

FYI --Thought you might be interested in this report ==FRANK SICCARDI

This is the kind of exercise/ result that is hard to come by because most people are not sufficiently interested or diligent. Wei Xie the Department Head at this Estee Lauder Facility is tenacious --and very interested in getting real results --really dedicated to reducing his companies energy dollar expense, finally getting value for the energy dollar spent, improving the "outside environment " by reducing energy production pollution, and improving the workers comfort--really unique to find !!!!

Positive Air System Preliminary Summary

The Positive Air System was installed in the 100,000 Sqft. distribution area early June and has been operating for more than one month; data has been collected and analyzed and is showing good results for energy cost savings as summarized below.

The system has allowed us to reduce the cooling demand by 47% and our power usage by 30%. We now use 7 roof top units (110 Tons) instead of 12 roof top units (210 Tons). This has resulted to a 39.7% or \$7,758.00¹ reduction in electric cooling cost for the month of June 05' for a total electric bill of \$19,542.49² compared to \$39,857.95³ for June 04'.

With the system operating we are able to maintain a building temperature of 74-75 degrees from floor to ceiling, previous temperatures from floor to ceiling on an average day would range from 71-87 degrees. We now have a uniform temperature from floor to ceiling and a low humidity level allowing us to get a cooling effect from the moving air created by the system. Proving it is possible to maintain an acceptable comfort level for all personnel on all levels of the work area while reducing the tonnage needed for cooling.

NOTE:

¹ This figure is in addition to the saving realized by the lighting and HT power conversion projects.

² The Electric bill for March 05' was \$15,977.48 with cooling off that equals \$3,565.01 to condition this area for the month of June.

³ Part of the reduction of electric bill from last June to this June attributes to T5 lighting upgrade, which reduced the electricity cost by around \$12,000.