

Proposal for Singapore's fifth desalination plant awarded to Tuas Power – Singapore Technologies Marine Consortium

Singapore, 27 September 2017 - PUB, Singapore's National Water Agency, has selected Tuas Power – Singapore Technologies Marine Consortium (TP-STM) as the Preferred Bidder for Singapore's fifth desalination plant, to be located on Jurong Island. As the Preferred Bidder, TP-STM will form a concession company to enter into a Water Purchase Agreement (WPA) with PUB by October 2017. The WPA will take full effect once all agreements have been finalised and executed, and the concession company achieves financial close.

The desalination plant on Jurong Island is expected to commence operations in 2020 and will add 30 million gallons (mgd) or approximately 137,000 cubic metres of water per day to the nation's water supply. The seawater reverse-osmosis desalination plant will be co-located with Tuas Power's existing Tembusu Multi-Utilities Complex to derive synergies in resources such as seawater intake and outfall structures, and energy from the in-plant generation facilities.

In February 2017, four pre-qualified applicants were invited to submit their proposals for the desalination plant. These applicants possessed suitable land for the plant, and demonstrated synergies with co-located facilities on Jurong Island. Of these, eight bids were submitted by three applicants, namely TP-STM, Keppel Infrastructure Holdings and Sembcorp Utilities – SUEZ International Consortium. At a first-year price of \$0.91 per cubic metre, TP-STM offered the most competitive tariff among the three bidders. It will supply desalinated water to PUB over a 25-year period from 2020 to 2045.

"Desalinated water is a key part of Singapore's water supply portfolio. As a weather-independent source, it strengthens the reliability of our water supply against droughts. This fifth plant is part of our plans to expand desalination capacity to meet up to 30% of our future water needs in the long term," said Mr Young Joo Chye, PUB's Director of Engineering Development and Procurement.

The desalination plant on Jurong Island is PUB's seventh Design-Build-Own-Operate project between PUB and the private sector. The first six are the 30 mgd SingSpring Desalination Plant, the 32 mgd Keppel-Seghers Ulu Pandan NEWater Plant, the 50 mgd SembCorp NEWater Plant, the 70 mgd TuaSpring Desalination Plant, the 50 mgd BEWG-UESH NEWater Plant and more recently, the 30 mgd Keppel Marina East Desalination Plant which is currently under construction.

Desalinated water is one of PUB's Four National Taps, a long term water supply strategy to ensure a robust and sustainable supply of water for Singapore. The other three sources are water from local catchments, imported water from Johor and NEWater. Desalination currently meets up to 25% of Singapore's water demand. The third desalination plant is expected to be completed in Tuas by 2017, and the fourth in Marina East by 2020.

- End -

About PUB, Singapore's National Water Agency

PUB is a statutory board under the Ministry of the Environment and Water Resources. It is the national water agency, and manages Singapore's water supply, water catchment and used water in an integrated way.

PUB has ensured a diversified and sustainable supply of water for Singapore with the Four National Taps (local catchment water, imported water, NEWater, desalinated water).

PUB calls on everyone to play a part in conserving water, in keeping our waterways clean, and in caring for Singapore's precious water resources. If we all do our little bit, there will be enough water for all our needs – for commerce and industry, for living, for life.

Find out more about us

Like us at www.facebook.com/PUBsg

Follow us on www.instagram.com/PUBsingapore and www.twitter.com/PUBsingapore

Subscribe to our channel at www.youtube.com/sgPUB

For our latest event photos, visit www.flickr.com/PUBsg or www.pinterest.com/PUBsg

Download our mobile apps: MyWaters for [iOS](#), [Android](#) or [Windows Phone](#)

Visit our website at www.pub.gov.sg

National Archives of Singapore