

Eskom KZN Buildings

Energy Efficient Lighting Project (DSM)

The objective of this project was to reduce the lighting load at all the Eskom buildings that are situated in the KZN are. A study performed by Magnet showed possible reduction in their electrical installed capacity by 0.433MW.

The project involved the following:

- Replacing the existing light fittings with equivalents of higher energy efficiency
- Retrofitting existing fittings with new control gear e.g. replacing magnetic ballasts with electronic control gear
- Re-lamping existing fittings with more efficient lamps where appropriate
- Leaving existing fittings as is - where appropriate

The project took place at 106 sites in Eskom's Eastern Region, where 11 000 light fittings were installed. The project saved 45% of the initial load, with a total saving of 440kW. The savings were verified by the University of North West.

Number of Eskom Buildings:	106
Number of Light Fittings:	11 000 fittings
Total Kilowatt Savings:	<u>440 kW</u>
Lighting Load Saved:	45%

The savings were verified by University of North West

