

PUB press release



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DEVELOPMENT PROJECTS IN 1992

The Public Utilities Board will spend \$1,035.6 million in 1992 on development projects to meet Singapore's demand for electricity, water and gas.

This capital expenditure will increase its investments in property, plant and equipment to \$10,711.8 million. \$877.2 million will be spent on electricity projects, \$98.7 million on water projects and \$53.7 million on gas projects.

Electricity Projects

Next year, of the \$877.2 million for electricity projects, about \$619.8 million will be spent to expand, upgrade and modify the electricity transmission and distribution network. Reliability of supply will be accorded top priority. The electricity network is designed and constructed to enable swift restoration of power supply in the event of a cable failure. High Tension (HT) cables are being laid in conduits and encased in concrete as an added protection against damage. Most of the 22kV distribution network have been reconstructed to operate in ring circuits so that there is no interruption in power supply in the event of a cable failure.

\$97.8 million will be spent on the Pulau Seraya Power Station Stage II Project which comprises three 250 MW generating units. The first unit is scheduled to be operational in January 1992, followed by the other two units at six-monthly intervals. Together with the associated transmission facilities, the Stage II development is estimated to cost \$1 billion.

To meet anticipated increase in power demand, the Board will be building another power station at Pulau Seraya. Sited next to Stage II, Pulau Seraya Power Station Stage III, comprising an additional three 250 MW generating units will cost another \$1 billion of which \$86 million will be expended in 1992. When fully completed in 1996, Pulau Seraya Power Station will have a total generating capacity of 2250 MW to cater for Singapore's increasing power requirement into the next century.

Another \$59 million will be spent on the conversion of five units of 250 MW generators at Senoko Power Station to dual oil-gas firing. Work will be completed by mid-1993. The first unit is expected to be completed and be able to use natural gas for power generation in May 1992.

Water Projects

Of the \$98.7 million to be spent on water projects, \$42.8 million is for the Linggiu Reservoir Project. This project which commenced in 1988 is scheduled for completion in 1993. The total estimated cost of the project is \$330 million. Another \$7.2 million will be spent on other water supply projects in Johor.

\$11.8 million will be used for the reconstruction of the Murnane Service Reservoir which will cost a total of \$33 million. When completed in early 1993, its storage capacity will be increased to 276,000 cubic metres.

A total of \$16.9 million will be spent in 1992 to further expand and improve the water distribution network. \$12.4 million will be used for the expansion of the transmission and distribution network while \$4.5 million will be for upgrading and improving the existing distribution network. This will further enhance the reliability of water supply.

Another \$6.5 million will be spent on Stage II of the Remote Monitoring and Supervisory Control System for the water supply network. Stage I of the project, completed in 1985, enabled the raw water pumping stations, reservoirs and service reservoirs to be remotely monitored and controlled from

Woodleigh System Control Centre (WSCC). Stage II involves the computerisation and automation of the treatment processes at Woodleigh, Chestnut Avenue and Choa Chu Kang Waterworks. The computerisation of Woodleigh Waterworks was completed in 1990. Choa Chu Kang and Chestnut Avenue Waterworks will be fully computerised in 1992. All these waterworks will be linked to WSCC.

Gas Projects

A record \$53.7 million will be spent on gas projects in 1992, of which \$23.1 million will be for preliminary works on the relocation of the Gasworks from Kallang to Senoko.

Osaka Gas Engineering Co Ltd has been appointed to provide consultancy services at a cost of about \$3 million for the new gasworks development. Work commenced in September 1991 and is expected to be completed in 1996.

The scope of services under the contract include the preparation of a conceptual master plan, layout design, detailed engineering, preparation of technical specifications, project management, construction supervision and provision of training.

When Senoko Gasworks is completed in end 1996, the Gasworks at Kallang will then be phased out. Prior to the completion of the new gasworks at Senoko, another \$8.2 million will be spent on a gasmaking plant to meet the demand for gas.

The gas distribution network will be reinforced and enhanced at a cost of \$9.2 million. A further \$8.6 million will be spent to extend the piped gas network to 18,200 new HDB units, commercial and other private developments.

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