

and disposal of carbon filters.

** Calculations were made using Lawerence Berkley National Labs, Fume Hood Calculator: http://fumehoodcalculator.lbl.gov (location: Boston).

*** VAV and Low Flow: Which Strategies Save More? 2007 Labs21 presentation by Victor Neuman.

IS ENERGY RECOVERY ON GENERAL NO LAB EXHAUST AND FUME HOOD **EXHAUST SYSTEMS ?**

YES

REDUCING FUME HOOD **EXHAUST VOLUME IN THIS** LAB IN NOT A PRIORITY

AUTO SASH CLOSERS:

Automatic sash operators will close and open the fume hood sash via occupancy sensor. Combined with VAV or two position mechanical systems that reduce airflow when the sash is closed, significant energy savings can be had.

Mott Manufacturing suggests a 6' hood @ 100 FPM could save \$1,294 annually with a closer and VAV

Auto sash closers will add ~\$2,000 per hood. Fume hoods generally cost \$1,000 per linear foot plus \$1,500 for high performance