoes at Port Augusta, made possible by state of the art solar energy.	Continuing use and support of solar and wind energy. It's a much better option that going nuclear.	We don't have a great deal of time left to tackle the global warming problem. We must act now and push tried and proven and clean solar and wind energy.

Members submissions

James Ziersch	5252	There needs to be a user pays system, so that those who spend lots of money trying to use natural resources are not penalised, and have to pay more, like they were trying to do with electricity produced from our solar panels.	Using solar power is the obvious answer, and more not less. The prices have dropped and the products have got better, and now batteries are being offered cheaper too! It will be great when electric cars are cheaper and more available as powered by solar panels, then I wont have to park my car all day under a tree.	It seems that a lot of good ideas are bought out by those who don't want change and then shelf the good idea, so that change doesn't happen!	South Australia is a leader in other ways and can easily step out and be willing to try new ways, like the auto driven cars, we are leading others first! incentive for property owners to put solar on rental / investment properties.	Do we all know what we can do as individuals? do we all care? do we all agree there is a problem? I guess we don't, so a lot of education still has to happen.
Ross Cole	5154		The SA Government should provide incentive for solar panel installation by passing legislation that would see power companies rebating a higher value of feedin solar power. This could be in two ways; one for one Kw reduction from grid power to solar input, or 125% rebate of power company purchase price from power suppliers.	By establishing as joint partners with SA Gov and geotherm companies a operating geothermal power generating plant. Government must pass legislation to restrict development on low lying coastal zones in line with a 100year 1meter sea level rise, communities must accept responsibility for land occupation in sea level rise zones without government intervention, business and individuals should reduce their carbon footprint by installing solar and be vocal on carbon emmissions.	SA is the driest and most sunburnt state and should be a leader in technologies and geothermal and solar generation. This would place SA in an enviable position and non reliant on fossil fuel or power supply by the national grid.	Gov and Industry should work together to make available electric recharge stations in and around adelaide and promote electric /hybrid car usage in preference to fossil fuel cars. Make all electric powered vehicles free of government taxes and duties.
Dana Burton	5046					Look overseas to countries like France and Holland for examples on how these countries are behaving ecologically.
Graham Macleod	5113	Ask the normal people of Australia with large scale census type questions! Stop hiring people with agendas?	Be serious about Solar and wind power and raise the target to at least 50% by next year! Support the Electric car with recharge stations and use Fuel cells in public transport.	As Above!!	Reward those who have solar panels and other pollution relieving apparatus. Charge more those who don't and reduce the cost of way overpriced Gas and Electricity!	Plant lot's of tree plantations and recreation parks. Subsidise rain water storage in homes and business. Let's get real and stop talking about these things and actually do them!! No more excuses!
Jim Douglas	5022	The very first thing is to acknowledge that there is Climate Change and that a reduction in emissions can reduce the short and long term effects.	SA is leading the way in reducing emissions .The solar rebate and reduction scheme and a high level of awareness of the benefits of solar and wind power. Declaring the city of Adelaide a emissions reduction zone and setting emission targets is a good initiative .	More solar and higher rebate for power in put will encourage more homes and businesses to install solar . Large Solar Thermal power hubs such as proposed in Port Augusta has great potential.We need clever design and architecture in built form and finding ways of cooling our living and working environments are essential.	I feel proud that we are leading the way however there is still a whole lot more to be done.	Architecture, design ,sustainable materials education at all levels including home owners
Dennis Harriso	5037	Government and private enterprises must work together to fund and support innovations in solar and electric energy. We can do it.	With the closure of Holdens and the Power Station at Pt Augusta we have a great opportunity to look at introducing solar power stations and electric car manufacturing and innovation. Let's wake up and get on with it.	Develop and lead the world in electric and solar energy. Innovate, employ and export our innovations. Don't even think about nuclear energy production.	I want to be proud that our State can lead the world in the new technologies. We have the people .. we have the right environment. Let's get on with it.	The installation of solar panels on all buildings would be a goal to aim for. Electric cars that are appropriate to our environment would be sensible. Improved public transport which would include more tramways and electric buses. Do not venture into uranium technologies!
James Koehn	5075	Remove all subsidies for fossil fuels. Investigate companies like Geodynamis GDY, which had a very promising outlook in the beginning until it appears it was taken over by big coal, and then given the go slow treatment to the point that it has a very poor outlook.	Port Augusta's old coal fired power station replaced with a state of the art Liqueid salt solar facility.	Actively go after the dirty tactics of big coal to shut down Geodynamis. Put that new solar plant in at Port Augusta and show the way for the rest of Australia.	Pride and self esteem... we can do it... we are the leaders.	Get rid of all the bureaucratic road blocks in the way of the 'Tesla Power Wall'. Actively promote electric car production at any one of the closed down car plants... Just ask Elon Musk (founder of Tesla autos), he makes all his technology open source, with his help we could set another Giga Factory here and also manufacture his car under license. Do that and we will go down in history as the state that helped save the world.

Members submissions

Ladan Sahafi	5000	I think being aware of what's happening to our planet and future generations and steering away of mixing energy with income	Subsidising solar energy panels and solar cars	By doing the above and publicly announcing the reason	It'll make me proud to see SA leading	As mentioned encouraging and subsidising solar panels, this may or may not provide economic opportunities but provides something better - being more humane.	
Paul Hoopmann	5159	Initiatives, interest free loans, tax reduction on sustainable projects, legislation, regulations, building code e.g. disallowing unshaded north & west facing windows	Safe bikeways. Solar on all large roof areas (e.g. schools, factories, shopping centres, hospitals. Major projects required to substantially supply their own electricity by solar, wind or hot rock eg Olympic Dam, Desalination Plant	Fund research. Incentives to companies involved in producing technologically advanced sustainable products.	I'm proud SA is leading the way in Australia. I'd love SA to lead Australia to become as advanced as Spain and California in its response to climate change.	Ride sharing schemes. Unimpeded, safe-from-cars, bikeways wherever possible (e.g. alongside railways, drains, creeks connecting to major centres and schools	In three years in the early 1990s I got the largest primary school in the state to reduce its electricity bill by 51%. (The Energy Saving Trial Scheme - selected schools - came with an excellent folder and video. The money saved (starting with education, incentives and correct thermostats settings, etc) was used to buy energy saving technology (e.g. roof insulation, energy saving lights, movement/light detectors in all rooms - or timed switches, skylights, solar hot water, etc. And today we could have added solar PVC as well! Imagine if a similar thing was done on all Gov. and commercial buildings in the state.
Phil Morgan	5092	An overarching body is needed that brings together representatives of the relevant stakeholders and prioritises and coordinates activities for climate change minimisation and management, and its chair needs to be and be seen to be independent. Unless all the stakeholders are on board efforts will be unnecessarily dissipated and resourcing commitments will be insufficient. In summary, get everyone on board and get the right chairperson. Have the body report to Parliament directly - perhaps through a statutory body head if necessary. Have it hold consultation sessions and develop a plan that everyone adopts. The plan will identify the projects, funding, priorities, etc, and everyone formally and publicly adopts it. Have performance indicators written into the plan and report progress regularly, naming and shaming non-performers if necessary.	The State should have a goal of 100% renewable energy usage by 2050. Such a goal gives sufficient lead time to shut down fossil fuel electricity generation and replace it with solar PV, large scale solar and wind energy. The State can mandate that all public housing has solar PV by 2030, for example, and mandate that all government buildings are powered by renewable energy by 2030. There are opportunities through government tendering processes to require tenderers to adopt renewable sources of energy they use to deliver on the tenders.	One example might be that SA adopts the new technologies for domestic and commercial energy storage and promote R&D investment in them. Another might be leading or supporting a consortium to take over the vehicle manufacturing facilities that are being closed and use them to help zero emissions vehicle designers and component manufacturers advance the technologies. Geothermal is another area where investment is required and where the State has unexploited resources. State part- or fully funded R&D into sustainable commercial buildings using PV generating coatings and surfaces is another example of innovation that could be considered.	For the State to lead it needs to set ambitious targets and goals in climate change limiting and management. 100% renewable power generation by 2050 is such a target. Similarly, adopting currently available leading technologies, eg the Tesla wall, means the State is serious about climate change. There is so much being done by so many individuals, groups and organisations, but much of it is uncoordinated. To me, leading means establishing a working framework for all these things.	Carbon neutral Adelaide is relatively easily achieved, because the sources of renewable energy are well established and the Adelaide City Council just needs to implement a strategy to adopt them. Probably one area that needs a lot more work is motor vehicle emissions, but offsets may be the most productive approach. Continuing with solar PV on all, or nearly all, buildings in the CBD, use of wind power for general electricity supply, improved waste management systems, and so on can all contribute to reducing greenhouse gas emissions. Essentially, people need to be convinced that doing these things makes economic sense as well as dealing with climate change.	Government presides over a number of very large projects, so it has the opportunity to set performance standards for the completed piece of infrastructure, including greenhouse gas emission standards. Managing climate change thinking needs to be including across government. If that's achieved, business and the community will follow. In essence, it's not unlike integrated waste management - it took a while to get universal acceptance, but it's there now.
Amanda Miller	5037		Instead of funding dirty coal, there should be incentives for power companies to invest in converting over to sustainable/renewable/clean energy. Support them in the quest to remain in production and continue employing people in the power sector.	Investigate conversion of our lost manufacturing plants and workforce (such as the car industry) to production of solar products and parts etc.	Create solar farms, reinvigorate manufacturing with a view to producing and leading clean energy into the future.		
Allan Ward	5066	Start with directing ALL government Depts to install solar water heating and solar electricity panels. Then move to Local Government.	Install LED street lighting would reduce electricity consumption enormously. Complete ALL of the Adelaide Metro Rail system to electric rail - don't just talk about it !!!	Look at the rest of the world - Germany is past 40% and heading for 50% energy from alternative technology - it has a huge thirst for electric power, yet does not enjoy the sun we have in this country.	Good effort but still too slow. We could have solar-thermal at Pt Augusta. Action NOT just words. We need more Joy Baluch's !!!	Greater adoption of solar building surfaces, more efficient houses, greater use of electric vehicles.	Reduce all day parking in the city, and encourage day workers to use public transport.



Members submissions

Alan McMahon	5700	Investment in R&D for agriculture, transport Rewrite the building code for energy efficiency (old stone homes that are energy efficient do not rate on the current code?)double glazing to be min standard.	Concentrating solar Power station with storage for Port Augusta.	Investment in battery storage and electric vehicles. Review and renew building codes for energy efficiency. Awards for innovative and R&D activities that reduce greenhouse gas emissions	SA is small state with a small population. Lets not get too carried away with ourselves. Just be the best we can.	Stricter building codes for energy efficiency and green buildings for ACC area that is planned to be carbon neutral	Solar powered recharging station at 300 km intervals throughout SA. First one to be built at the new Ecomotel in Port Augusta.
Persephone Mayald	5252	By offering interest-free loans to householders to instal solar panels, the repayments being no more than current electricity bills.  By investing in a smart grid that is adapted to the wholesale generation of solar electricity by homes and businesses.	By lifting the outrageous ban on all feed-in tariffs forever for householders who wish to add to their existing solar array.	By financially supporting individual and business solar energy installation, including the Powerwall, by building wind farms in our northern areas, and by pledging to generate all electricity from renewables by 2025. Little backwater SA can become the leader of Australia in the switch to renewables. I would be so proud of us!	I would be so proud of us leading the way that Australia desperately needs to go.	Interest free loans for installation of renewables, and for energy upgrades for all buildings. We especially need to fund double-glazed windows in all buildings.	The global situation is rapidly approaching a climate catastrophe that I don't even want to imagine. It literally threatens to wipe out most of humanity. We have to do everything we can to preserve this planet as a habitable place for us and for all of life.
Brian Visser	5172		A good start for SA would be to build a solar thermal plant to replace the coal fired generators in Pt Augusta			Advances in wind turbine technology make them a much better prospect for clean energy	Too much talk & insufficient action from governments of whichever flavour. Stop grandstanding & get on with this serious job of providing clean
Eva Haehr	5161		Make it cheaper to get solar.	By telling the Government to either bud out or provide more incentives to homes and businesses to install solar.	In order to become a leader in climate change, the Government needs to listen to the public and businesses and keep increasing renewable energy target by 50% now and not by 2030, it is time to act now and act fast.	y making it easier for the Solar Industry to expand instead of having to cut jobs left right and centre due to the Governments reduction and red tape everywhere.	There government should do their utmost to hinder the big Energy Providers from constantly increasing electricity / gas prices.
Thanasis Avramis	5069	Much as Playford once did with the car industry, South Australia has no choice but to invest in the then industries of the future. Playford's initiative at the time led to many productive decades of employment for the people of SA.  For the next few decades, renewable energy offers a similar potential for both large industry and small. Except this time, we work with the aim to minimise ecological impacts.  There already are a host of risk-takers out there prepared to do the hard work of developing renewable energy.  However, the enormous twists and turns and overall variability of policies and support by Australian Governments over the last 20 years has turned out to be one of the major risks. Simply stated, Government has to commit, on a bi-partisan basis, to provide continuing and effective support.	1) Dr Mark Diesendorf has identified a number of strategies and projects which will support renewable energy in SA. This includes investment in larger scale solar thermal plants (much like the proposed Port Augusta Solar proposal) but also to improved transmission lines interstate. Refer to the Conservation Council's report for more.  2) Emissions are also created by other sectors of the economy, notably from both car and truck exhausts. Several types of initiative are needed.  Firstly, a substantial improvement in public transport such that a significant numbers of cars cease to be needed for personal transport.  Secondly, the vast majority of the truck fleets in this country should be converted from diesel power-trains to electric power-trains. One of the founders of Tesla has set up a company in the USA to undertake but he is only one of many. To effect this change requires regulatory force and possibly investment in a battery manufacturing facility. The latter would be useful in any event to supply batteries for domestic and commercial power storage.	See above.	At various times South Australia has shown itself to be nimble and able to innovate eg in the Arts. One can point proudly to some events and say that Adelaide is not a bad place to live. Let's keep this up.	This can provide an excellent opportunity to test some of the features of a carbon neutral economy and society - particularly for domestic and small commercial purposes. However, unless it is just to be another short-term PR led exercise in appearing to do something, the regulations and financial models that support any initiatives in the CBD must be equally applicable to the rest of Adelaide and to rural communities.  The solutions proposed by Dr Diesendorf and for transport are much wider in scope than one small part of one small city.	

Members submissions

Rod Munro 5088	<p>Government can reduce and eventually cease all Fossil Fuel subsidies. Low cost Green loans can be provided to residents and businesses Communities should be supported in creating micro-grids which share PV power.</p>	<p>Continue to support wind power. Mandate solar hot water and PV on all new buildings. Incentivise the installation of PV on Eastern and Western roofs to smooth out the peak usage and generation. Mandate cool roofs. Light coloured roofs or a combination of Light colours, PV and green roofs. Mandate solar gain design principals as well as correct orientation. Encourage Public transport, cycling and walking over motor vehicle use. With Australia no longer manufacturing motor vehicles we have no need to encourage their use. Encourage the purchase of EVs over internal combustion and encourage Electric modification of the current fleet. Electrify our rail network before building any more roads. Ensure our interconnection with the Eastern States has the capacity to export our excess and import any deficit when needed. A price on carbon is a great way to reduce emissions. Investigate a model for landlords, including the Housing Trust, to sell solar energy to Tenants. No Nuclear!</p>	<p>Set hard targets with milestones. Support local businesses involved with renewables and energy efficiency. Aim for 100% ASAP Encourage or assist households in obtaining energy meters. I use a Wattson which is a constant reminder of our current energy usage.</p>	<p>I am proud to be a South Australian knowing we are a leader in Renewables, recycling etc.</p>	<p>I think the solar and storage incentives are a great start. Many businesses are leasing their premises though. Support local RE businesses. Reduce vehicle movements into and through the CBD</p>	<p>I think councils have a major role to play in increasing energy efficiency standards of buildings. I have just had three row houses built next door. Black roofs with no foil sarking. No Northern windows, Large East and West glass. I pity the buyers/tenants. With FITs coming down I expect PV installations to drop off however many people don't realise the side benefits from installing PV Enough panels give good shade to the roof in Summer. On average people reduce their energy use by 25% due to taking an interest in their usage and wanting to make the most of their investment. If households have cash to spare they won't find a better performing option. Even borrowing to install PV will pay for itself. Batteries will continue to fall in price negating the loss of FITs.</p>
Mary-Ann Lovejoy 5007	<p>Encourage roof top solar with incentives for homes and businesses and all levels of government. Ensure all new government builds and private homes meet the needs for their own power generations. Offer incentives where necessary.</p>	<p>Replace the two coal fired power stations in Port Augusta with Australia's first solar thermal plant. Encourage further development of wind generation, which recent UK research notes is cheaper than other types such as nuclear: <a href="http://www.theguardian.com/environment/2015/oct/07/onshore-wind-farms-cheapest-form-of-uk-electricity-report-shows?CMP=ema_1731">http://www.theguardian.com/environment/2015/oct/07/onshore-wind-farms-cheapest-form-of-uk-electricity-report-shows?CMP=ema_1731</a> Nuclear should not be permitted in SA, due to high cost, risks of accident, and lack of adequate and safe disposal of waste. It is completely unnecessary in our state because we are fortunately placed to develop so many more, safer and cleaner options.</p>	<p>Promote and encourage existing examples of energy generation (such as that in play at the Adelaide Showgrounds) to be self-reliant in energy and water. Encourage investment and development of battery storage for homes, business and government buildings.</p>	<p>Encourage purchase of hybrid vehicles by offering reduced registration fees, as in Victoria. (I wrote to the SA minister about this but was discouraged by the negative response.)</p>	<p>Transition from coal to renewables. Train employees to transition from old to new industries. In this way, SA can create new jobs in new industries to help replace losses in manufacturing of cars, etc.</p>	<p>DEFINITELY, NO TO NUCLEAR POWER IN SA.</p>

Members submissions

Graham Bartlett	5159			The government should come up with a scheme or policy to solarize public housing. Most folk in public housing would be happy to pay their electricity accounts knowing that it was subsidising their own solar installation. Currently it is not easy or even possible for this to occur. This would be a popular move to raise our communities awareness of solar and renewable energy. I am sure a scheme could be devised to do this with not a huge amount of money required from the public purse.	We all need to do as much as possible to reduce greenhouse gases. This isn't just a state issue but why not be a leader in this country anyway as clearly we need to do much more than the current fed government plan. That plan is playing russian roulette with our kids future. Not nearly good enough.		We have the space and the climate to set up a dozen large scale solar plants easily. They can be built now with energy storage built in which makes them a 24x7 supplier. Wind turbines have their place also to spread the load on dull days. We may only need a couple of modest gas turbine systems to ensure base load. Wind turbines are now being hailed as less costly than coal. We must kill off coal as soon as humanly possible to ensure our long term prosperity. Business generally is concerned that coal is a serious business risk and its collapse is not too far off anyway.
Robert Wharton	5050	Convert the coal fired Pt Augusta power station to solar-geothermal power	Provide greater opportunities for both residential and industrial thermal power.	Encourage innovation in solar, wind & geothermal power generation	With abundant natural resources for alternative forms of power generation SA should strive to be a national leader in alternative technologies	Encourage increased use of public transport. Levy on the use of private vehicles and parking to subsidise public transport fares	
Andrew Rufus	5158	provide fair feed in tariffs of excess solar power to make installation more affordable. Encourage installation on all rooftops business and private	reasonable feed in tariffs	move away from centralised power production. have solar power support the grid with local small scale storage/generation to backup when solar output reduces or isn't enough	lets make SA the lead state in something as important as this. lets be recognised as innovators and leaders and attract business investment	lets move to solar, wind with power storage facilities. maybe some smaller scale nuclear facilities to support the grid plus localised generation to also support local suburbs/streets when renewables are insufficient	
Hazel Francis	5165		Solar thermal at port Augusta and gradually transition to renewables over the next 20 years.	continue with solar growth in the private and commercial sector and invest in renewable research and technology	It desperately needs to take the lead in something and stop living off the rest of the country.	Put in place green technology and educate the population and businesses how to become carbon neutral	
Jason Edwards	5111	Solar - small and large scale Wind - look into small scale domestic Energy efficiency Higher FIT for green energy	as above & energy storage.  Change all public and community lighting to standalone LED	Look into total solution of small scale wind, solar & energy storage for groups(e.g. apartment blocks and perhaps streets). Could be trialed on a new housing sub-division	Jobs	Look into total solution of small scale wind, solar & energy storage for groups(e.g. apartment blocks)	
Andrew Hayton	5253	Have some co-ordinated plan adequately researched, funded and implemented to address the issues	Improve the financial rewards for those who convert to renewable energy. Mandate a decent financial return from the electric companies	Try the more extreme methods of energy production	I feel good that we hold that position but worried that the recent government policies have set us back	Make public transport more user friendly, cheaper, more co-ordinated across all modes Improve the synchronization of traffic lights to reduce stop start traffic and the associated idling time	Avoid political posturing and point scoring. Do it for our children
Rowena Dunk	5067	Greater use of renewal energy on both private & public buildings. Harnessing of solar energy for use in electric vehicles.	Funnelling of government funding into Port Augusta area for solar work on commercial scale as Alinta closes.	Commercial development of solar powered electricity in far north.	SA will then be a leader with jobs to offer our young people as we go into the future. The renewables industry will expand if given government & industry backing. Clean & green as other dirty industries close down. We still need electricity to power our way of life.	More solar panels, more tree planting as has happened in City of Sydney which is carbon neutral.	Get on with it.
Ramon Lahainer	5352	Not sure.	Promote the use of renewable energy. Both small scale and large solar and wind. There is so much sunshine that is not being utilised!	By actively promoting recycling, renewable energy and perhaps by having a minister designated for climate change action and actively promoting renewable energy.	It would make me proud to live in SA and vote for a party that takes climate change seriously.	Expand the Solar City concept.	It would be great if Port Augusta could be a hub for a solar power station, both for employment and to demonstrate what can be done and to reduce CO2.
Rod Kemp	5152	It would be good if governments and politicians individually told the truth about renewable energy versus fossil fuel. Most thinking individuals know the facts but many are misled by distorted arguments from politicians beholden to the fossil fuel lobby.	Solar and Wind energy is freely available in many parts of South Australia	We have done quite well so far. We must continue to encourage investors in both domestic and large scale renewable energy. It's time feed in tariffs were actually linked to a fair value for the power created and the overall savings to the environment.	I think it's great. I am proud to be a South Australian when I hear about our renewable energy leadership	Reduce the cars in the city by establishing car parks on the outskirts and using eco buses to serve the city centre	

Members submissions

John Coulter	5153	Recognise that the future lies with electricity generated from renewable sources. Expand renewable energy generation and expand the use of renewable energy for public transport within and between Australian cities.	Refuse to allow any further exploration for fossil fuels or to exploit those fossil reserves we already know about but have not yet begun to exploit.	As above	South Australia is already a leader in certain aspects. Recognising that the future is an electric one removes fear that we may generate too much renewable electricity. Build a major interconnector into the NSW grid so that any excess renewable electricity can be sold into the NSW grid.	Limit population increase. Recognise that more people means more energy use even if each person uses energy more efficiently.	Climate change is a symptom of an environmentally unsustainable trajectory/economy. Recognise that successfully tackling climate change is not sufficient. The continual pressure for every more economic and population growth must be reversed.
Judy Visser	5172	CONSULT but not for over extended periods and then do NOT ignore the findings for political expediency. Really popular initiatives could be crowd funded. Encourage home growing of as much food as possible/community gardens to teach the skills.	Provide more energy efficient public transport with well thought out link up time tables to encourage people to leave their cars at home. Phase out all coal fired/electricity driven power stations and investigate all alternative energy sources. The information is out there - forward thinking/planning countries have made great strides in recent times leaving us far behind. Shame we have gone from front runner (as a nation) to playing catch up. I hope SA continues to lead the way and I do NOT mean by spending millions to save a paltry 5 mins on a journey. Build a better sized car park at the current OBahn station and accommodate more people on the existing track.	Build the first salt tower solar system at Port Augusta. The locals have been requesting this for years - listen to them. The jobs are vital to the region.	Future security with affordable water and power. The world is moving away from fossil fuels and SA needs to follow this trend. The young, clever brains are here - keep them here and provide employment in areas other than service industries.	The government could extend the rebate for new solar installations to encourage householders. Industry would benefit through demand. Roof top gardens to keep buildings cooler. Info would be available from London City Council UK. Rain water storage to aquifers as per Salisbury Council wetlands.	Better planning laws which do not allow developers to cram in extra houses at the cost of proper orientation for our climate would save tonnes of emissions from air conditioner use.
Heather Heggie	5271	Stop subsidizing fossil fuel industries. Restore SE wetlands. Put carbon into soil and plant trees, reeds, grasses, bushes, anything green everywhere. Especially in soulless Adelaide! Set an example with Victoria square. Plenty of shade trees in urban streets. Keep cities and towns cool.	battery backed solar. All homes, government buildings etc. solar powered. Owl wing wind turbines. Electric car friendly state. And trucks and tractors.	Become the power supplier for Asia just as Morocco wants to supply Europe. Sell intellectual property and technology for making soils more water holding as advised by Michael Jeffries ex-GG.	SA has always been the cleanest state in Aust and possibly the world and education and research outstanding. I have lived in Melbourne and it may be bigger and grander but it is also much dirtier. It would make SA the shining light for all dry nations.	Watch carefully what is happening in Europe and Scotland with their wave power. Do not waste any more time or money on digging up dirty fossil fuels as this is the cheap dollar that only prevents more creative and hopeful visions.	The world will experience huge water shortages and refugee tides very soon because of increased evaporation and population explosions and disappearing Pacific Islands as Sea levels rise. Do everything possible to support the international community combat global warming. If it gets too hot for bees it is too hot for us. If birds go, bugs won't. Ignore the billionaires from lesser democracies than ours. We don't want to become a failed state chasing quick and easy money. We want to remain a solid egalitarian civic society.
Enrico Ferri	5011	Embrace best practice in renewable energy.	The SA government has shown leadership in renewables. I think the SA government can continue to show this leadership by backing solar and wind energy.	Set high targets for renewable energy and do the best to achieve these targets. If they cannot be achieved at least they will have tried.	SA is a leader in Australia, keep raising the benchmark.	Work together to implement renewables such as solar on as many rooftops in the CBD, maybe even small scale wind energy as well.	
Peter Brinkworth	5051	Create an advisory body containing reps from all interested sectors to make recommendations to be implemented using an incentive scheme. Get the media and high profile people and organisations to help promote this.	Legislate for actions which will do this e.g. support the use of solar power and wind power, higher emission standards for motor vehicles, public transport, use of pedal power	Encourage sunrise/innovative high tech industries by making facilities and sites available to enterprise companies which can drive change	Given Australia's overall poor record so far I would like to feel that this state can be a lighthouse for change and show the other states how it is done: SA proud.	Encourage the use of carbon neutral buildings and public transport. Use a star energy rating system for all new housing and building developments	It would be important to produce a vision statement and some achievable goals which are independent of whoever is in power.
Alisha Thompson	5035	Build more bike lanes and encourage more companies to be self-sufficient- e.g. supply own power mostly with solar or even have a garden to provide food or plant trees to offset emissions.	Build solar thermal and divest from fossil fuels! Try to use cars as little as possible.	Build solar thermal	As Australia falls further behind, South Australia could prove naysayers wrong by demonstrating how easy it is to be self sufficient with electricity.	Build more bike lanes. A separate lane, similar to a mini lane, with a two way bike path. And also build solar thermal!	
Richard French	5048	Low interest loans to commercial entities to develop large scale solar electricity generation.	Development of large scale solar such as that proposed for Port Augusta.	Fund research at university level to develop improved solar electricity generation and storage system.	SA has long been a leader in beneficial social change; the challenge to replace coal fired power stations is such a beneficial social change.	Charging stations for electrical powered vehicles and more bicycle lanes would reduce the number of fossil burning vehicles in the city.	

Members submissions

Richard Clifford	5112	Every business, industry and households should prepare a plan to switch from fossil fuels to renewables, ie solar wind etc within 5 years.	All coal generating plant must be served with a notice to Quit within 5 years and replace their equipment with solar.	Nationalize Holden's and replace management with staff capable of designing electric vehicles and batteries.	Less pollution, calling a halt to rising temperatures, give serious consideration to rising population levels.	Electrify the Gawler train. Build new solar and wind power stations at Port Augusta to match those built in USA and Spain	Reform Economics, follow the example of Guernsey who printed money, paid contractors to build superstructure - schools, roads etc. this worked well for over 100 years without inflation. no additional taxes were charged, no interest charged and debt was paid off. The present system, creating money as a debt on loans is likely to collapse in the next couple of years.
Benjamin Ford-Davies	5045	The Government could start caring about the future	Take a leading role globally rather than waiting for everyone else. The opportunities are endless.	Solar	It would be nice to think that Adelaide could be ahead of the game for once since Dunstan.	It is brand new industry as yet untapped. Not only will it create opportunity and bring people here it will attract intelligent professors at the top of their field to have a place to come and actually make a difference when of course the rest of the commercial and capitalist world has no interest in this subject.	Is this questionnaire designed to delay change? I would have thought the answers to all of these questions would be palpably obvious by now and was surprised to find myself wasting time answering.
John Elliott	5211	By focussing on long term objectives and enhancing the investment benefits, both social and financial	Promote and support non-fossil fuel energy initiatives. Allow some to fail, others will prosper, and those are the one to focus on.	By funding research through the universities, CSIRO and approved entrepreneurs. Make start-up grants and loans available to get serious projects up and running.	Too late for the world stage, but in Australia, we have been leaders in the past, we can do it again. We have huge amounts of sunshine.	Fully electrify public transport. Fully fund waste recycling to generate energy and re-usable by products. Extract everything possible from waste, water, fertilizer, metals and plastics.	Don't wait for someone else to take the initiative, get started today. The world will not wait, climate change does not do special deals or make exceptions.
Beverly Driver	5171	Pay attention to the decreasing job market in SA. 40,000 jobs lost in the last few years does not make for happy voters.	Go Solar big time and provide employment in creating, installing, and producing solar energy on a large scale.	Discover and use the latest technology in storing solar power for the down times in the day, to supply energy and export it.	Go Solar would make SA the lead state in renewable power, and reduce carbon emissions.	There is already a vast network of power grids and supply lines at Pt Augusta and Leigh Creek. I have lived in those areas for some time, I know there is plenty of space to lay out many sq K of solar collectors. Change the current coal power to solar and use what we have to share.	With the lower Flinders offering a vast area of western facing slopes behind Napperby, Pt Pirie and similar areas - salt flats that are currently under used, solar cells could be installed that would not damage the ecology, provide shade for the fauna, and generate energy for SA to share.
Randall Poole	5052	Provide incentives (eg. tax breaks) for those that can demonstrate significant use of renewable energy or minimise emissions.	Reduce the power and influence of Electrical companies to discriminate against people that want to adopt renewable energy. Mandate solar for all new buildings (domestic and commercial). Dare I say go small nuclear generator.	Provide incentives for Renewable Business to set up in SA (we use to give millions to Holden, so why not to Renewable Companies - why not build Tesla cars in SA!) We should be a global hub for renewables like Silicon Valley is to Tech.	It makes us responsible global citizens - it enables us to showcase our capabilities (both people and industry).	With Cheap Renewable energy it will enable us to attract business & industry and bring them into the fold of responsible development	SA Govt needs a bigger vision for how Renewables can re-stimulate the SA economy and reduce our reliance on Farming and Mining - Why not mine renewables - sunshine - geothermal - wind!
Gavin Jackson	5016	Government must take the lead and set up infrastructure, to attract business to SA. this must include cheaper forms of electricity and water.	Solar batteries for households to go off grid. Nuclear power plants and a lot of investment in tidal generation (backstairs passage in an excellent site)	by not having a committee for everything, getting off your arse and doing something (not a bloody meeting)Tide, solar, wind. look to California and pour time, effort and money into these	it means that our leaders are doing that not just working for the next election. sadly our politicians are very poor and the faceless public servants are not accountable or visible.	legislate to have energy efficient buildings only being built. not boxes that need heaps of air-conditioning all the time.	Sadly SA is lacking in leaders with more than a four year maximum vision and the public servants are a law unto themselves. I doubt that SA will lead anything except the race to the bottom.
Frances Reid	5016	Support renewable energy strategies	Invest in solar	Encourage and subsidise solar energy	Demonstrating intelligence and vision	Invest in solar!!!!	