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PRESS RELEASE:

Official Launching Ceremony of the Bukit Dumbar Reservoir 4  
by Penang Chief Minister YAB Tuan Chow Kon Yeow.

## **RM140.4 MILLION IN WATER SUPPLY PROJECTS FOR PENANG.**

PENANG, FRIDAY, 1/6/2018: Since 2017, Perbadanan Bekalan Air Pulau Pinang Sdn Bhd (PBAPP) has completed 2 key water supply engineering projects and undertaken a 3rd major project for the benefit of Penang and its people. The combined value of these 3 projects is RM140.4 million:

- The **RM125.0 million Butterworth-to-Penang Twin Submarine Pipeline Project** which will facilitate more efficient pumping of more treated water from Sungai Dua to this location in the future. This new submarine pipeline project for Penang is scheduled for completion in December 2020;
- The **RM6.1 million Phase 1 of the Penang Water Supply Command Centre** in the Sungai Dua Water Treatment Plant in Seberang Prai. This command centre (launched by YB Tuan Lim Guan Eng, in his capacity as Penang Chief Minister then, on 15/3/2018) enables real-time monitoring and implementation of daily water supply operations in Penang; and
- The new **RM9.3 million Bukit Dumbar Reservoir 4 (BDR4)** in the Bukit Dumbar Reservoir and Pumping Station Complex to store more treated water for pumping to the southern areas of Penang Island.

**Penang Chief Minister YAB Tuan Chow Kon Yeow** said Penang's water demand had increased by 11.0% from an average of 744 million litres per day (MLD) in 2008 to an average of 826 MLD in 2017.

“The point I wish to make is that Penang's water demand does not remain the same, year after year. It will continue to grow, in line with population growth and increasing socioeconomic activities. More people and more businesses will need more water in the future.

Based on PBAPP's projections, our water demand will reach 1,884 MLD by Year 2050," he said at the launching ceremony of the BDR4 here today.

YAB Tuan Chow said this was the reason why PBAPP operated in accordance to an ISO 9001:2015 policy of continual improvement in water supply engineering.

"PBAPP stays ahead of water demand in Penang by implementing smart and effective water engineering projects and services. As a result, Penang has achieved a water treatment reserve margin of 34.8% in 2017, the highest in Malaysia. A high water treatment reserve margin is important because it means that our risk of a water supply shortage is low," he said.

"We must always plan ahead to avoid a water crisis because we do not want the people to suffer. At the same time, we do not want Penang-based businesses to suffer losses," he said.

## **NEW RESERVOIR BENEFITS ABOUT 315,000 PEOPLE AND HIGH-TECH MANUFACTURING COMPANIES IN BAYAN LEPAS**

YAB Tuan Chow said the BDR4 would benefit about 315,000 people and thousands of businesses located in the southern areas of Penang Island in the following ways:

- Availability of more treated water to meet future water demand;
- Enhanced water supply security, 24/7, 365 days a year;
- Less incidences of water supply interruptions as related to treated water availability;
- Lower risks of water shortages, especially during dry seasons; and
- More consistent delivery of water to all supply areas, even during periods of high water demand.

Meanwhile, **Dato' Ir. Jaseni Maidinsa, the CEO of PBAPP and PBA Holdings Bhd**, said BDR4 was the 4<sup>th</sup> reservoir to be commissioned in the Bukit Dumbar Reservoir and Pumping Station Complex.

"This complex is an important water installation that now comprises 4 treated water reservoirs and 2 pumping stations.

“The treated water which is stored in our 4 reservoirs here originates from the Sungai Dua Water Treatment Plant in Seberang Prai. The treated water from Sungai Dua is pumped here via two twin submarine pipelines,” Dato’ Ir. Jaseni said.

He said PBAPP pumped an average of 250 MLD of treated water from Bukit Dumbar to about 315,000 people in the southern areas of Penang Island, as well as to all the high-tech manufacturing companies in the Bayan Lepas Free Trade Zone and the Penang International Airport.

Dato’ Ir. Jaseni said the service areas of the PBAPP Bukit Dumbar Reservoir and Pumping Station Complex include: Universiti Sains Malaysia (USM), Gelugor, Batu Uban, Sungai Nibong, Bayan Baru, Relau, Sungai Ara, Batu Maung, Bayan Lepas, Permatang Damar Laut, Teluk Kumbar, Gertak Sanggul, Genting and Balik Pulau.

“BDR4 was constructed to store a maximum of 36 million litres of treated water. With the commissioning of BDR4, we have increased our treated water storage capacity in Bukit Dumbar by 28.6%, from 126 million litres to 162 million litres. This means that we can store more treated water for pumping to the southern areas of the island,” he said.

He said the BDR4 project was awarded after a public tender exercise. “The total cost was about RM9.3 million and this reinforced concrete structure was constructed in 24 months, according to schedule,” he said.

“PBAPP built BDR4 to enhance water supply security for the southern areas of Penang Island. We invested in BDR4 to support increasing socioeconomic activities in one of the fastest growing areas in the State of Penang,” he added.

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