



HAND DRYERS VS PAPER TOWELS

A Greener Alternative: Saves trees, reduces landfill waste & pollution

The production of paper towels is twice as energy-intensive as the use of hand dryers, and it creates more greenhouse gases. Over its lifetime, one hand dryer will produce 1.6 tons of carbon dioxide, versus the 4.6 tons of carbon dioxide that will be produced manufacturing the towels it replaces.

It takes more energy to produce two paper towels than it does to run a typical high-speed hand dryer cycle.

Paper towels can be made from recycled paper, but they can't be recycled themselves, creating millions of cubic feet of waste in landfills.

Producing one ton of recycled paper takes 7,000 gallons of water and 158 million BTUs of energy - and 60 pounds of pollutants will go into the air.

A typical school using 30 hand dryers will save 17 trees worth of paper towels per year.

Saves Cost:

Pinnacle dryers operate only when hands are inside the drying cavity.

Saves Time:

- Custodial services no longer have to order, stock, replace, clean, or dispose of hand towels
- Bathrooms are more sanitary and less cluttered
- Maintenance staff's time is freed from unclogging toilets
- Custodial staff spends less time cleaning the bathrooms

Paper Towel Management Tasks

	Minutes Consumed by Task	Time (Hours)	Frequency	Cost
Ordering the paper towels	15 minutes per month	0.25	10	\$50
Managing the on-site stock in the storage room(s)	15 minutes per month	0.25	10	\$50
Receiving the cartons when they arrive	30 minutes per month	0.50	10	\$100
Transporting paper towels to the storage room	30 minutes per month	0.50	10	\$100
Restocking the towel dispensers	30 minutes per day	0.50	180	\$1,800
Cleaning up the waste towels from the floor	30 minutes per day	0.50	180	\$1,800
Emptying the towel waste bins and replacing trash bags	60 minutes per day	1.00	180	\$3,600
Carting the towel waste to the dumpster	30 minutes per day	0.50	180	\$1,800
Landfill cost per Cubic Yard			240	\$7,200

