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Dear climate change staff.

I am delighted to read some of the initiatives that the SA Government are hoping to introduce centred on climate change that will help improve air, water, soil and environment quality for everyone.

Some possibilities that involve local design, construction and maintenance you could consider are:

Constructing a high temperature sola thermal power generating plant. The PS10 Solar Power Plant in Spain is a commercially operated plan as an example. Something like this could be located in remote locations in SA.

Constructing a small scale high temperature sola thermal power generating plant. This could be located in the City of Adelaide to help the 100% carbon free initiative. Not only would this generate electricity for Adelaide, but be planned to be a tourist attraction for Adelaide.

A further idea is to encourage 100% electric cars and vehicles to park in Adelaide for free. These vehicles are emission free. The carbon soot and nitrogen oxides emitted from petrol, gas and diesel powered vehicles are harmful to people. Adelaide City Council could also consider providing charging stations for 100% electric vehicles.

On the roof tops of city and home buildings, encourage the further use of photo-voltaic panels. Although some carbon was produced making these panels, over their lifetime, they are carbon reducing.

On the roof tops of city and home buildings, encourage the use of low temperature sola thermal heating devices. These can be used to heat water and warm the air inside buildings.

If Adelaide City is going to have a 'green' image, then planting many trees will be required. City stormwater could be collected and simply treated and stored for drip irrigation of the planted trees.

Feel free to contact me for further information.

Regards,

**Tony Carlisle** PhD

Biomedical Engineer