

COST COMPARISON & SAVINGS CALCULATION



TYPICAL WASHROOM

3 STALLS, 2 SINKS, 1 PAPER DISPENSER OR 1 HAND DRYER

Paper towel cost per year = 15 cases X \$47/case = \$705 + 25% handling cost = **\$881**

Number of towels used per year = 15 cases X 3750 sheets/case = **56,250 towels**

Number of hand dryings per year = 56,250 / 2.5 towels per dry = **22,500 hand dryings**



B·L·A·S·T
Power · Design · Innovation

vs. Paper Towels

Capital cost

BLAST hand dryer	\$655
Installation	\$150
Total	\$805

Operating cost per year

Electricity cost per cycle	\$.0004
X hand dryings per year	22,500
Total	\$10

SAVINGS

Paper towel cost	\$881
BLAST operating cost	- \$10
Annual operating savings	\$871

Monthly savings \$73

Payback period = 805/73 = 11 months

**Operating savings over 10-year
hand dryer warranty period \$8,710**



o n e
THE MODULAR DRYER

vs. Paper Towels

Capital cost

ONE hand dryer	\$555
Installation	\$150
Total	\$705

Operating cost per year

Electricity cost per cycle	\$.0013
X hand dryings per year	22,500
Total	\$30

SAVINGS

Paper towel cost	\$881
ONE operating cost	- \$30
Annual operating savings	\$851

Monthly savings \$71

Payback period = 705/71 = 10 months

**Operating savings over 12-year
hand dryer warranty period \$10,212**

Paper towel handling cost based on industry average of 25%. Includes cost of generating requisitions and purchase orders, receiving, storing, servicing dispensers, collecting and disposing of used towels but does not include any incremental costs for plumbing repairs due to blockages caused by paper towels. Hand drying calculations based on industry standard 3750 multi-fold towels per case and average 2.5 towels used per hand drying. BLAST electricity use based on 10-second hand drying cycle and dryer consumption of 1450 watts. ONE electricity use based on 30-second hand drying cycle and dryer consumption of 1450 watts. Electricity costs based on nominal \$0.11/kWh rate.

