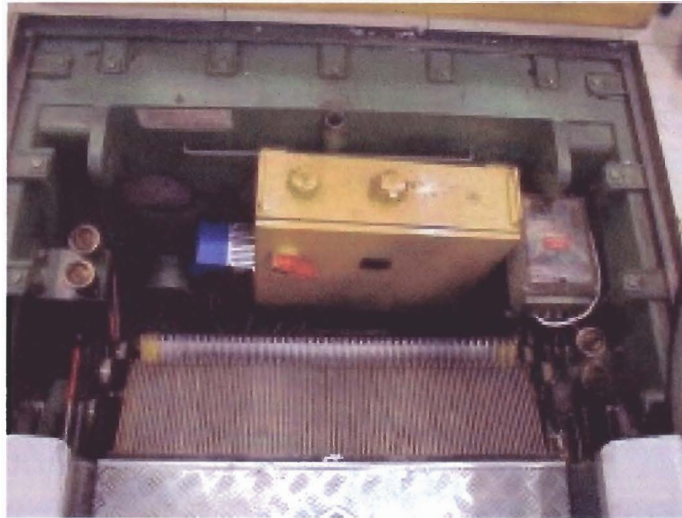


Report of Testing on Escalator EnviroStart Installation at ILAC Centre in Dublin

This document is a summary of the installation and testing that was conducted on behalf of Dunne's Stores Ltd, Eire by ESB, (Electricity Supply Board) who certified the data in their letter of 31st July. (Attached)

The 400-TPMEC-11 was fitted to the escalator at the ILAC centre adjacent to the switch gear housing. It was integrated into the system electrics so that all existing control gear operated as though without the EnviroStart.



The test was conducted over two weekend periods so as to simulate heaviest loading and maximum utility of the system under test.

The results as taken by ESB are as follows:

Dunnes Stores Ilac Centre

19/06/2002

Test measurements on Escalator with EnviroStart Controller on and off.

Total daily power measured in kWhs.

	Control On	Control Off
Wed.	24	29
Thur.	31	38
Fri.	25	31
Sat.	29	32
Sun.	15	20
Mon.	24	29
Total	124	150

**%
saving**

17.3.

This detail is a direct transposition of the ESB Excel spreadsheet compiled on 19.6.2003.

Installer
John Dunn
Econopower Technical Services Ltd
123 Willow Park Road
Glasnevin
Dublin 11
Eire

Payback Assumptions:

Based on the detail logged the mean savings are $\geq 17\%$. Based on given energy costs of £0.0572p/kWh and a running time of 10hrs/day for 360 days/yr with the current price of an EnviroStart 400-TPMEC-11 of £385/unit the payback period calculated will be ≤ 1.38 years. (The cost of the unit in this case included the cost of installation and wiring – standard cost of unit of £300 without installation yields a payback of 1.07 years).

19th June 2002



Michael Dooley
Group Purchasing Manager
Dunnes Stores
67 Upper Stephens Street
Dublin 8.

31st July 2002.

Re: Test Measurements on Escalator in Dunnes Stores, Ilac Centre.

The above electrical measurements were carried out in May/June 2002 by ESB Customer Supply in conjunction with Martin Hollis, EnviroStart.

A saving on the electrical consumption of 17% approx. was achieved with the 'Intelligent power optimiser unit' switched IN.

The measurements were carried out using a 3ph. VIP analyser.

A handwritten signature in blue ink, appearing to read 'Colm McLaughlin', written over a horizontal dashed line.

Colm McLaughlin.
ESB Customer Supply.

Test measurements on Escalator with EnviroStart Controller on and off.

Total daily power measured in kWhs.

	Control On	Control Off
Wed.	24	29
Thur.	31	38
Fri.	25	31
Sat.	29	32
Sun.	15	20
Mon.	24	29
Total	148	179

% saving **17.0**

05/07/2002

Tue	26	31
Wed.	25	30
Thur.	31	38
Fri.	24	30
Sat.	28	31
Sun.	15	19
Mon.	24	30
	173	209

% saving **17.2**