F5
Infrastructure
and Services

> **Ipswich is a City that can provide the infrastructure and community services required by residents to live their desired lifestyles.**

5.1 Theme - Infrastructure and Services

The complex needs for infrastructure, facilities and services in the Ipswich community are met through Ipswich City Council, various State government departments, some private sector firms and the Federal government.

Local government is often described as the level of government closest to the community and as such are involved in the provision of services accessed on a daily basis such as local roads, water supply, waste services and sewerage, as well as community services such as libraries.

The increase in the numbers of residents will demand more infrastructure and delivery of community services.

In April 2005, the State Government released the South East Queensland Infrastructure Plan and Program. This was the first plan of its kind to be developed by the State at the regional scale, and it has indicated some very large infrastructure proposals (excluding transport infrastructure) for Ipswich, including:-

➢ Southern Regional Water Pipeline will secure the future sustainable development of Ipswich, Gold Coast and SEQ.

➢ Western Corridor Recycled Water Scheme planning is underway for the recycling of water from Ipswich and western Brisbane Treatment Plants, through commercial and industrial uses that do not require a drinking water standard.

➢ Ipswich Hospital redevelopment and two health hubs.

➢ Thirteen new schools in the Western Corridor.

➢ Electricity upgrades.

> **Ipswich is at the forefront of a technological revolution that includes the successful implementation of a model for a community based telecommunication company which is now being offered to community throughout Australia"**
>
> **Paul Casos,**
> CEO iTel Community Telco

There is a large amount of additional infrastructure items that will be provided to service new urban growth areas. These will be financed through developer contributions and Council funding. This process will be governed by

the development of Priority Infrastructure Plans (PIP) and Infrastructure Charges Schedules for urban areas.

The planning, design and funding of infrastructure is a process supported by legislation and integrated into the planning activities of local and State government. The new process facilitates a higher level of efficiency in the provision of infrastructure to the community. In overview the key flows and elements include:

The PIP defines:

➢ Councils infrastructure intent in developing the City.

➢ Sets out key assumptions on the size and scope of development and its relationship to infrastructure provision.

➢ Establishes Desired Standards of Service (DSS) for infrastructure required to service the community.

➢ Identifies a Priority Infrastructure Area.

➢ Contains the Infrastructure Charges Schedules required to fund the provision.

The physical designs and plans for infrastructure are developed and delivered through the "Plans for Trunk Infrastructure" (PFTI). These plans can then be translated into "Infrastructure Charges Schedules" and the scope of costs within them are a direct result of the standard of service adopted and the expected growth within the City.

The delivery of community services is the responsibility of a number of different federal and state government agencies, community service providers, local governments and private

developers. Coordination and collaboration is integral to ensuring the community services are delivered. Libraries, community centres, childcare

centres, and community meeting rooms are just some examples of facilities that contribute to the functioning of a community. Education, childcare, social

support services, and employment services are the types of services that should be delivered in a coordinated manner.

Planning Scheme containing (PIP)
- **Planning Assumptions**
- **Desired Standards of Service**
- **Priority infrastructure Area**

Plans for Trunk Infrastructure
- **Network Planning**
- **Preliminary Design**
- **Identifies Capital Works Program**

Infrastructure Charges Schedules
- **Financial Modelling**
- **Funding Decision**
- **Preparation of Charges Schedule**

5.2 Summary of Goals and Strategies - Infrastructure and Services

IS Goal 1 - Integrated Infastructure Planning and Provision

Infrastructure leads development and through the collaborative planning efforts of a range of stakeholders, investment is directed towards delivering the desired outcomes of the Ipswich community and businesses in a timely manner.

Strategy IS 1.1

Community Participation: Consider the specific needs of the Ipswich community in determining infrastructure requirements.

➢ Engage the community to determine the expectations and standards of delivery of infrastructure.

➢ Conduct community consultation activities in the planning and design stages of large scale infrastructure projects.

➢ Include a community awareness component in the application for new technologies and infrastructure provision.

Strategy IS 1.2

Plan and Review Provision of Infrastructure: Undertake strategic infrastructure planning and periodically review the provision of infrastructure and services.

➢ Prepare and implement desired standards for infrastructure provision.

➢ Prepare planning assumptions based on population growth and demand.

➢ Prepare and implement development thresholds for infrastructure provision.

➢ Identify and protect corridors that may be required for future infrastructure provision.

➢ Develop detailed plans for trunk infrastructure.

➢ Identify and implement opportunities to provide local treatment / generation plants for utilities in growth areas.

➢ Plan all major infrastructure projects in accordance with Environmental Impact Assessment and Social / Community Impact Assessment.

Strategy IS 1.3

Partnerships for Infrastructure Delivery: Identify opportunities to form partnerships to deliver infrastructure requirements.

➢ Develop local expertise to assess and review public private partnerships.

➢ Actively seek technical and funding partners for public private partnerships.

Strategy IS 1.4

Fund Infrastructure and Services: Identify funding opportunities to deliver infrastructure and services in a timely and co-ordinated manner.

➢ Develop a Capital Works Program.

Strategy IS 1.5

Provide Infrastructure: Infrastructure is delivered in accordance with Priority Infrastructure Plans, in a manner that reflects community priorities and standards and does not pose significant risk to environmental assets or community values.

➢ Implement major infrastructure planning frameworks.

➢ Prepare and implement Priority Infrastructure Plans.

➢ Implement the recommendations of Environmental Impact Assessments and Social/Community Impact Assessments.

Strategy IS 1.6

Maintain Infrastructure: Ensure that current infrastructure is maintained and upgraded in accordance with the needs of the community.

➢ Develop a comprehensive suite of Asset Management Plans.

➢ Develop a monitoring process and community surveys to determine the success of infrastructure to deliver.

Strategy IS 1.7

Infrastructure Outcomes for the Present and the Future: Share the benefits and costs of infrastructure provision equitably within and across current and future generations.

➢ Prepare optional and capital cost estimates and benchmark these against population growth and demand.

➢ Demonstrate the projected financial and environmental impact of delays in infrastructure decisions.

IS Goal 2 - Coordinated Community Services

The community services provided in the City of Ipswich are accessible, delivered in a co-ordinated manner and cater for the vast array of social issues that occur in the community.

Strategy IS 2.1

Integrated Service Approach: Ensure community services are delivered in a co-ordinated manner which provides accessible services and addresses community need.

➢ Establish minimum essential standards of provision for both built and social networks of community services.

➢ Annual auditing and review of the level of service provision and forward provision to respond to population growth in Ipswich.

➢ Establish innovative funding models for the ongoing management and administration of community facilities.

➢ Undertake a Needs Assessment of the community services required in Ipswich.

➢ Prepare a Community Facilities Plan.

➢ Establish community service providers networks that foster exchange of information and coordination of activities.

- Engage the local community in the planning and design of community facilities and programs.

- Improve information regarding the respective service responsibilities of community service agencies and processes of customer service.

Strategy IS 2.2

Health and Emergency Services: Ipswich residents have access to a range of quality health and emergency services in accordance with community expectations and national and international standards.

- Improve the quality and number of health facilities for children and aged.

- Increase the number of specialist services in mental health and counselling.

Strategy IS 2.3

Education and Childcare Services: Ipswich residents have access to a range of quality education facilities and child care services.

- Identify guidelines for the provision of education facilities.

- Undertake collaborative strategic planning for the location of both public and private schools.

- Plan for the provision of a network of child care services.

IS Goal 3 - Water: A Valuable Resource

The City of Ipswich respects the value of its precious water resources and manages them in a manner to ensure their sustainable use.

Strategy IS 3.1

Water Supply: Provide infrastructure required to supply water to urban and rural residents, industry and business in accordance with community needs.

- Establish and maintain regional networks regarding the strategic management of water resources in South East Queensland.

- Establish an Excellence Award for Sustainable Water Use.

- Identify and implement opportunities to provide for dual reticulation systems.

Strategy IS 3.2

Water Conservation to Minimise Demand: Implement water conservation measures including community, industry and business education campaigns to minimise demand.

- Require all new developments to install rainwater tanks.

- Identify and implement opportunities to collect and treat stormwater and waste water for non-potable uses.

- Establish a community based Water Resources Taskforce.

Strategy IS 3.3

Align Water Quality and Source with Use: Ensure potable and recycled waters are 'fit for purpose'.

- Provide incentive programs for recycled water use in businesses and industry.

- Identify and promote opportunities for onsite treatment and use of wastewater.

- Investigate and implement opportunities to use recycled water for irrigation of open space.

- Identify opportunities for co-location of industries to share resources such as water.

- Prepare and implement a Recycled Water Strategy for Ipswich.

- Undertake a public awareness program to inform the community of the values of recycled water.

- Prepare and implement a Sewer Strategy.

IS Goal 4 - Energy Supply

Ipswich has energy supplies to meet the needs of residents, industry and commerce and is a major user of energy generated from renewable sources.

Strategy IS 4.1

Provision of Energy: Ensure urban and rural residents, commerce and industry have access to the most appropriate energy in accordance with community needs.

➢ Encourage the development of strategic planning for energy provision.

➢ Ensure service standards are met.

➢ Monitor supply of energy to emerging industrial areas.

➢ Investigate supply of renewable energy to power street lights.

➢ Implement and enhance programs to reduce demand of non-renewable energy.

Strategy IS 4.2

Encourage Renewable Energy Technologies: Encourage residents, industry, local businesses and service providers to utilise renewable energy technologies.

➢ Implement more green power projects.

➢ Research small scale renewable energy generation in new developments.

IS Goal 5 - Technologically Advanced Community

Ipswich is a community well connected through telecommunications with the latest advancements in information and telecommunication technologies.

Strategy IS 5.1

Provision of Information and Communication Technologies: Ensure residents, commerce and industries have access to the most appropriate telecommunication technologies in accordance with community needs.

➢ Upgrade local telecommunications exchanges to deliver ADSL services.

➢ Prepare and implement an Information and Telecommunications Strategy.

➢ Finalise and implement the Brisbane and South East Queensland Telecommunications Infrastructure Strategy.

➢ Identify standards for infrastructure which prioritises fibre optic cabling provision.

IS Goal 6 - Managing Waste as a Resource

Ipswich has taken on the challenge of managing waste as a resource, realising the positive potentials for the environment and where possible deriving the associated economic benefits.

Strategy IS 6.1

Provision of Waste Management Options: Ensure residents, visitors, commerce and industry have access to options for managing discarded resources and the beneficial disposal of waste.

➢ Develop a Waste Management Infrastructure Master Plan.

➢ Development and implement a Waste Management Strategy.

➢ Provide information regarding waste management through environmental education programs.

➢ Develop an Anti-littering and City Beautification Strategy.

Strategy IS 6.2

Cutting Edge technology for the City and Region: Identify and implement local and regional initiatives to capitalise on the environmental and economic potential of the region's waste.

➢ Form partnerships to address issues related to resource recovery and waste disposal.

➢ Investigate the potential use of post mining areas for environmental management industries.

➢ Establish a regional scale resource recovery and/or reuse facility in Ipswich.

IS Goal 7 - Recreation Facilities and Open Space

The recreation services provided by the natural environment of Ipswich is recognised as a fundamental component of the City's infrastructure network.

Strategy IS 7.1

Access to Open Space: Ensure development proposals allow for adequate access to the City's open space and recreational activities.

➢ Develop and implement guidelines for determining the open space infrastructure requirements, standards and sequencing.

➢ Determine the most effective means of costing and funding open space provision.

Strategy IS 7.2

Sport and Recreation Facilities: Provide facilities that can accommodate for a diverse range of sport and recreation activities.

➢ Design and manage multi-purpose sports grounds and facilities.

➢ Identify and plan for recreational facilities that cater for a range of traditional and emerging sports.

➢ Plan for sport and recreation facilities in growth areas such as Ripley Valley and Springfield.

Strategy IS 7.3

Recreational Trails: Ensure that a network of trails and routes are provided to cater for the recreational and sporting needs of the Ipswich community.

➢ Establish regional scale recreational trails that cater for a range of users.

➢ Utilise transport corridors as recreation opportunities.