

Wollondilly Shire Council

Planning SMARTs

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Wollondilly SMARTs

- Local Strategic Planning Statement
 - Land use planning vision for the next 20 years
 - Planning Priority 2
 - Sets actions
- Wilton Development Control Plan
 - 8.2 Smart Places – Objectives and Controls
 - State and Local initiative to guide development

LSPS

Opportunities and use of smart technology

IMPROVED HEALTH SERVICES

- Video consultation clinics enable Wollondilly residents to access specialist services outside the Shire via video consultation
- Telemonitoring enable Wollondilly residents to use electronic monitoring tools to perform routine tests and send the data to their GP in real time. Providing health services to people with chronic conditions, helping them to stay out of hospital.

WORKING SMARTER

- Smart work hubs can provide flexible working opportunities through shared working and collaboration spaces. These alternative work spaces help avoid lengthy travel times to and from work.
- Opportunities to locate smart work hubs in public buildings or underutilised properties are being explored.
- Modern libraries are more than just books and will increasingly make a significant contribution to learning and new forms of creative production. For example, Wollondilly Library informally provides a space for local businesses to develop and grow.

GREATER CITIZEN ENGAGEMENT

- Residents are able to view Wollondilly's Ordinary Council Meetings live from their home or at a later time.
- Webcasting is just one way Council is modernising local democracy and encouraging transparency of decision making and community participation.
- Wollondilly's eCouncil page provides digital access to development application information.

BETTER ENVIRONMENTAL MANAGEMENT

- Wireless networks of sensors are used for remote monitoring to provide real time information. Sensor networks can assist in the collection of information related to air quality (including heat), wildlife movement and agricultural management
- Initial projects to measure the use and value of infrastructure and to monitor water quality.

INFRASTRUCTURE AND COLLABORATION

ENHANCED LOCAL AMENITY

- Use of autonomous vehicles and smart bins can assist in maintaining Wollondilly's towns and villages. For example, autonomous mowing would increase safety, lead to cost and time efficiencies and would enable Council's area maintenance staff to focus on other important horticultural projects.
- Integration of technology, such as wifi benches, within open space planning could ensure greater access to the internet and create new collaborative spaces.
- Smart bins can enable more efficient waste collection where sensors measure how full bins are.

SMARTER LAND USE PLANNING

- Digital real-world models, or a 'twin' of our towns and communities can enable better planning, design and modelling for future needs.
- A digital twin is being developed for the Western Parkland City.

MORE EFFICIENT STREET LIGHTING

- Reducing energy and maintenance costs and the potential for additional services that enhance city and town safety, functionality and quality of life.
- Pilot project for Walton Street Car Park, Picton incorporates street lighting using smart technology to improve community safety.
- Now required for new housing areas.



Wilton Development Control Plan

Example controls:

- Smart lighting
- Public Wi-Fi and Bluetooth speaks in parks
- Smart park furniture and
- Electric vehicle charging points



Achievements and next steps

The first development application has delivered:

- LED street lights with smart nodes on the lights
- Bluetooth speakers and smart park furniture within parks

Next Steps

- Formulate strategies to keep pace with emerging technologies.
- Develop a set of standard specifications that effectively deals with evolving technology.