

**Objective:** Customers expect us to get the basics right. This means they can rely on the availability of our water services and that we keep prices as low and as stable as possible.

## Current State

### Performance & Policy:

- Existing infrastructure able to supply current demands (resource, water treatment plant, network, tanks)
- Network hydraulic models updated in October 2017
- Demand modelling from earlier this year based on "organic growth" i.e. recent experience (short term) and forecasting for long term
- New mains and extensions approach is "user pays" for any augmentation required in line with economic regulation and SA Water policy.

### Middle River Constraints:

- Reservoir looks after annual demand, while tanks at Middle River and Kingscote look after daily demand i.e. designed to meet peak day demand

### Penneshaw Constraints:

- Desalination plant looks after annual demand while storage looks after daily demand and outage at the plant

## Current Demand:

	Middle River	Penneshaw
Recent Billed Consumption	356 ML/a	52 ML/a
Number of connections	1500 approx	300 approx
Peak Day Production	1% exceedance 2.77 ML/d	1% exceedance 400 kL/d
Avg Residential	Kingscote - 149 kL/a Rural* - 209 kL/a	142 kL/a
Avg Non-residential	Kingscote - 365 kL/a Rural*) - 507 kL/a	501kL/a

\* Rural = select along transmission main

## Work Underway

- Updating demand modelling based on new projections from community and developers
- Conversations with various developers on future demand

## Future State

- Making assumptions about where and when future demand will come from - challenge in moving from organic growth to potential high growth scenario
- Better understanding of demand driven by carting needs
- Potential shifts in use per property – e.g. improved water efficient devices and water practices (residents and tourist behaviours may differ)
- Adaptive Planning opportunities.