

A photograph of the Melbourne skyline, featuring several tall skyscrapers and a prominent church with a tall spire. In the foreground, a stone bridge with multiple arches spans across a river. The sky is blue with scattered white clouds. The text 'hedging against drought in Melbourne, Australia' is overlaid on the image.

# hedging against drought in Melbourne, Australia

Around the world, we are teaming up with local municipalities and businesses to help prepare these areas to help continue to produce water in the years to come.

Located in Melbourne, Australia, the sprawling Victoria desalination plant is a vital part of Victoria's water system and provides a rainfall-independent source of drinking water throughout the state. In coordination with SUEZ, designers have employed a two-pass reverse osmosis process that guarantees a sustainable, "drought proof" water supply for people who depend on it for the next century.

## each day

The Victoria Desalination plant can supply up to 118.7 million gallons of drinking water to the City of Melbourne each day. It was designed with the capability of producing up to 159 million gallons of drinking water each day.



## our commitment to serving Melbourne, Australia communities

The Victoria Desalination plant can supply up to 118.7 million gallons per day of drinking water and was named the 2013 Desalination Plant of the Year. With a size and scale suited for the drought-like conditions that plague the U.S., the technology opens doors for areas that can't efficiently transport water to those who need it.

The Victoria Desalination Project was designed for minimal power consumption and with the capacity to produce and supply up to 158 million gallons of drinking water to the city of Melbourne per day. Besides the hydroelectric energy recovered and used for the reverse osmosis, the energy needed for the operation of the plant is entirely offset by the green electricity produced by two wind farms.

The project was also a challenge in terms of human resources: at peak construction time, 4,200 workers of 20 different

nationalities were employed on site every day.

The Victoria Desalination PLANT also includes a world-class revegetation project, which has transformed the area into the rich ecological biomes that existed here before human interference. The plant has the biggest green roof in Australia and it is surrounded by a 225-hectare ecological reserve creating a biosphere for local flora.

By reconnecting important coastal reserves, the restoration project greatly enhances the region's habitat values. The reserve includes 8 kilometers of trails for pedestrians, cyclists and horse riders, a bird hide, viewing decks, boardwalks and picnic shelters. The reserve is open to the general public and you can schedule tours at the plant for community groups and organizations.

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