



North South Interconnection System Project (NSISP), SA

As part of the long-term strategic plan for water in Adelaide, the SA Water Network Water Security Program aims to deliver an integrated solution for water transfer and distribution until 2050.

A key component to this program, the North South Interconnection System Project (NSISP) will upgrade the existing metropolitan Adelaide distribution network infrastructure through interconnectivity between the northern and southern water supply networks.

FACTS AND FIGURES

Client: SA Water

Project value: \$403 million

E&P involvement: 2009 – current

Adelaide's water supply system is roughly split at the River Torrens into a northern system (supplied through the Hope Valley and Anstey Hill Water Treatment Plants) and a southern system (supplied through the Happy Valley Water Treatment Plant). These works will allow SA Water to move water across one connected system - improving water reliability for Adelaide.

The project aims to meet estimated water demand by distributing water from the Adelaide Desalination Plant into metropolitan Adelaide's water supply system.

Evans & Peck's role

Evans & Peck was originally invited to become part of the SA Water team to help them through the business case development and the review of the methodology, construction methods, budgets, risk analysis with an aim of achieving financial approval from the Department of Treasury and Finance in Adelaide. This assistance was provided through the early invitation to become a member of the Project Review Group and participation in the framework deed developed to coordinate the ongoing support to the project delivery team.

Once the NSISP received funding, Evans & Peck worked as part of the SA Water team developing procurement strategies for the project and providing estimating and tender evaluation assistance.

In 2010, the Evans & Peck team was expanded with the appointment of the construction manager, a site supervisory team to oversee construction activities thus representing SA Water and supervising a number of the contract packages.

Results

A number of construction contract and major material procurement packages have been let including pipelines, pump stations, storages and control systems with more due to be let in the near future.

Providing Adelaide with water surety through an interconnected water network

