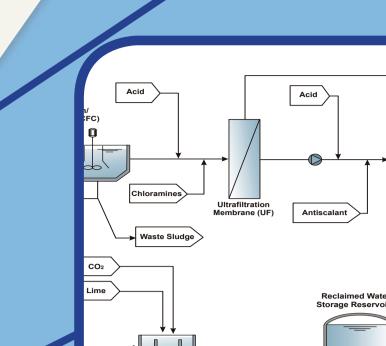


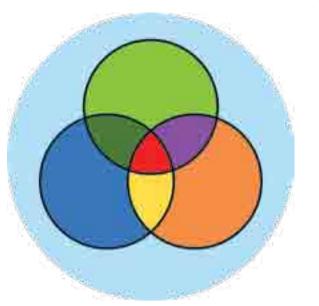
Tongaat

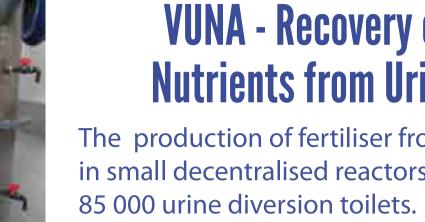


















Rainwater harvesting

The construction of rain water harvesting tanks and the development of community co-operative gardens has resulted in a reliable and sustainable supply of water for irrigation needs.

Line department **EWS** • Project lead **EWS**



Umgeni catchment

n investigation into maintaining the well unctioning of the ecological infrastructure of the river system supplying the municipality is expected to improve water quality, reduce sediment loads, reduce flood risk and

ine department **EPCPD** • Project lead **EPCPD**

Whole of EMA

Non Revenue Water

A suite interventions to reduce

the municipality.

the non-revenue water loss within

Line department **EWS** • Project lead **EWS**

Whole of EMA

Solar City Frameworl

Pilot the "Solar City" concept

Whole of EMA

Commissioning of a wind map for

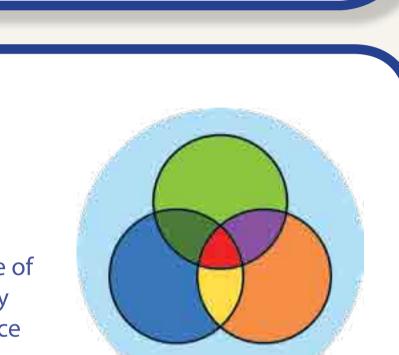
wind power generation.

the entire municipal area to promote

to promote the uptake of solar

technologies in the municipality.

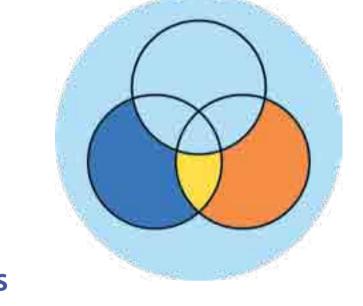
Line department **EO** • Project lead **EO**



biodiversity refuge conservation, river flow regulation).

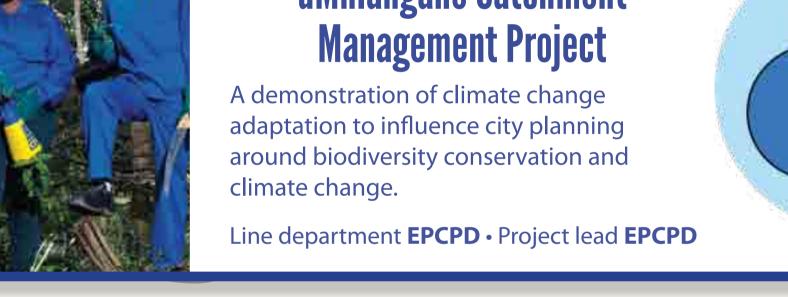
Line department **EPCPD** • Project lead **EPCPD**

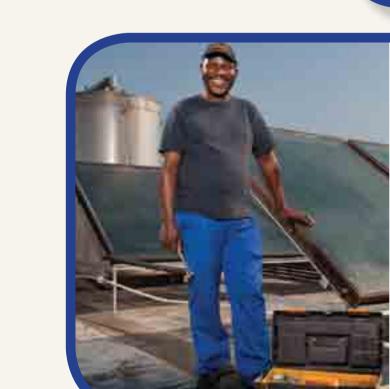
The installation of mini turbines in the Northern Aqueduct water distribution systemto use the excess pressure and generate electricity which will be fed











Solar Water Heating for Hostels The installation of Solar Water Heaters in 25 units in the KwaDabaka hostels in order to promote energy efficiency.





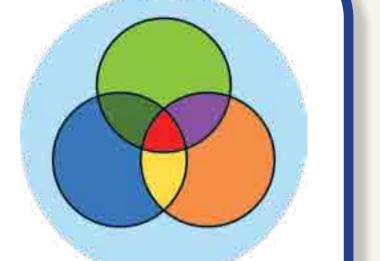
A low cost solar water heater programme to demonstrate the reduction in the amount of energy used by low cost households to heat water.

Line department **EO** • Project lead **EO**

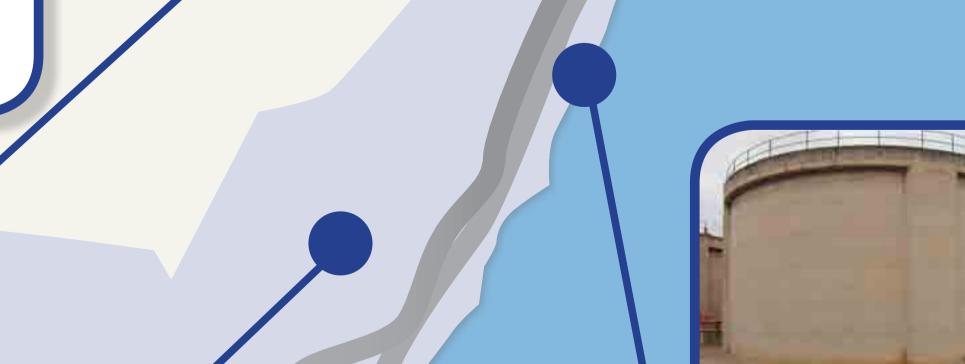


Kwa-Ximba The use of grey water in growing tubes and food gardens to prevention water pollution in rural and informal settlements.

Line department **EWS** • Project lead **Khanyisa**







Umkomaas

Methane To Electricity at the larger wastewater

Line department **EWS** • Project lead **EWS**



Wastewater Reuse And Recycling

Southern WWTW

The Durban Water

Recycling Project

A PPP for the reclamation of high

quality industrial grade water from

potable water for domestic consumers.

Line department **EWS** • Project lead **Veolia**

wastewater thus releasing more











Mariannhill & Bissasar Rd

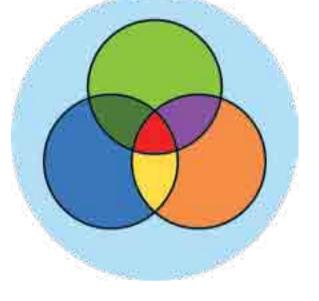
Landfill gas to electricity

The extraction and use of landfill gas

Line department **DSW** • Project lead **DSW**

to generate electricity.

technical and social support to 100 community gardens during 2013 and 2014. The process involved an agricultural and social assessment followed by a rollout programme. Line department IMS • Project lead IMS







The removal and recovery of nitroger and phosphorous compounds from concentrated streams within wastewater treatment plants for use as fertiliser.



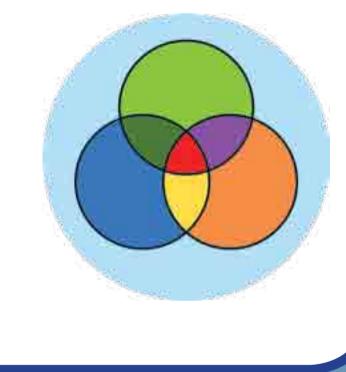




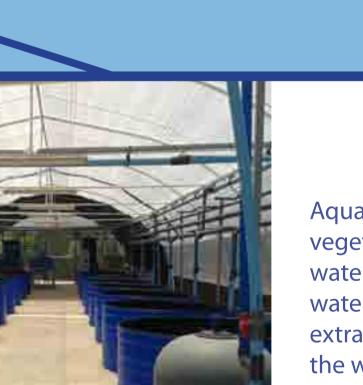
Cato Ridge



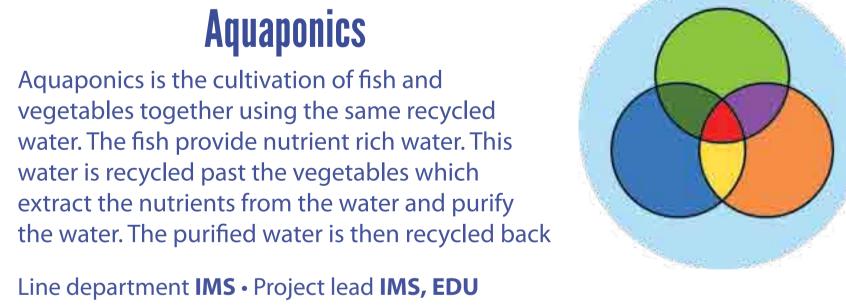


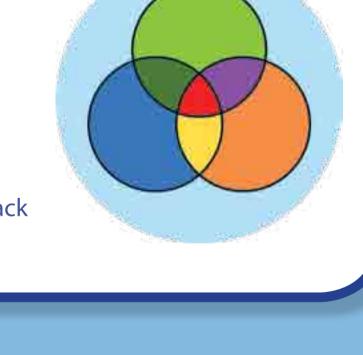






Aquaponics is the cultivation of fish and vegetables together using the same recycle water. The fish provide nutrient rich water. Th water is recycled past the vegetables which extract the nutrients from the water and purify the water. The purified water is then recycled back

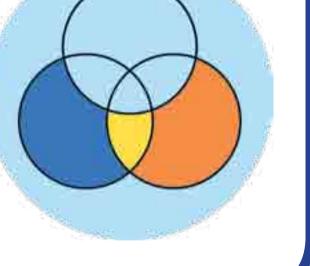


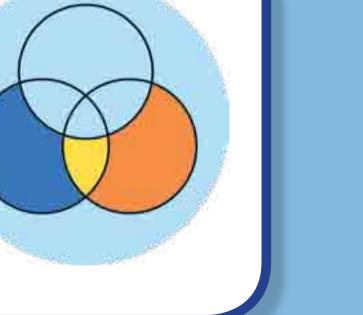




Amanzimtoti WWTW **Co-digestion**

The co-digestion of high strength organic industrial concentrates with sewage sludge to reduce effluent discharge costs for industry and to



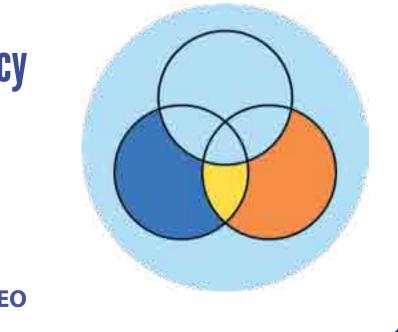


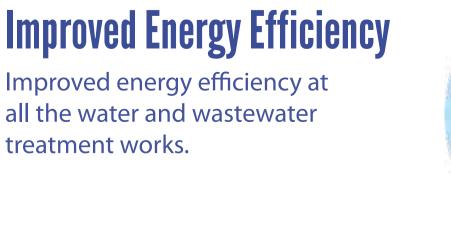


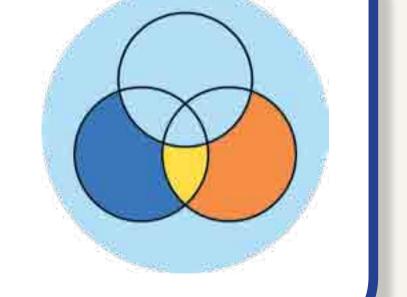


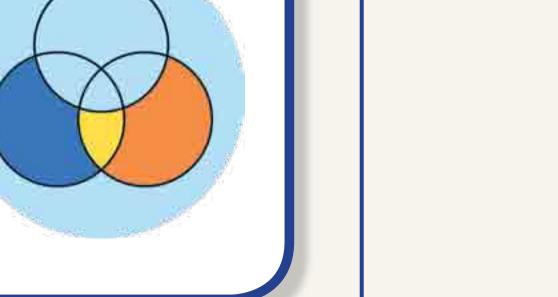


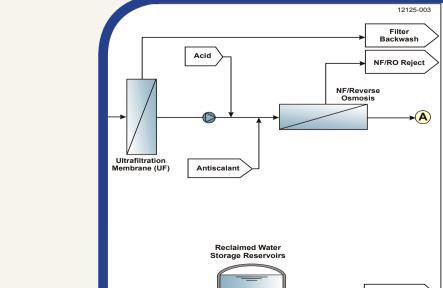
Line department **EO** • Project lead **EO**











Treated Wastewater Fo

ine department **EWS** • Project lead **Khanyisa**

