

ITEM	2
MANAGER'S REPORT NO.	60
COUNCIL MEETING	92/09/28

3.0 WATER CONSERVATION MEASURES IN SYDNEY, AUSTRALIA 109

Pursuant to the request from Council, staff have contacted the Sydney Water Board in Australia to obtain background information on the dual flush toilet system.

According to information supplied to us by the Sydney Water Board, the Australian Water Resources Council adopted a policy in 1991 urging water authorities to use dual flush toilets. The principal aspects of the dual flush toilets (6 litres flush for solids transport and 3 litres for liquids transport) are to reduce water consumption and wastewater treatment yet maintaining a satisfactory self cleansing action.

The Sydney Water Board fully supports and encourages dual flush operation but at this time does not have a mandatory implementation policy. However, a number of other water authorities in Western Australia have or are considering mandatory dual flush toilet installations for new construction or replacement.

Test projects carried out by the water authorities in Australia indicated that they are satisfied with the reservoir and bowl designs of the dual flush toilets and found no adverse effects on the receiving sewers or service connections with the use of low flow dual flush toilets.

4.0 CONCLUSIONS

In an effort to reduce energy costs and water consumption, Burnaby Parks Department has equipped the shower heads at all pool facilities with flow restrictors. The use of the flow restrictors will also be extended to other recreation facilities where applicable in the near future. Other water saving initiatives have also been undertaken and will continue to be promoted by staff to conserve the water resources.

Water conservation efforts practised by several water authorities in Australia include a rather innovative approach utilizing a dual flush (6l/3l) toilet system. The design has been tested and proven effective with respect to the water saving objective and the cleaning/maintenance requirements.

The Greater Vancouver Water District is presently undertaking a comprehensive study of the regional water supply which includes an evaluation of water conservation methods. It is recommended that a copy of this report be forwarded to the Water District for consideration in the regional water supply study.


DIRECTOR ENGINEERING

LSC:jfb

cc: Director Recreation & Cultural Services
Director Planning & Building Inspection
A/Chief Public Health Inspector