

# Water Sensitive Urban Design delivering on State priorities

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# Water sensitive urban design

Creating more liveable and water sensitive cities in South Australia



- Released late 2013
- State-wide aim & application
- WSUD targets
  - Water conservation
  - Runoff quantity & quality
  - Integrated design
- State commitments (14 Actions)



## Strategic priorities' links, e.g.

- Climate Change – Climate Change Strategy for SA & Carbon Neutral Adelaide
- Creating a vibrant city & Adelaide heart of a vibrant state
- An affordable place to live
- Safe communities, healthy neighbourhoods



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# WSUD targets

- Evidence based
- Adopted targets address:
  - **water conservation**: demonstrate reasonable effort to apply best practice in residential, industrial, commercial, institutional, irrigated open space settings
  - **runoff quality**: reductions of 45% nitrogen, 60 total phosphorus, 80% suspended solids, 90% litter/gross pollutants compared to an untreated state
  - **runoff quality**: for waterway protection manage runoff for 1 year ARI even, for flood management no increase in peak flow for 5 and 100 year ARI events
  - **integrated design**: evidence that relevant stakeholders have been involved at appropriate stages of planning and design ; maximise contribution to green infrastructure and other relevant state, regional and local objectives



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# WSUD targets

- Base for demonstrating development consistency with policy's aim
- Allows locally relevant targets
- Recognises need for implementation guidance
- Policy implementation in consultation with stakeholders (via Water Sensitive SA to help identify stakeholders / stakeholder needs)



# Key actions

- Adopt WSUD in State projects ✓ Under way
- Strengthen WSUD in State planning system, incl. SAPPL ✓ Under way
- WSUD capacity building program ✓ Commenced
- Research ✓ Ongoing
- Stormwater management plan guidelines review ✓ Committed
- Monitoring uptake ✓ Under way





*“We make our buildings and afterwards they make us.”*

*Thoughtful integration of WSUD into our urban areas will deliver wide-ranging and significant benefits to current and future South Australians*



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