

Port Pirie Greening Program

Legatus Sustainability Forum
23 June 2023

Port Pirie Greening Program

State Government announces funding for Pirie planting projects to reduce lead levels



By Aidan Curtis

Updated March 1 2022 at 3:23pm, first published 3:09pm



PLANTING PROJECT: Deputy Premier Dan van Holst Pellekaan and Port Pirie Mayor Leon Stephens with a rendering of how a greener Pirie might look.

The \$6.1 million has been allocated to the following projects:

- \$2.18 million for the Phoenix Park wetlands, including trees, understory planting and water infrastructure;
- \$1.8 million to vegetate key pedestrian areas;
- \$310,000 to establish native plants in and around Pirie West Primary school;
- \$200,000 for street trees for Solomontown as part of a joint State Government, TLAP and Port Pirie Council effort to provide street trees and pave dusty verges;
- \$1 million to vegetate and water the dusty railway land adjacent to Solomontown;
- \$200,000 to provided subsidised plants to households to increase Port Pirie's green space;
- \$125,000 for community grants for greening projects, which are currently open to applicants; and
- \$300,000 to establish a dust monitoring network in Port Pirie to identify future priorities.

Port Pirie Greening Program

- Native Plants for the community \$200,000
- Phoenix Park Wetland \$2.18million
- Solomontown greening \$200,000
- Water Sensitive Urban Design (WSUD) infrastructure \$2.11million
- Greening Railway Yards \$1million

Pirie West Primary School + streets

Phoenix Park Wetlands

Solomontown local streets

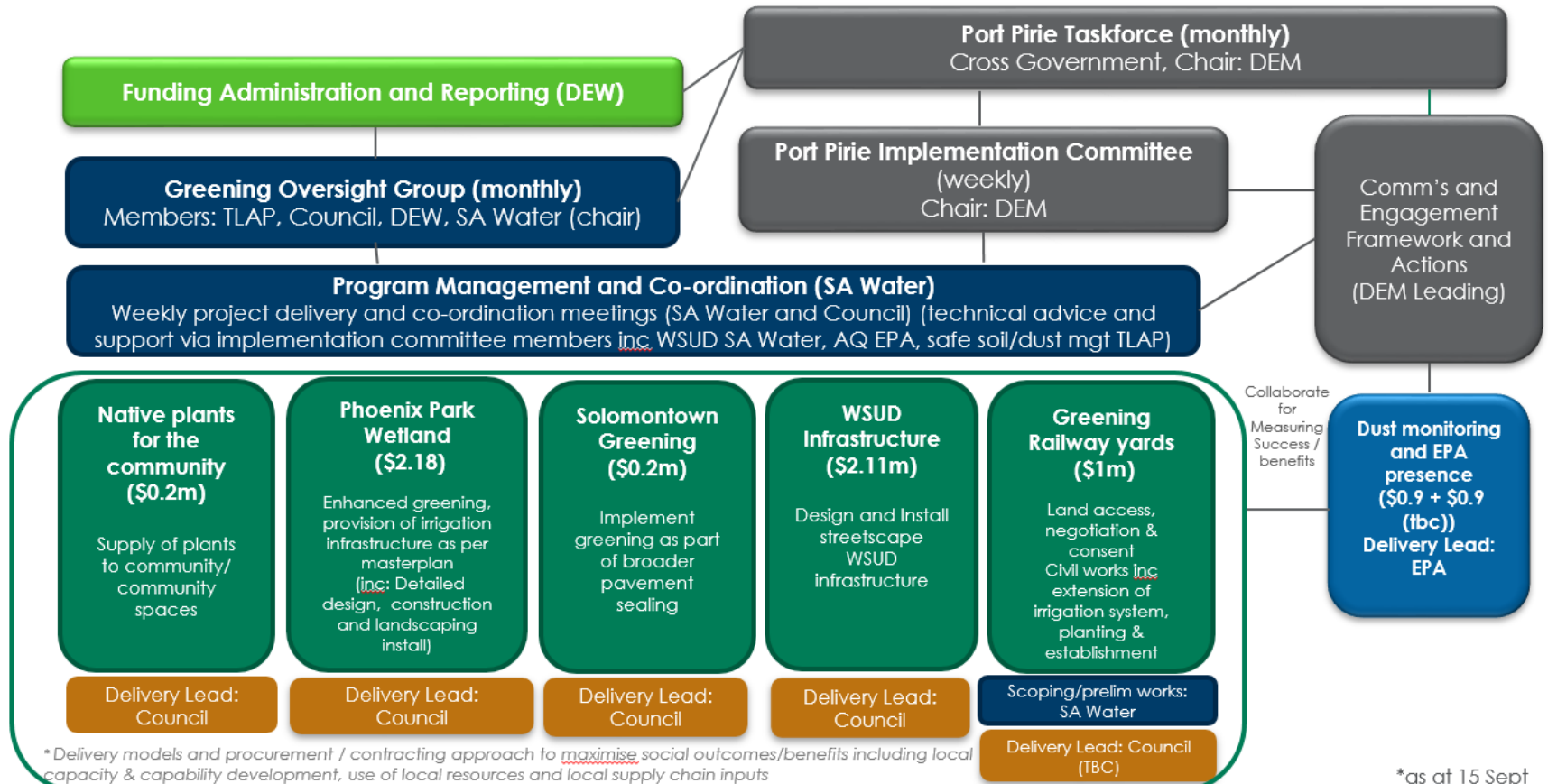
Railway corridor

Community grants across city



Governance Structure

GOVERNANCE STRUCTURE- PORT PIRIE GREENING PROGRAM



* Delivery models and procurement / contracting approach to maximise social outcomes/benefits including local capacity & capability development, use of local resources and local supply chain inputs

*as at 15 Sept 2022

Native Plants for the Community

- \$200,000 to provide subsidised plants to households to increase Port Pirie's green space
- Community workshops
- Demonstration gardens

Phoenix Park Wetlands

- \$2.18 million for the Phoenix Park Wetlands
- Greening of 15ha
- Implementation of 2015 Master Plan
- 600 advanced trees plus high-density understory plantings
- Extension of RO irrigation system and irrigation network

Phoenix Park Wetlands Master Plan.

Port Pirie Regional Council

May 2015



SOILS & OPEN
 Green site to be constructed with 1.5m and 2m deep water storage tanks. Green site to be constructed with 1.5m and 2m deep water storage tanks.

WATER SUSTAINABILITY STRATEGY
 Water sustainability strategy to be developed for the wetlands.

CAR PARK
 Land for car park to be developed.

ENTRY
 Entry to wetlands to be developed with 1.5m and 2m deep water storage tanks.

RECREATION
 Open ground to be developed for recreation purposes for state and local government.

WATER TREATMENT
 Opportunity for water treatment plant to be developed.

EDUCATION
 Education area to be developed for state and local government.

SCULPTED UPLAND
 Opportunity to develop sculpture park to be developed.

BLAZE
 Opportunity to develop blaze to be developed.

LEARNING HUB
 Opportunity to develop learning hub to be developed.

LOOK OUT
 Opportunity to develop look out to be developed.

EDUCATION GARDEN SKILLS ZONE
 Opportunity to develop education garden skills zone to be developed.

RECREATION AREA
 Opportunity to develop recreation area to be developed.

CAR PARK
 Opportunity to develop car park to be developed.

ENTRY
 Opportunity to develop entry to be developed.

WATER SUSTAINABILITY STRATEGY
 Opportunity to develop water sustainability strategy to be developed.

CAR PARK
 Opportunity to develop car park to be developed.

ENTRY
 Opportunity to develop entry to be developed.

Phoenix Park Wetlands

Current view



Proposed view

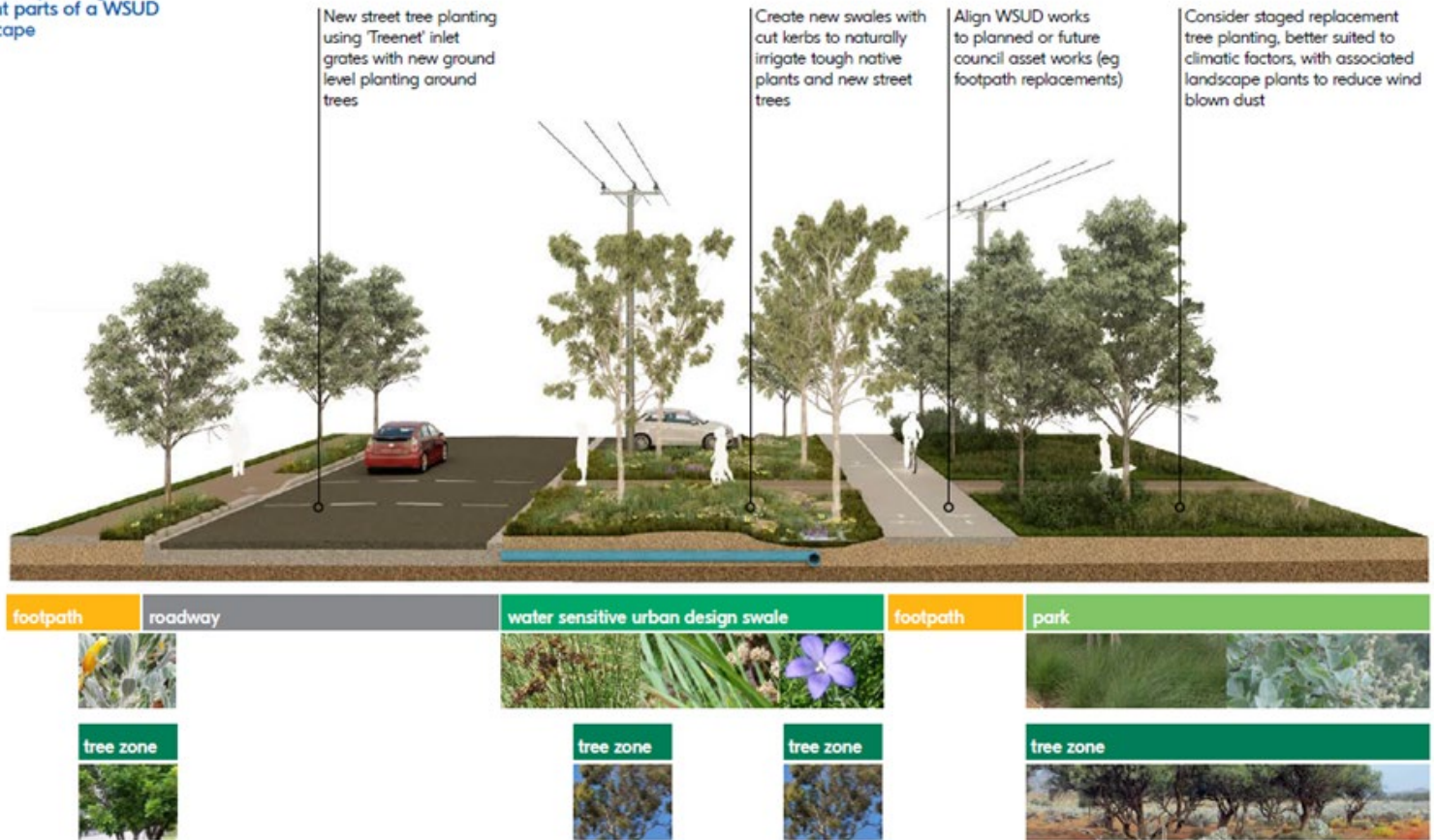


WSUD Infrastructure

- \$300,000 Pirie West WSUD
- \$1.81million for key pedestrian areas

WSUD Infrastructure

Section - explaining the different parts of a WSUD Streetscape



Pirie West WSUD

Current view



Proposed view



Pirie West WSUD

Current view



Proposed view



Rail corridor

- \$1million to green the rail corridor
- Species mix 72% chenopod & 28% native grass
- seed collection and irrigation to support establishment
- Land access agreements – functioning rail

Rail corridor



Current view



Source: SA Water Zero Cost Energy Future seeding trial at Sedan 2020

Solomotown Greening

- \$200,000 for street trees and WSUD infrastructure
- Complemented by \$1million TLAP and \$730,000 Council to concrete footpaths

Solomontown Greening



When applied to multiple houses, will enable more greening across private front and back yards, reducing urban heat island impacts and dust.

Using passive inlets increases opportunities for more street trees across Port Pirie

Simple slotted pipes disperse stormwater to soakage pits under lawn and gardens, overflows to street

Solomontown Greening



Solomontown Greening



Measuring success

- Baseline measurements
- Soil health
- Water quality
- Canopy cover
- Heat
- Surface lead level testing

Community benefits

- Community Plan
- Work hardening program
- Connection to other Council projects
 - Riverbank Precinct Master Plan
 - Memorial Park Master Plan
 - Entrances and other landscaped areas
- Future funding opportunities

Thank you