

Water Supply Overview



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Melbourne & Catchments



Melbourne's Water Supply System

Service Reservoirs X

There are around 40 service reservoirs dotted across suburban Melbourne that temporarily hold water before it makes its way to your tap.

They range in size (from 2 to 250 million litres) and are often located on hills so that water can be transferred via gravity instead of more power-intensive pumping.

Water flows in from:

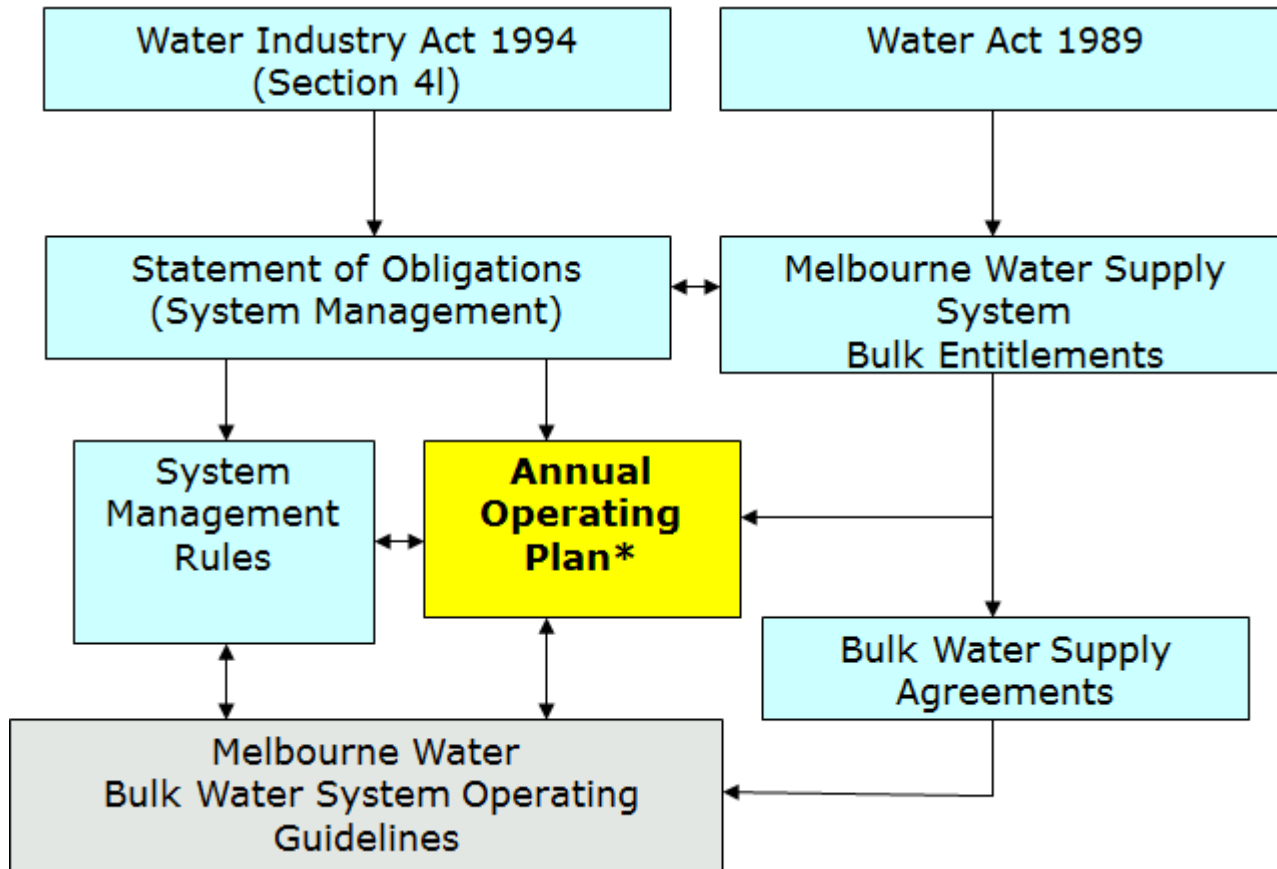
- Silvan Reservoir
- Cardinia Reservoir
- Greenvale Reservoir
- Sugarloaf Reservoir
- Tarago Reservoir
- Yan Yean Reservoir

Water flows out to:

- Households and businesses across Melbourne via water retailers' network of pipes



How we are governed



*AOP OBJECTIVES:

Maximise Harvest
(minimise spills)

Optimise Water
Quality

Optimise Cost

Ensure All Obligations
are met
(Environmental flows,
Irrigation releases etc.)

Key Considerations in Water Provision

Security of Supply – Short & Long Term

Current storage levels & climate outlook

Customer Obligations & Preferences

Water quality, pressure, quantity, environmental flows

System Optimisation

Source costs & maximising hydro generation where possible

Major Capital & Maintenance

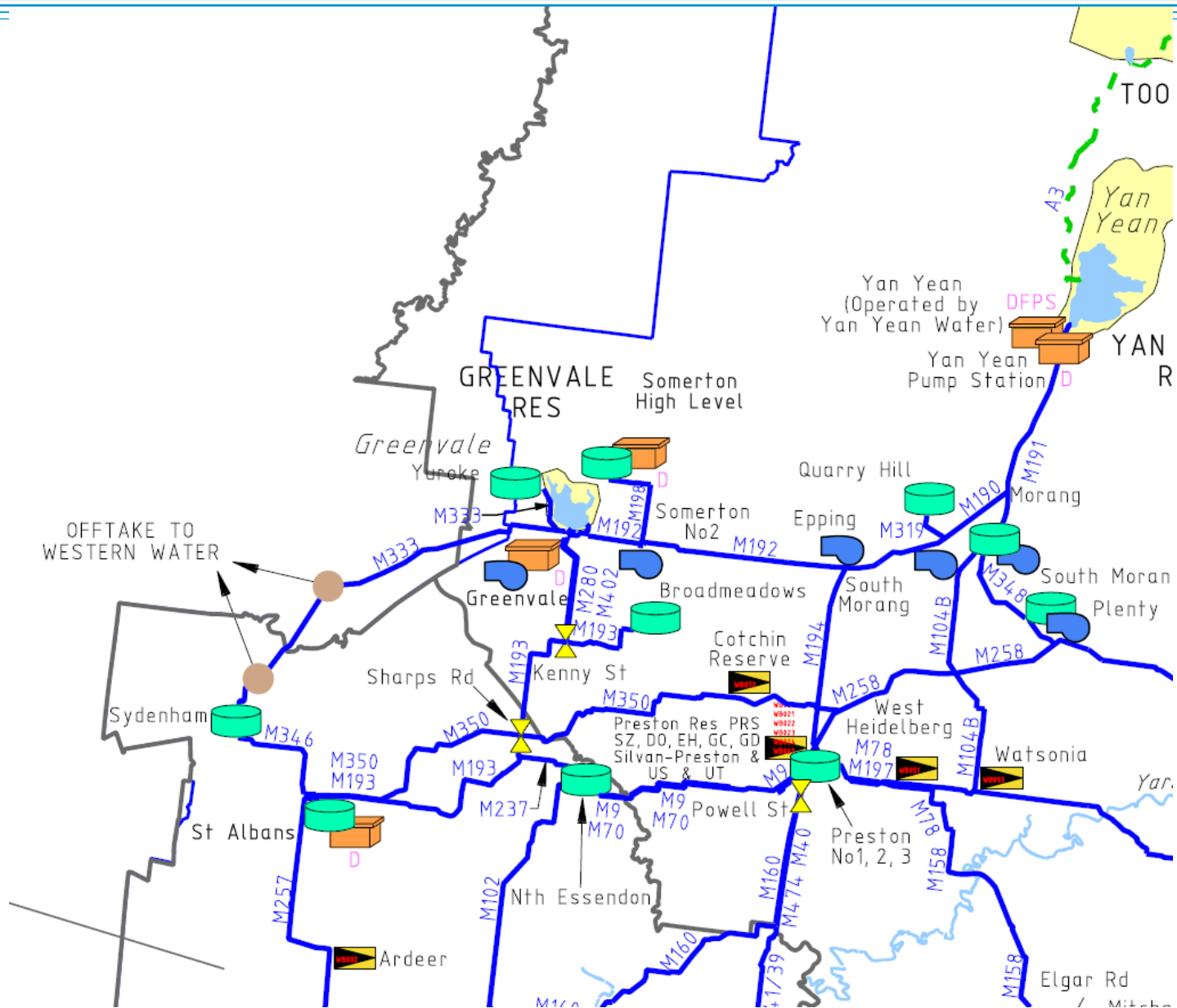
Managing risk with customers to enable system continuity and flexibility

Operational Planning Assumptions & Constraints

Demand forecasts, system constraints, coal tar mains

Unplanned events

Bushfire, pipe bursts, facility failure



Delivering Transformation in Water Supply

Operators to Optimisers

Deploying People to do tasks

e.g.. Mobile computing, continued focus on automation across system, introduction of civil headwork's team

Decision Making with Better Information

e.g.. ODS, Maintenance focus, Winneke optimisation

Safety from Compliance to Commitment

e.g.. Focus on hazard reporting, electronic permits, chlorine review

Think Customer Valued Services

e.g. partnership plans and continuing focus on relationship with retailers

Build Core Competencies

e.g.. Cert 111 quals for water operators