

Climate Change Survey

1. Name and email address.
2. Are you a resident of the Shire of Serpentine Jarrahdale?
 - Yes.
 - No - please provide your connection to the Shire, if any.
3. Regarding the effects of Climate Change, what are your major concerns?
 - Increase in the number and intensity of **extreme events** such as hot days, heatwaves, storms and flooding.
 - Increased risk of **bushfire** and longer bushfire season.
 - **Health** impacts such as from heat.
 - Increased **costs** of energy use and insurance.
 - Risk to the **environment**, including diseases, drought stress, migration, ecological change, biodiversity loss.
 - Risks to **property**, such as from fire and flooding.
 - Reduced availability of **water** for people and the environment.
 - Loss of **vegetation** in urban areas and changes to public spaces such as sports fields.
 - No effects of concern.
 - Other – please comment.
4. Have you been impacted adversely by high temperatures during Summer months?
 - Stayed **home** more than usual.
 - Spent time in **public facilities** with centralised air conditioners.
 - High energy **bills** and increased air conditioner use.
 - **Health** issues such as difficulty sleeping, lethargy and low energy, sore throat, dizziness etc.
 - Children **missed school** and/or adults **missed work** due to weather.
 - **Pets** affected due to lack of shade or exercise.
 - **Garden** and lawn affected by heat or lack of water.

- **Sports** and other events cancelled due to weather.
- No adverse impacts.
- Other – please comment

5. What do you think the Shire should include in the updated Climate Change Strategy and Local Action Plan?

- **Science of climate change and potential impacts** on the Shire.
- **Increase natural/artificial shade** (trees, shade sails etc) around developments, parks and playgrounds, public spaces, footpaths and cycle paths.
- **Increase the urban forest and other vegetation** by encouraging tree retention in new developments, planting more street trees, encouraging residential gardens and green spaces.
- **Reduce energy use and carbon emissions**, such as by implementing a zero emissions target, purchasing carbon offsets, installing renewable energy systems, transitioning fleet to hybrid/electric vehicles, investigating opportunities for large scale energy parks and community batteries, installing electric vehicle charging points.
- **Reduce water use**, such as by waterwise irrigation systems and retrofitting facilities with low water use systems.
- **Environmental management**, such as to increase resilience of natural reserves, create green corridors linking reserves for movement of people and animals, build systems to conserve water in parks and reserves, provide water sources and habitat for animals and plants.
- **Establish a climate action fund** with cost savings achieved from installation of renewable energy systems.
- **Emergency management** that builds community resilience to natural disasters.
- **Advocate** for Commonwealth and State government financial incentives and policy/legislation changes.
- **Educate residents on adaptation** by changing lifestyle, modifying houses, landscaping, supporting alternative building products and building designs that are climate appropriate.
- **Employment of a Climate Change Officer**
- Other – please comment.

6. What do you think the Shire should be doing to manage the impacts of climate change on its operations and assets?

- **Build climate resilient buildings** with sustainable designs and materials
- **Maintain and update assets** to maximise their efficiency

- **Install renewable power generation** facilities and batteries
 - **Increase tree canopy cover** around buildings and other assets
 - Encourage, support and install **rainwater, stormwater and greywater recycling**
 - **Conduct energy and water audits** of buildings and facilities to identify opportunities to reduce energy and water use
 - Transition fleet to **hybrid/electric vehicles**
 - Retrofit parks and facilities with **low water use / low energy use systems**
 - Other – please comment
7. What do you think the Shire could do to help the community and local businesses to manage and adapt to the impacts of climate change?
- **Incentives** for energy and water efficient appliances and products
 - **Educate community** on making their dwelling and garden energy and water efficient
 - **Encourage the installation of home renewable energy** systems and batteries
 - **Promote sustainable** businesses and products
 - **Encourage working from home** options on extreme weather days and provide publicly available cool spaces
 - **Empower community to deal with natural disasters** such as bushfire and floods, and develop warning systems
 - Other – please comment
8. Do you have any other comments on the draft updated Climate Change Strategy and Action Plan?