

Should we change from paper towels to hand dryers?

Some data you'll need:

780 cases/year

18 rolls/day

260 days of use

\$28.00 per case

4,800 towels per case

Assume \$0.10 per kWh

2 towels used for every hand dry

0.008 hr/hand dry

2.2 KW (used by hand dryer)

\$0.10/kWh

\*assume we will install in-house

\*cost of each dryer is \$480.00

\*1 dryer needed for each pair of sinks together

- 1) How much does Beachwood spend on paper towels each year?
- 2) How much would we spend on operation of hand dryers?
- 3) What is the annual savings?
- 4) How many hand dryers would we need to install at the high school?
- 5) What is the payback (how many years would it take to "payback" the investment on the hand dryers based on the savings)?