Subiaco Water Research and Innovation Precinct

Paul Nolan
Water Corporation

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Subiaco Water Research and Innovation Precinct

The Project

- Dedicated wastewater research and pilot testing facility
- Located at Subiaco Wastewater Treatment Plant
- Large 800m² pilot testing Hub, separate laboratory and collaborative offices
- Effluent manifold connects directly to live wastewater streams
- Built for least cost repurposing existing facilities
- Will grow precinct based on research demand and partnerships
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Why build it?

Technology uptake curve

- Innovators
- Early adopters
- Mainstream
- Laggards
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**Primary Goals**

1. Pilot new wastewater treatment technologies and processes that deliver improved outcomes in the areas of:
   - Lower whole of life costs
   - Energy self sufficiency
   - Reduced greenhouse gas emissions
   - Lower chemical use
   - Increased nutrient recovery
   - Increased water recovery
   - Smaller footprint

2. Through piloted research generate the evidence to be an early adopter and change the capital investment pathway to 2030.
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Additional Deliverables

**Culture and development** – Improve employee culture and development through staff participation and interaction with technology. Promote professional development of employees to develop the workforce of the future.

**Collaboration and Partnerships** – Improve Water Corporation knowledge by collaborating with industry and researchers to bring big innovative ideas and technologies into the business and form mutually beneficial partnerships.

**Buffertopia** – Use the precinct to encourage engagement of industries in the Subiaco WWTP buffer and work towards delivering a valued urban space.

**Water Sensitive Perth** – Use resource recovery research and external engagement to deliver against Water Sensitive Perth objectives.
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