



## Body Dryer Reduces Energy Consumption by 70%

The Tornado Body Dryer reduces energy consumption by 70% compared to using a towel.

### Assumptions

- 3 minutes to dry with the Tornado Body Dryer versus
- 5 towels per washer/dryer load
- Towel used 4 times between washings

### Calculations

#### Tornado Body Dryer

- Body Dryer consumes 2.9 Kilowatts per hour (2.9kWh)
- Cost of Kilowatt Hour (kWh) is \$.11 (National Average)
- $\$.11 \times 2.9 = \$.32$  to operate Body Dryer for 1 hour
- $\$.32 / 60 = \$.005$  to operate Body Dryer for 1 minute
- $\$.005 \times 3$  minutes drying time = **\$.015 (That's a penny and a half.)**

#### Towel

- Using the same \$.11/kWh as above, a popular website (Ask Mr. Electricity – aka: [www.michaelbluejay.com](http://www.michaelbluejay.com)) estimates \$.69 to wash and \$.36 to dry a single load (total of \$1.05/load). This includes costs of electricity to operate the washer/dryer, the cost of water, and the cost of electricity to heat the water.
- $\$1.05 / 5 = \$.21$  to wash and dry one towel.
- $\$.21 / 4 = \$.053$  per towel use. That's over a nickel.

**Tornado Body Dryer = \$.015 per use versus Towel = \$.053 per use**

**Note:** The above does not factor in the additional purchase and disposal (environmental) costs of the laundry soap used to wash the towels nor does it account for the time/cost of gathering/loading the towels and folding/storing the towels.