

THE SETTING

- APPROXIMATELY 760 ha
- NEARLY TWO THIRDS OF THE SITE IS PARKLAND.
- SPORTING COMPLEX
- RESIDENTIAL AREA
- COMMERCIAL FACILITIES
- **FUTURE EXPANSION**
- MODEL DEVELOPMENT





THE CHANGING DRIVER

NECESSITY TO REPLACE POTABLE WITH RECYCLED WATER

FOR NON-DRINKING USES.

WHAT IS RECYCLING ...?

Turning water into...

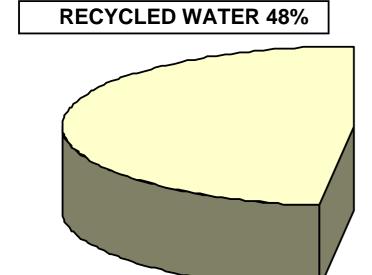
water

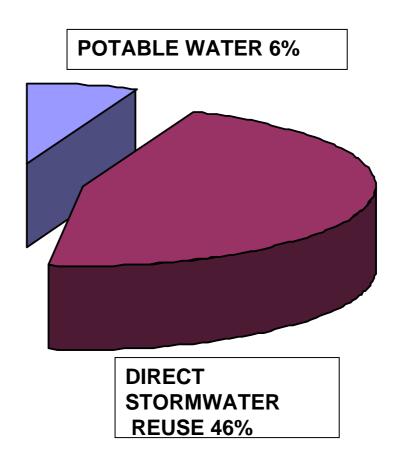
SOP WATER RESOURCES

- DRINKING WATER
- SEWAGE TREATED BY WRAMS
- STORMWATER TREATED BY WRAMS
- STORMWATER USED DIRECTLY
- RECYCLED WATER

Annual drinking water savings 1250 ML

WATER USE by SOPA







WATER RECYCLING TECHNOLOGY

Sydney Olympic Park











WRAMS AFTER ~ 6 YEARS RECYCLED WATER USAGE

- IRRIGATION PARKLANDS
- RESIDENTIAL GARDENS
- IRRIGATION PLAYING FIELDS
- CLOTHES WASHING
- ORNAMENTAL WATER FEATURES
- FOUNTAINS
- TOILET FLUSHING
- EXTERNAL WASH DOWN
- FIREFIGHTING
- CONSTRUCTION
- COOLING TOWERS
- SWIMMING POOL FILTERS BACKWASH

Recycled Water Economy

- 1. TRADITIONAL WATER SUPPLY AND SANITATION VS.
 INTEGRATED URBAN WATER MANAGEMENT
- 2. DEMAND MANAGEMENT
- 3. CUSTOMER APPROACH TO PRICING
- 4. RATIONALE FOR RECYCLED WATER PRICE
- 5. FUNDING FOR RECYCLED WATER SCHEME

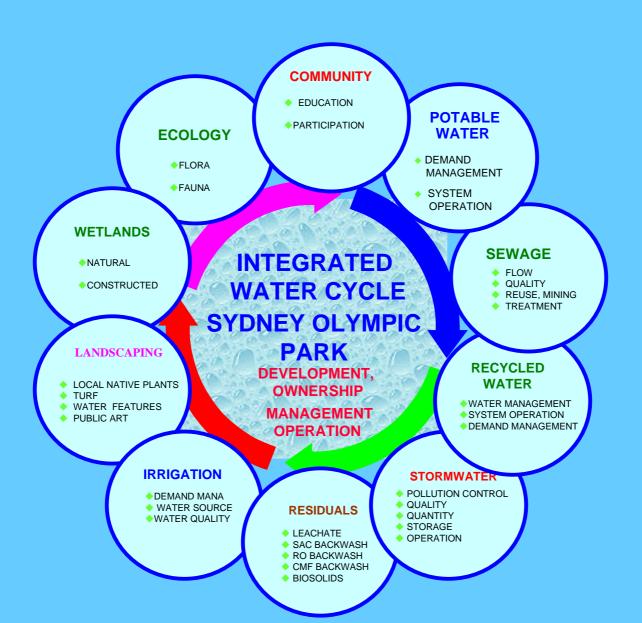


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INTEGRATED WATER CYCLE





CONCLUSION

- BENEFITS OF RECYCLED WATER
- POTABLE WATER VS RECYCLED WATER (PRICE, COSTS, VALUE, QUALITY)
- INSTITUTIONAL ARRANGEMENTS
 SHOULD BE BASED ON INTEGRATION
 ACROSS ALL ELEMENTS OF THE WATER
 CYCLE

