



**Port Augusta**

CITY COUNCIL

**Regional Public  
Health Plan  
2015-2020**

## **Regional Public Health Plan for Port Augusta**

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“Public health in the 21<sup>st</sup> century has a lot to do with the way our community is organised and how our society shares its benefits and advantages. It’s about how we protect ourselves and how we rise to the challenges and risks that threaten our communities, whether natural disasters, widespread diseases, or social or economic shock that strain the very fabrics of our communities. It reflects how resilient we are, how we recover from hardships and breakdowns, and how we can together rebuild and restore our sense of wellbeing and community. Therefore, public health is about all of us preventing the causes that make us sick and build on those things that protect us and improve our health and wellbeing.

It is well known that Aboriginal people across Australia, experience entrenched poorer health on average and are shown on almost all social and health measures to be at a significant disadvantage when compared with the rest of the population. While there is a wide range of strategies developed by Local, State and Commonwealth governments in collaboration with Aboriginal communities, there remains a significant task to close the gap.”

The above extracts from “South Australia: A Better Place to Live”, essentially the Public Health Plan for South Australia, provides the foundation for the Regional Public Health Plan for Port Augusta. The Population Health Profile of the Port Augusta Local Government Area commissioned by the Local Government Association has also been used to assist in the preparation of the Port Augusta Health Plan. The Population Health Profile is attached to this Regional Public Health Plan as an important resource for identifying gaps in health and well-being vulnerabilities which impact negatively on health outcomes for the community.

Some of the more significant areas of concerns, as identified in the Population Health Profile, as compared to the non-metropolitan average, include: higher level of smoking while pregnant, lower immunisation rate, higher levels of obesity in children, higher level of people aged 0-19 accessing Child and Adolescent Mental Health Services, higher level of Type 2 Diabetes, higher level of adult mental health issues, overall higher level of smoking within the community and higher suicide levels.

Of real concern to the community was a letter from the State Minister for Health in 2010 that highlighted that during the period January 2005-December 2007, *“The number of cases of each cancer type that occurred in Port Augusta in this period was close to the number expected for State averages, except for lung cancer, where the number of cases was double the expected number.”* It is of concern that the cause of this high number of lung cancers have been attributed by SA Health to people smoking and that no definitive studies have been undertaken into the impact that fallout from the coal fired power stations may have had on this significant incidence of lung cancer.

The Regional Public Health Plan for Port Augusta is a consolidated overview of the Council’s vision for a healthy community and identifies the activities within this area that Port Augusta strives to achieve through the various programs and services offered within the community, and where identified, Council will work in partnership with and support other lead agencies in addressing health issues being experienced throughout the community.

The key to our health and to “community” is that we belong; that we have a sense of place, a sense of worth and a sense of belonging to the community within which we live. There is a clear challenge for Port Augusta to build an integrated and harmonious community where every resident feels they are an integral part of that community and feel that they are accepted by all.

The following strategies from the Community Vision and Strategic Plan 2013-2017 and Council policies and plans are re-assembled in this document to provide a “Health” view of Council’s endeavours:

In view of the key role the Regional Public Health Plan will have on the wellbeing of our community it will be the responsibility of the City Manager (Chief Executive Officer) to drive its implementation and ensure its achievement.

(Note: SP – Identifies the Strategic Plan 2013-2017 Strategy Number. SMS – Identifies the Substance Misuse Service Action Plan Number)

<b>A. STRONGER AND HEALTHIER COMMUNITIES AND NEIGHBOURHOODS FOR ALL GENERATIONS</b>
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**1 Physical and Social Infrastructure**

1.1 (SP 1.1.4) Upgrade Airport Facilities to cater for the growing number of air services.

*Measurement: Airport Terminal upgraded.*

1.2 (SP 1.1.5) Realise the future development of the Town Hall and Civic Precinct.

*Measurement: Completion of project.*

1.3 (SP 1.2.1) Work with other spheres of Government and the business community to address all potential residential attractors for people working in the mining sector, including employment for partners, housing, transport and services.

*Measurement: Increased number of ratepayers.*

1.4 (SP 1.2.2) Assist our community to make the most of the National Broadband Network rollout to improve business and social opportunities.

*Measurement: Increased use of internet by residents and businesses.*

1.5 (SP 1.2.3) Advocate for additional tertiary education opportunities in Port Augusta to assist our Aboriginal and Non-Aboriginal community members to further their education endeavours and ultimately their employment opportunities.

*Measurement: Increased numbers of local people undertaking training.*

1.6 (SP 1.6.1) Continue to advocate for a second bridge and an upgrade of Yorkey’s Crossing to provide robust transport connections to facilitate better access across and around the top of Spencer Gulf.

*Measurement: Commitment from Commonwealth.*

1.7 (SP 4.2.2) Review Council’s Ageing Strategy and continue to implement its recommendations to ensure suitable accommodation and facilities/services are available.

*Measurement: Number of recommendations addressed.*

- 1.8 (SP 4.2.3) Encourage and facilitate, where appropriate, a range of housing options for older people, including retirement villages and independent living units to provide housing choices that are adaptable and affordable.

*Measurement: Number of new housing options developed.*

- 1.9 (SP 4.5.1) Encourage re-use of heritage buildings to assist in their conservation.

*Measurement: Increased number of heritage buildings renovated and used.*

- 1.10 (SP 5.1.2) Investigate the best way to use and manage buildings to balance community access and the costs of asset maintenance.

*Measurement: Reduced number of Council buildings and increased sharing of buildings.*

- 1.11 (SP 5.2.1) Work with the Aboriginal Community to introduce appropriate art into Gladstone Square recognising our Aboriginal community and their cultural heritage.

*Measurement: Project completed.*

## **2 Urban Design**

- 2.1 (SP 1.1.2) Continue and encourage sustainability programs such as water re-use, Arid Smart plantings and solar thermal opportunities to contribute to a resilient environment.

*Measurement: Improved visual amenity of city with reduced mains water costs.*

- 2.2 (SP 2.5.1) Implement the Style Guide to influence urban design for the city.

*Measurement: All civic developments formally approved as meeting Style Guide.*

## **3 Liveable, Walkable, Inclusive & Accessible**

- 3.1 (SP 1.5.1) Investigate opportunities to implement the recommendations of the Waterways Strategy to ensure consideration is given to water based tourism and other activities.

*Measurement: Number of recommendations addressed.*

- 3.2 (SP 1.6.2) Work with Regional Development Australia (Far North) to develop a business case for relocating the railway out of town, taking into consideration Aboriginal heritage and present this to the Australian Government to reduce rail traffic through the City and enable strategic land within Port Augusta to be developed for other purposes.

*Measurement: Completion of business case.*

3.3 (SP 1.7.1) Regularly review Council's Development Plan to encourage innovation in sustainable living and employment, to address anticipated growth and its impact on services, rates and financial sustainability.

*Measurement: Development Plan Amendments as recommended by Strategic Directions Reports completed.*

3.4 (SP 2.1.1) Develop a Cultural Strategy that provides a framework for initiatives in the arts and cultural development to provide opportunities for members of the community and visitors to participate in these areas.

*Measurement: Increased participation in the arts.*

3.5 (SP 2.1.2) Develop Central Oval as a multi-purpose Community Space to enable regional sporting events and community events to be undertaken at the venue.

*Measurement: Central Oval redevelopment completed.*

3.6 (SP 2.2.1) Identify and secure a multifunction outdoor event space to ensure that travelling artists and local events are catered for in a purpose built suitable venue.

*Measurement: New facility established.*

3.7 (SP 2.2.2) Promote indoor cultural facilities and events spaces to increase participation at these venues.

*Measurement: Increased use of facilities.*

3.8 (SP 2.2.3) Investigate opportunity of developing a 'Community Meeting Hub & New Public Library' to create an interactive Civic Precinct and encourage participation in Council and local group activities.

*Measurement: New facilities established.*

3.9 (SP 3.3.5) Continue to seek funding to implement shared pedestrian and cycle paths to support active travel and recreation.

*Measurement: Additional length of bikeways completed.*

3.10 (SP 4.1.2) Develop & implement Disability Discrimination Action Plan to provide improved access for people with disabilities.

*Measurement: Number of recommendations addressed.*

3.11 (SP 4.2.1) Provide aged care accommodation and programs such as Men's Shed and Health Focus to support our ageing population.

*Measurement: All programs used to capacity and meet accreditation standards.*

3.12 (SP 4.2.5) Provide services for young children, their parents and carers to support their self development.

*Measurement: All programs used to capacity and meet accreditation standards.*

#### **4 Access to Parks, Footpaths, Street Lighting**

4.1 (SP 3.3.1) Maintain partnerships to enable effective use of open space, recreation, sports and leisure facilities.

*Measurement: Partnerships ensuring high demand for use of community facilities.*

4.2 (SP 3.3.2) Implement the recommendations of the Open Space Strategy, Recreation Facilities Master Plan and the Play Space Strategy to enhance management and use of the Council facilities.

*Measurement: Number of recommendations addressed.*

4.3 (SP 3.3.3) Implement the Directional Signage Strategy to assist in easier navigation around the City.

*Measurement: Major attractions adequately signed.*

4.4 (SP 3.3.6) Continue footpath upgrading programs.

*Measurement: Additional length of footpaths completed.*

#### **5 Social Connectedness, Volunteering, Community Participation**

5.1 (SP 2.3.1) Maintain involvement in Youth Advisory Committee and build on the existing relationship with the Youth Centre to increase youth participation.

*Measurement: Increased numbers of youth engaged in activities.*

5.2 (SP 2.4.1) Acknowledge the contribution made by community members through their individual areas of excellence, through appropriate avenues such as Australia Day Awards, NAIDOC Awards, Hall of Fame, ANZAC Day celebrations and other events.

*Measurement: Nominations for all awards received.*

5.3 (SP 3.1.1) Continue to support the participation of volunteers in Council and community programs to ensure they are valued and appreciated.

*Measurement: Increased number of volunteers attracted and maintained.*

5.4 (SP 3.2.1) Maintain our commitment to the Aboriginal Community Engagement Group to continue to improve a collaborative approach to addressing shared issues.

*Measurement: Aboriginal Community Engagement Group satisfied with Council's commitment.*

5.5 (SP 3.2.2) Encourage and support the participation of Aboriginal people as Council employees to strengthen workforce diversity.

*Measurement: Aboriginal staff supports.*

5.6 (SP 3.3.4) Develop a Community Development Strategy to identify opportunities to provide an integrating framework for Council and community activities.

*Measurement: Community needs addressed.*

5.7 (SP 3.4.1) Develop a Learning Community Strategy in consultation with Department for Education and Child Development (DECD), Department of Further Education, Employment, Science and Technology (DFEEST), Department of Employment, Education and Workplace Relations (DEEWR), Adelaide University and other relevant academic and research organisations to improve learning outcomes and increase access to life-long learning.

*Measurement: Partnership developed with relevant State Government Agencies to achieve greater learning and employment opportunities for the community.*

5.8 (SP 3.5.1) Continue to develop the Library as a key focus for learning, information provision and social connection to support self-development and access to services and support.

*Measurement: Increased use of library.*

5.9 (SP 3.5.2) Redevelop Council's website to include a user-friendly directory of services and facilities available in Port Augusta ensuring access to relevant community and Council services, programs and information.

*Measurement: Increased numbers of hits on Council's Website.*

5.10 (SP 3.6.1) Develop a new Communications and Engagement Strategy that includes the appropriate use of social media and emerging technologies to enhance community participation.

*Measurement: Increased numbers of hits on Council's social media sites.*

5.11 (SP 3.6.2) Develop and maintain a range of communication tools and methods, records management systems and technologies to provide staff and community access to relevant information, programs and services.

*Measurement: Easy access to information.*

5.12 (SP 4.2.5) Provide services for young children, their parents and carers to support their self development.

*Measurement: All programs used to capacity and meet accreditation standards.*

5.13 (SP 4.2.6) Contribute to networks and programs that support better collaboration between services and result in integrated outcomes for service users.

*Measurement: Reduced duplication of services in Port Augusta.*

5.14 (SP 5.2.1) Work with the Aboriginal Community to introduce appropriate art into Gladstone Square recognising our Aboriginal community and their cultural heritage.

*Measurement: Project completed.*

5.15 (SP 5.2.2) Continue to acknowledge the traditional custodians of these lands and waters and fly the Aboriginal, Torres Strait Islander and Australian flags.

*Measurement: Increased numbers of projects and programs implemented.*

5.16 (SP 5.3.1) Tell the stories of Aboriginal culture along a trail that recognises the way that they used these places to improve our understanding and awareness of the ongoing connection of Aboriginal peoples to Port Augusta.

*Measurement: Aboriginal Heritage Trail completed.*

5.17 (SP 5.3.2) Continue to support community festivals and events that contribute to a vibrant community.

*Measurement: Increased numbers of events with high participation rates.*

## **6 Safety**

6.1 Provide City Safe Patrol – Service includes security patrol services to address issues such as anti-social behavior, breaches of Council by-laws, and safety of youths wandering streets.

*Measurement: Reduced vandalism and people living rough.*

6.2 (SMS:1.1.1) Provide a range of intervention services for people who misuse substances, including a Clean Needle Program.

*Measurement: Minimal used needles found in public places.*

## **7 Pollution/Clean Air**

7.1 Operate and maintain a Waste Water Treatment Plant to reduce the amount of effluent that is disposed of into the Spencer Gulf.

*Measurement: Waste Water Treatment Plant operating to capacity 24/7.*

7.2 Promote the introduction of Solar Thermal technology and other renewable energy technologies to rid the city of pollution from coal trains, coal stock piles, ash deposits and burned coal.

*Measurement: Replacement of coal technology with solar thermal.*

## **8 Access to School Facilities**

8.1 Partnership with the State Government to continue 'shared-use agreements' for community access to school ovals and playgrounds during 'out of hours' periods.

*Measurement: Number of shared-use agreements in place.*

## **B. INCREASING OPPORTUNITIES FOR HEALTHY LIVING, HEALTHY LIVING AND BEING ACTIVE**

B1 (SP 4.2.7) Develop a Healthy Lifestyle Plan which strengthens and improves co-ordination of public health programs within the community, making Port Augusta a stronger and healthier community for all generations.

*Measurement: Healthy Lifestyle Plan completed and implemented.*

### **9 Obesity**

9.1 (SP 4.1.3) Continue to promote and support healthy lifestyles to encourage our community to be active and eat well.

*Measurement: Decreased rates of chronic disease and obesity levels.*

### **10 Physical Activity**

10.1 (SP 4.1.3) Continue to promote and support healthy lifestyles to encourage our community to be active and eat well.

*Measurement: Decreased rates of chronic disease and obesity levels.*

10.2 (SP 5.1.1) Investigate Community Space opportunities at Stirling North to improve community participation in sporting and other local activities.

*Measurement: Increased range of community spaces developed in Stirling North.*

### **11 Food Choice**

11.1 (SP 4.1.3) Continue to promote and support healthy lifestyles to encourage our community to be active and eat well.

*Measurement: Decreased rates of chronic disease and obesity levels*

11.2 Policy - Healthy Catering 2.19.01

Introduction and implementation of a Healthy Catering Policy to promote healthy food and drink choices at Council owned and operated facilities and workplaces and at Council sponsored events.

*Measurement: Increased number of healthy choices available.*

### **12 Alcohol**

12.1 Implementation of Total City Dry Areas to reduce consumption of alcohol in public areas and anti-social behaviour which is a result of the misuse of alcohol.

*Measurements:*

*(SMS: 1.1.3) Provide a range of support services and activities to substance misuse clients.*

*(SMS: 1.1.4) Collaborate with other agencies to provide preventative health promotion and education.*

*(SMS: 1.1.6) Continue to update alcohol and other drug programs for access by the community.*

- 12.2 (SP 4.1.1) Maintain partnerships to improve outcomes for those with drug and alcohol dependencies.

*Measurement: Continued engagement of all agencies in Alcohol Management.*

- 12.3 (SP 4.2.4) Support the development of a Residential Rehabilitation Centre to accommodate those with drug and alcohol dependency.

*Measurement: Residential Rehabilitation Centre established and operating.*

- 12.4 Improve the work, health and safety of professional services that are involved in the adverse effects of alcohol misuse and associated workplace violence and aggression.

*Measurement: Improved working conditions and service delivery of those involved in dealing with those who are affected by alcohol related misuse and its associated violence and aggression.*

*Agency engagement through collaborative partnerships with the Alcohol Management Group, Council and Business.*

*Drive change in how alcohol is distributed and consumed within the community.*

*Measure the impact of change initiated to improve the work, health and safety of those involved in delivering key and essential services within the community.*

## **13 Tobacco**

- 13.1 Introduction and implementation of a Smoking Policy within the workforce in an endeavour to reduce smoking by employees during work hours within designated areas only and to encourage them to participate in treatment programs to break the smoking habit.

*Measurement: Number of staff volunteering to participate in approved medical programs to break their smoking habit.*

- 13.2 Aboriginal Health Services advertising campaign, targeting the reduction in smoking by the Aboriginal community.

*Measurement: Reduced number of Aboriginal people smoking.*

## **14 Gambling**

- 14.1 Provide feedback to the Office of the Liquor and Gambling Commissioner in relation to licensed premises applications for poker machines with a view to reducing numbers.

*Measurement: Reduced poker machines in the city.*

## C. PREPARING FOR CLIMATE CHANGE

The following are provisions from the Port Augusta City Council Climate Change Adaption report 2011 that will be, over time, implemented by Council or in partnership with other lead agencies as identified:

### 15 Sea Level Rise

Sea Level Rise Risks			
Rating	Risk	Current Controls	Adaptation Measures
High	Increased liability, management and resources to deal with potential flooding of 280 shacks under freehold lease.	Freehold lease agreement.	<ul style="list-style-type: none"> <li>Develop and implement a community education and awareness program that considers the likelihood and consequences of sea level rise, storm surge and coastal erosion, together with the mitigation measures that have been or are proposed by Council;</li> <li>Engage with the Local Government Association to advocate for appropriate clarification on lease arrangements be provided to lease holders by State Government.</li> </ul>
High	Council may have isolation of sections of the township due to flooding of western approach to bridge.		<ul style="list-style-type: none"> <li>Engage with the Department for Transport, Energy and Infrastructure (DTEI) to understand cross jurisdictional issues with regard to inundation of road approaches to the bridge and the coordination of planning for potential improvements through the DTEI road management plan;</li> <li>Review current levee system for its impact and potential for further upgrade and integration into traffic management protection; Engage with the Zone Emergency Management Committee to advise of potential isolation of western township during inundation event.</li> </ul>

16 Hotter Days

Extreme Temperature (No. Days >35°C) Risks			
Rating	Risk	Current Controls	Adaptation Measures
High	Increased management to consider dust issues in planning consents in response to community expectations.	Refer to Environmental Protection Authority (Regulations).	<ul style="list-style-type: none"> <li>Engage with Environment Protection Authority and other relevant stakeholders to present a register of risks and alternatives to negotiate a plan to secure the permanent placement of an EPA officer in the Region;</li> <li>Engage with the Department of Planning and Local Government to initiate a review of the effectiveness and performance of the development policy and process as it relates to the Environment Protection Authority and Native Vegetation Council.</li> </ul>

Rating	Risk	Current Controls	Adaptation Measures
High	Increased maintenance and costs associated with managing sporting ovals due to extreme temperature and reduce rainfall.	Waterproofing the City; Arid Smart Gardens; Water Sensitive Urban Design advice; Sport and Recreation Master Plan; School sharing.	<ul style="list-style-type: none"> <li>Develop an engagement plan to encourage sporting clubs to establish summer sporting ground operations policies that aim to preserve the ongoing condition of playing surfaces;</li> <li>Consider the development a project brief that engages the community and investigates the feasibility for the centralisation of sporting facilities;</li> <li>Undertake a review of public open space and playing surface service level models and ensure condition assessment criteria is aligned to ground treatment options, climate impacts and relevant policies and procedures for amending the use.</li> </ul>

Rating	Risk	Current Controls	Adaptation Measures
High	Increased demands for Council resources for City Safe program to deal with transient people located around the foreshore.	Substance misuse; Mobile Assistance Program; Dry Zone; City Safe - bottled water; PAYS (youth services)	<ul style="list-style-type: none"> <li>Engage with the Port Augusta Alcohol Management Group to ensure all stakeholders have a common understanding in relation to the potential impacts on community services as a result of ongoing extreme heat events and to improve compliance with sale of alcohol to intoxicated people;</li> <li>Review research and other literature, as to the most appropriate methods of engaging and educating relevant groups on maintaining safety during extreme heat.</li> </ul>
High	Increased Environmental Health Officer demands for inspecting food businesses affected by power failures.	Thermo program for community and shop owners.	<ul style="list-style-type: none"> <li>Engage with the Local Government Association of SA to initiate a review that addresses the sectors' capacity to deliver statutory responsibilities for environmental health, ensuring special consideration is given to the ability of meeting these services in rural and semi arid locations of the State;</li> <li>Develop a strategy for the training, accreditation, recruitment and retention of Environmental Health Officers in partnership with the LGA and Department for Health;</li> <li>Undertake a review of Environmental Health operational response plans to ensure that deliverables can be exercised under high peaks in demand for services: Explore opportunities for the recruitment of a trainee/cadet EHO or shared officer with adjoining Councils.</li> </ul>
High	Increased demand of EHO for public advice and education relating to food safety in extreme heat conditions.	Thermo program for community and shop owners.	<ul style="list-style-type: none"> <li>Engage with the Local Government Association of SA to initiate a review that addresses the sectors' capacity to deliver statutory responsibilities for environmental health, ensuring special consideration is given to the ability of meeting these services in rural and semi arid locations of the State;</li> </ul>

Rating	Risk	Current Controls	Adaptation Measures
			<ul style="list-style-type: none"> <li>• Develop a strategy for the training, accreditation, recruitment and retention of Environmental Health Officers in partnership with the LGA and Department for Health;</li> <li>• Undertake a review of Environmental Health operational response plans to ensure that deliverables can be exercised under high peaks in demand for services: Explore opportunities for the recruitment of a trainee/cadet EHO or shared officer with adjoining Councils.</li> </ul>
<b>Extreme</b>	Interruption to service delivery due to power outage and lack of ability to respond to community needs (e.g. library/civic centre if used as a refuge in extreme heat wave events).		<ul style="list-style-type: none"> <li>• Develop and maintain a Business Continuity Management Plan.</li> </ul>
<b>Extreme</b>	Increased liability exposures arising from failures of footpath and kerbing infrastructure.		<ul style="list-style-type: none"> <li>• Review and update footpath and kerbing inspection regimes to allow for higher rates of inspection during summer and heat wave events;</li> <li>• Review works schedules and adjust plans to enable rapid response to footpath trip hazards;</li> <li>• Continually improve infrastructure design standards to enhance infrastructure resilience and reduce inspection frequency.</li> </ul>
<b>High</b>	Increased maintenance and cost related to degradation of bitumen roads and aerodrome pavement.	Product trials	<ul style="list-style-type: none"> <li>• Develop asset management plan that takes into consideration the impacts of long term exposure of bitumen to extreme temperature and make adjustments to resealing time frames;</li> <li>• Initiate a engagement program that consistently provides a mechanism for the exchange of road condition information and quality audit results;</li> </ul>

			<ul style="list-style-type: none"> <li>• Undertake continual review and research of bitumen additives to improve resilience;</li> <li>• Investigate road construction techniques and asset management planning arrangements for jurisdictions operating in arid/desert environments;</li> <li>• Ensure that the results of the bitumen product trials are actively promoted within the Local Government sector, including the Annual Roads Conference.</li> </ul>
High	Increased maintenance and cost related to greater deterioration of infrastructure (e.g. painted surfaces).	Currently defining service levels; Environmental and cultural design specifications (paving); Street tree planting guide.	<ul style="list-style-type: none"> <li>• Initiate a program of community consultation to understand the needs, expectations and beliefs in relation to asset/infrastructure service levels;</li> <li>• Review community consultation against measures of environmental deterioration to develop adjusted service level models for all Council assets and to inform the development of specifications that build a higher resilience to extreme heat.</li> </ul>
			<ul style="list-style-type: none"> <li>•</li> </ul>
High	Failure of air-conditioning infrastructure resulting from heat waves requires increased resources to respond and repair (e.g. nursing home, child care centre).	Air conditioning split systems.	<ul style="list-style-type: none"> <li>• Review and update asset management plans to include a program to improve the energy efficiency and thermal comfort of buildings to meet relevant standards (This review should consider the feasibility of applying window treatments such as double glazing, blinds or shutters);</li> <li>• Undertake a review of air management systems for energy efficiency and ongoing performance in extreme heat events.</li> </ul>
High	Increased liability as a result of illness or death of vulnerable clients (nursing home/child care) and other HACC programs due to failure of Council infrastructure.		<ul style="list-style-type: none"> <li>• Develop and maintain a Business Continuity Management Plan.</li> </ul>

<b>High</b>	Potential for loss of revenue from reduced visitation of tourists in hotter environment.		<ul style="list-style-type: none"> <li>Engage with Flinders Ranges Outback Tourism to share understanding of climate impacts on Council business and ensure there is appropriate consideration of this on tourism trends and integration into regional tourism marketing strategy;</li> <li>Develop an internal strategy for the promotion of Port Augusta as a premier arid tourist destination and leader in</li> </ul>
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## 17. Vegetation Impacts

Rating	Risk	Current Controls	Adaptation Measures
<b>High</b>	Loss of ground cover leads to increased resources for stormwater runoff and erosion issues.	Stormwater Management plan (in development).	<ul style="list-style-type: none"> <li>Develop and implement an Integrated Water Resource Management (IWRM) Plan to sustainably develop, allocate and monitor the District/Regional water resources in the context of social equity, economic prosperity and environmental management;</li> <li>Engage with the local Government Association of SA to broker research and funding for reclaimed water infrastructure projects as part of IWRM;</li> <li>Undertake further research and analysis to identify appropriate species and arid climate adaptive economic development methods for revegetation and landscaping of priority sites.</li> </ul>
<b>High</b>	Increased cost of dealing with tree failures and additional maintenance requirements.	Tree inspection regime; Removal of inappropriate tree plantings; Planting policy.	<ul style="list-style-type: none"> <li>Finalise development of tree policy;</li> <li>Planting zones;</li> <li>Develop and implement an education program that highlights Councils environmental sustainability initiatives and encourages the community to create their own arid smart gardens.</li> </ul>

High	Loss of amenity and aesthetics of trees due to increased decline/death.	Tree inspection regime; Removal of inappropriate tree plantings; Planting policy.	<ul style="list-style-type: none"> <li>• Finalise development of tree policy;</li> <li>• Planting zones;</li> <li>• Develop and implement an education program that highlights Councils environmental sustainability initiatives and encourages the community to create their own arid smart gardens.</li> </ul>
High	Increased demand for staff resources and risk of liability claims from trees shedding branches.	Tree inspection regime; Removal of inappropriate tree plantings; Planting policy;	<ul style="list-style-type: none"> <li>• Develop a plan and procedure with relevant assessment criteria and performance indicators for the inspection of trees;</li> <li>• Develop a community education strategy for informing the public on tree hazards and methods for modifying behaviour under changing environmental conditions.</li> </ul>
High	Increased risk of damage to infrastructure/vehicles due to tree limb failure.	Tree inspection regime; Removal of inappropriate tree plantings; Planting policy;	<ul style="list-style-type: none"> <li>• Develop a plan and procedure with relevant assessment criteria and performance indicators for the inspection of trees;</li> <li>• Develop a community education strategy for informing the public on tree hazards and methods for modifying behaviour under changing environmental conditions.</li> </ul>

## **18 Shade**

18.1 (SP 3.3.2) Implement the recommendations of the Open Space Strategy, Recreation Facilities Master Plan and the Play Space Strategy to enhance management and use of the Council facilities.

*Measurement: Number of playgrounds provided with shade structures.*

## **19 Wind Breaks**

19.1 Continue planting programs in the city that improve the visual appeal of the city, provide shade and shelter public places from wind.

*Measurement: Public places comfortable despite wind.*

## **20 Flood**

20.1 Continuation of construction of coastal Levee Bank to protect areas of Port Augusta from tidal inundation.

*Measurement: Minimal impact to town from high tides.*

20.2 Construction of Depot Creek Road and channeling of Mundallio Creek to assist in eliminating flooding to property during heavy rain periods.

*Measurement: Minimal impact to properties during flooding of Mundallio Creek.*

# **D. SUSTAINING AND IMPROVING PUBLIC HEALTH AND ENVIRONMENTAL HEALTH PROTECTION**

## **21 Food Safety**

21.1 (SP 6.3.2) Ensure compliance with the various Acts Council administers to ensure a safe and well maintained environment is achieved.

*Measurement: Regular inspections of food premises and minimal non-compliances found.*

## **22 Immunisation**

22.1 Promote and implement Port Augusta City Council's Immunisation Program on an annual basis.

*Measurement: High percentage of school children receiving immunisations.*

## **23 Communicable Diseases**

- 23.1 In partnership with the Department of Health investigate, as required, any communicable diseases.

*Measurement: Prompt reporting of communicable diseases.*

## **24 Emergency Management**

- 24.1 Active participation on the Zone Emergency Management Committee.

*Measurement: Ongoing involvement with the committee, its work and emergency exercises.*

## **25 Insanitary Conditions**

- 25.1 Implement septic tank pumping program.

*Measurement: All septic tanks in the city de-sludged on a four yearly cycle.*

## **26 Noise**

- 26.1 Noise concerns referred to EPA and SAPOL as appropriate.

*Measurement: Agencies promptly address noise concerns.*

## **27 Air Quality**

- 27.1 Promotion of Solar Thermal Technology to replace coal burning power station and remove its impact on air-quality from our city's door-step.

*Measurement: Solar thermal power generation.*

## **28 Environment Health Inspections**

- 28.1 Compliance with the provisions of the South Australian Public Health Act 2011 and associated regulated activities.

*Measurement: Number of inspections undertaken in relation to Public Swimming Pools, Septic Tanks, Cooling Towers or Warm Water Systems etc and investigations into public health complaints.*