The Green Building Handbook South Africa Volume 5: The Essential Guide

Net zero water

Lindeque M

CSIR, Built Environment

MLindeque@csir.co.za

Abstract

Is it possible to develop a building that uses a net zero amount of water? In recent years it has become evident that it is possible to have buildings that use a net zero amount of electricity. This is possible when the building is taken off the national grid. The unfortunate situation with water is that there is no replacement technology for water. Water can be supplied from many different sources. A net zero energy development will move closer to a net zero water development by reducing the demand on electrical energy that is generated from coal fired power stations.