



The Hon Niall Blair MLC

Minister for Primary Industries
Minister for Lands and Water

IM15/38998

Mr Bill Gye and Ms Marie Minslow
Scotland Island Residents' Association
PO Box 70
CHURCH POINT NSW 2105

Dear Mr Gye and Ms Minslow

Thank you for your letter of 14 December 2015 following our meeting on 26 November 2015 concerning wastewater servicing for Scotland Island under the NSW Government's Priority Sewerage Program (PSP).

As you are aware, Sydney Water's recent strategic planning review of wastewater servicing options for Scotland Island confirmed that transferring wastewater off the Island to Church Point on the mainland would be the least cost effective servicing option.

For your discussion with PS Solutions, I have attached Sydney Water's high level scheme description and breakdown of costs for the preferred wastewater servicing option for Scotland Island. Please note the servicing option and costs are preliminary and are not based on detailed investigations and design.

I appreciate your Association's ongoing interest in this matter.

Yours sincerely

The Hon Niall Blair MLC
Minister for Primary Industries
Minister for Lands and Water

3 MAR 2016

Attachment
Scotland Island Potential Wastewater Servicing Option -
Preliminary Strategic Planning

Wastewater servicing option

Similar to the wastewater network delivered for the residents of Dangar Island, the scheme for Scotland Island comprises:

- Installation of a low pressure sewer reticulation network on the Island. Each household would have a small macerator pressure pump and collection tank installed on the property which would pump into the Sydney Water's reticulation network installed in the public footpath and road reserves.
- Collection of wastewater at an underground storage well at Harold Reserve on Scotland Island which is pumped across to Church Point on the mainland via a transfer pipe.
- A connection to the existing sewer in Pittwater Road which is part of Sydney Water's Warriewood sewage treatment system.

Estimated scheme costs

The following costs are based on the achieved cost of delivering the reticulation system to Dangar Island. Recent construction experience utilising directional drilling technology for the transfer main have also been reflected resulting in an anticipated reduction in the cost of constructing the transfer main.

Range will depend on additional difficulty or complexity at Scotland Island compared with Dangar Island including higher incidence of steeper gradients, narrower and unformed footpaths and roads, rock outcrops, and only small pockets of foreshore parkland available for construction activities.

Item	Estimated range of cost	Remarks
Pressure sewer reticulation on the Island	\$37 to 44 million	Includes reticulation network within footpath and road reserves on the Island and on-property equipment comprising a small macerator pressure pump and pot for each household ¹
Transfer infrastructure	\$12 to 15 million	Includes transfer main between Harold Reserve and Church Point, pumping station and storage well at Harold Reserve. Temporary construction site at Church Point public car park for directional drilling ¹
Barge	\$10 million	During construction for transfer and potential storage of material and equipment. Based on pro-rata cost of barge used to deliver the transfer main for the Sydney Desalination project.
Sydney Water costs	\$6 to 11 million	Cost includes planning, tendering, project management, insurance and financing costs
Estimated TOTAL for Scheme	\$65 to 80 million	Equates to about \$185,000 to \$230,000 for each household

¹ cost includes contractor indirect costs, contractor margin and risk contingency allowance