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PRESS STATEMENT

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HIGH WATER DEMAND: PBAPP PLANS TO INVEST MORE THAN RM1 BILLION TO BUY TIME FOR PENANG UNTIL 2030

- **Water Contingency Plan 2030 (WCP 2030) project portfolio expanded to include 2 new pipeline projects for the pumping more treated water from the Sungai Dua Water Treatment Plant (WTP) to Penang Island and another water treatment plant.**

PENANG, Saturday, 13.5.2023: Perbadanan Bekalan Air Pulau Pinang Sdn Bhd (PBAPP) plans to invest about RM1.185 billion to implement important water supply projects over the next 5 years.

These projects include the 5 original key components of PBAPP's Water Contingency Plan (WCP 2030):

Projects	Targeted Completion	Maximum yield (million litres per day – MLD)	Projected Investment (RM million)
1 New Bukit Panchor DAF water treatment plant (WTP)	2023	10	20
2 Package 12A, Sungai Dua WTP (additional water treatment module)	2023	114	31
3 Mengkuang Dam WTP	2025	114	120
4 Sungai Kerian WTP, Phase 1	2027	114	171
5 Sungai Perai Water Supply Scheme (including pre-treatment of raw water)	2028	136	500
Sub-Total		488	842

These 5 original components will optimise and increase PBAPP's water treatment capacity in Penang. The implementation of these projects will also allow Penang to tap "3 new supplementary raw water resources" on the mainland: the Expanded Mengkuang Dam (EMD), Sungai Kerian in Seberang Perai Selatan (SPS) and Sungai Perai.

As at May 2023, PBAPP is planning to implement 3 additional new components of the WCP 2030:

Projects	Targeted Completion	Maximum treated water throughput (MLD)	Projected Investment (RM million)
6 Laying of 13.0km of 1,800mm water distribution pipelines from the Sungai Dua WTP to Butterworth in Seberang Perai.	2024	315	128
7 Laying of 3.9km of 1,800mm water distribution pipelines from the Macallum Area to the PBAPP Bukit Dumbar Reservoir and Pumping Station Complex on Penang Island.	2024	315	44

These 2 new WCP 2030 projects will facilitate the pumping of more treated water from the Sungai Dua WTP in Seberang Perai to Penang Island.

On the mainland, the new Sungai Dua WTP to Butterworth pipeline will be connected to the inlets of submarine pipelines. On the island, the new Macallum Area to Bukit Dumbar pipeline will be connected to the outlets of the submarine pipelines.

While the majority of the WCP 2030 projects are located in Seberang Perai to meet water demand on the mainland, we also need to supply more treated water to Penang Island to mitigate the risks of water shortages during future dry seasons.

Project	Targeted Completion	Maximum yield (million litres per day – MLD)	Projected Investment (RM million)
8 Sungai Muda WTP	2028	114	171

Additionally, PBAPP plans to build an additional new WTP at Sungai Muda to increase water treatment output by 114 MLD.

So, to summarise: There are now 8 WCP 2030 projects that are scheduled for implementation for Penang in a 5-year timeframe from 2023 to 2028.

The total projected investment for these 8 projects amounts to RM1.185 billion.

This level of investment reflects PBAPP and the Penang State Government's unwavering commitment to ensure water supply sustainability throughout the State of Penang until 2030.

We need more water supply to achieve the aspirations of the State Government's Penang2030 vision. We must also minimise the risks of a water supply crisis before the commissioning of the Sungai Perak Raw Water Transfer Scheme (SPRWTS).

The WCP 2030 projects should be able to address a projected maximum water demand of 1,500 MLD in Penang by 2030.

Thank You.

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