

Attachment 1 – Desired Standard of Service

Desired Standards of Service (DSS) direct the form and scale of infrastructure networks to be constructed to service areas within the Local government area. The performance of each network will vary over time. The DSS does not imply a guaranteed level of performance for the network. DSS are expressed for each network in terms of planning and design criteria based on quantitative and qualitative standards.

Water Supply Trunk Infrastructure

The Desired Standards for water supply trunk infrastructure are shown in Table 1 Desired Standards of Service –Water Supply.

Table 1 Desired Standard of Service – Water Supply

| Planning Standard | Community Outcome |
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| Ensure drinking water complies with NHMRC Australian Drinking Water Guidelines for colour, turbidity and microbiology. | <ul style="list-style-type: none"> • Provides uniform quality of water monitored in relation to recognised standards; • Provide a safe and reliable water supply; and • Safeguards community health. |
| Water infrastructure provides for system operations and monitoring in accordance with recognised standards. | <ul style="list-style-type: none"> • Ensures environmental controls are maintained; and • Ensures potable water is provided in a manner consistent with environmental standards. |
| Reduce non revenue water | <ul style="list-style-type: none"> • Extend asset life; • Improve environmental flows; • Reduced greenhouse gas emissions; and Reduce extraction of water from source. |
| Provide infrastructure which minimises power usage | <ul style="list-style-type: none"> • Reduced cost of energy; • Cost effective service for community; • Reduced greenhouse gas emissions; and • Reduced environmental effects from chemical production. |

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| Develop and maintain excellence in appropriate new technologies | <ul style="list-style-type: none"> • Reduced cost of energy and chemicals; • Cost effective service for community; • Reduced greenhouse gas emissions; and • Reduced environmental effects from chemical production. |
| Provide infrastructure which minimises whole of life costs | <ul style="list-style-type: none"> • Cost effective service for community; • Reduced energy cost; • Reduced maintenance costs; • Reduced overall operation costs; • Reduced replacement costs; • Reduction in disposal of waste; and • Reduced environmental effects from chemical production. |
| Design Standard | Community Outcome |
| Design water supply infrastructure to comply with: <ul style="list-style-type: none"> • FNQROC Development Manual; • EPA requirements; • DNR requirements; • SAMP Customer Service Standards; • Water Act 2000; and • Plans for Trunk Infrastructure – Water Supply | <ul style="list-style-type: none"> • Provides uniform quality of water monitoring in relation to recognised standards; • Provide a safe and reliable water supply; and • Safeguards community health. |

Wastewater Trunk Infrastructure

The desired standards for wastewater trunk infrastructure are shown in Table 2 Desired Standards of Service Wastewater.

Table 2 Desired Standards of Service Wastewater

| Planning Standard | Community Outcome |
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| Ensure wastewater collection, transportation and treatment system remains effective. | <ul style="list-style-type: none"> • Reduced impact from blockages, overflows and spills; • Reduced impact on residents; • Reduced release of nitrogen and phosphorous to aquatic ecosystems; • Improved community health; and • Reduced greenhouse gas emissions. |
| Provide infrastructure which minimises energy usage. | <ul style="list-style-type: none"> • Reduced cost of energy; • Cost effective service for community; and • Greenhouse gas reduction. |

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| Provide infrastructure which minimises whole of life costs. | <ul style="list-style-type: none"> • Cost effective service for community; • Reduced energy cost; • Reduced maintenance costs; • Reduced overall operation costs; • Reduced replacement costs; • Reduction in disposal of waste; • Reduced greenhouse gas emissions; and • Reduced environmental effects from chemical production. |
| Achieve excellence in appropriate new technologies. | <ul style="list-style-type: none"> • Reduced cost of energy and chemicals; • Cost effective service for community; • Reduced greenhouse gases; and • Reduced environmental effects from chemical production. |
| Maximise opportunities for re-use of effluent. | <ul style="list-style-type: none"> • Beneficial use of reclaimed water and bio-solids; • Opportunity for cost recovery from reclaimed water treatment; • Reduction in use of potable water supply and treatment; • Reduced release of nitrogen and phosphorous in aquatic ecosystem; and • Reduction of raw water extraction from source. |
| Design Standard | Community Outcome |
| <p>Design wastewater infrastructure to comply with:</p> <ul style="list-style-type: none"> • FNQROC Development Manual; • EPA requirements; • DNR requirements; • SAMP Customer Service Standards; • Water Act 2000; and • Plans for Trunk Infrastructure – Wastewater | <ul style="list-style-type: none"> • Noise controls; • No adverse visual effect; • Controls of overflows from system; • Improves community health; • Reduction in contaminated discharges; and • Reduced odour emissions. |
| Ensure infiltration and inflow in new wastewater collection and transportation systems remain within industry acceptable limits (compliance with Environmental licences, IEMS and associated EMPs) and is minimised to a practical extent in existing systems. | <ul style="list-style-type: none"> • Reduced cost of energy for effluent transport, treatment and disposal; • Minimise customer overflow issues; • Maximise life of system; and • Reduced overflows to local waterways. |

Public parks and land for community facilities

The Desired Standards for the public parks and land for community facilities trunk infrastructure are shown in Table 3 Desired Standards of Service Public Parks and Land for Community Facilities.

Table 3 Desired Standards of Service Public Parks and Land for Community Facilities

| Planning Standards | Community Outcome |
|---|---|
| Provide a connected and accessible network of parks, open space, and community facilities that meet the needs of the Local government's residents and visitors. | <ul style="list-style-type: none"> • Provides opportunities for access and increased usage of open space, recreational and community facilities; • Provides for an appropriate balance of land uses and ensures high levels of amenity in the urban form; and • Provides a basis for a healthy and active community. |
| Ensure strong linkages and, where possible, co-location of existing and future parks, open space and community facilities. | <ul style="list-style-type: none"> • Ensures utilisation of existing and future assets while maintaining maximum access. |
| Provide embellishments to public parks, commensurate with the range of activities envisaged. | <ul style="list-style-type: none"> • Provides open space embellishments that meet the needs of the community by providing a range of facilities for social activities and/or fitness/recreational pursuits; • Ensures activities are met and contained within designated areas - reducing potential off site impacts to other more sensitive areas in the Local government. |
| Ensure that existing and future parks, open space and community facilities with significant environmental, waterway or cultural heritage value are managed appropriately. | <ul style="list-style-type: none"> • Protects and enhances items of cultural interest in the Local government for the benefit of current and future communities in the Local government; • Provides a basis for tourism opportunities; • Protection of the natural landscape ensures maintenance of quality of air, water and land resources reducing negative impacts requiring amelioration; and • Recreational and sporting parks promote the health and well being of the Local government's residents. |

| Design Standard | Outcomes Achieved |
|---|--|
| Public parks and land for community facilities areas are provided in accordance with the preferred quantity, distribution (Shire Wide, district, local, sporting, community), quality and level of development specified in Council's 'Public Parks and Land for Community Purposes Trunk Infrastructure Planning Study' and Plans for Trunk Infrastructure – Public Parks and Land for Community Facilities. | <ul style="list-style-type: none"> • Provides a standard of service reflecting the communities' needs as identified by the local government's adopted strategies; • Provides recreation and sporting parks with a diverse range of activity opportunities and landscape settings to encourage healthy lifestyles and maximise opportunities for activity; • Recreation and open space facilities are managed in the most efficient and cost effective way; and • Recreation and open space facilities can be safely and conveniently accessed by all existing and potential users. |
| Land provided for parks, recreation, and sport is not constrained by physical, environmental or other hazards. | <ul style="list-style-type: none"> • Ensure adequate provision of safe, accessible and usable facilities. |
| Ensure land is accessible, of suitable quality and integrated with the urban and open space networks. Provide an accessible network of parks, open space, and community facilities that meets the needs of residents and visitors in accordance with the rate of provision identified in Table 4 and accessibility standards outlined in Table 5. Ensure land for public parks and community facilities has minimum land size as identified in Table 5.8. | <ul style="list-style-type: none"> • Provides community access to a range of park, open space and community facilities. |
| Public park embellishments are provided in accordance with Council's 'Public Parks and Land for Community Purposes Trunk Infrastructure Planning Study' and the Plans for Trunk Infrastructure – Public Parks and Land for Community Facilities. Embellish public parks to complement the type and purpose of the public park as identified in Table 6. | <ul style="list-style-type: none"> • Provides a range of park types that are suitability embellished to meeting their purpose within the park hierarchy. |

Table 4 Rate of land provision for public parks and community facilities

| Infrastructure Item | Rate of provision (Ha per 1000 people) | | |
|---|---|-----------------|------------------------------|
| | Local | District | Local government wide |
| Recreation park (2.5Ha per 1000) | 1.0 | 1.3 | 0.2 |
| Sport park (2ha per 1000) | 0.0 | 1.6 | 0.4 |
| Land for community facilities (0.3Ha per 1000) | 0.0 | 0.15 | 0.15 |

Table 5 Accessibility standards for public parks and land for community facilities

| Infrastructure Item | Accessibility standard (km) | | |
|-------------------------------|-----------------------------|----------|-----------------------|
| | Local | District | Local government wide |
| Recreation park | 0.5 | 2 - 3 | 10 - 15 |
| Sport park | NA | 2 - 5 | 15 |
| Land for community facilities | NA | 5 | 20 |

Table 6 Size of public parks and land for community facilities

| Infrastructure Item | Minimum size (Ha) | | |
|-------------------------------|-------------------|--|-----------------------|
| | Local | District | Local government wide |
| Recreation park | 1.0 | 2 - 5 | 2 - 5 |
| Sport park | NA | 10 | 20 |
| Land for community facilities | NA | Cultural Activity Space (CAS) 1500m ² | CAS 1.0 |
| | | Community Meeting & Activity Space (CMS) 2000m ² | CMS 1.0 |
| | | Community Service Facility (CSF) 1000m ² | CSF 1.0 |
| | | Formal Memorial Space (FMS) 1000m ² | FMS 10 |

Table 7 Standard facilities and embellishments for public parks

| Embellishment Type | Recreation parks | | | Sports parks | |
|-------------------------------------|------------------|----------|-----------------------|--------------|-----------------------|
| | Local | District | Local Government wide | District | Local Government wide |
| Water connection / tap | Yes | Yes | Yes | Yes | Yes |
| Drinking fountain | Yes | Yes | Yes | No | No |
| Lighting | Yes | Yes | Yes | Yes | Yes |
| Fencing or bollards | Yes | Yes | Yes | Yes | Yes |
| Playground equipment incl. softfall | Yes | Yes | Yes | No | No |
| Seating | Yes | Yes | Yes | Yes | Yes |
| Picnic shelter | Yes | Yes | Yes | No | No |
| BBQ | No | Yes | Yes | No | No |
| Earthworks – field preparation | Yes | Yes | Yes | Yes | Yes |
| Spectator facilities | No | No | No | Yes | Yes |
| Landscaping | Yes | Yes | Yes | Yes | Yes |
| Power | Yes | Yes | Yes | Yes | Yes |
| Irrigation | No | Yes | Yes | Yes | Yes |
| Public toilet | No | Yes | Yes | Yes | Yes |
| Path or bikeway | Yes | Yes | Yes | Yes | Yes |
| Car parking and access works | No | Yes | Yes | Yes | Yes |