

RESEARCH PROPOSAL

September 28, 2006

California Environmental Protection Agency



Air Resources Board

Ventilation and Indoor Air Quality in Small and Medium Commercial Buildings

Phase II Field Study

Contractors:

Debbie Bennett, University of California, Davis &
Michael G. Apte, Lawrence Berkeley National Laboratory

Budget: \$1,059,996

funded by the California Energy Commission

Duration: 27 Months



Phase I

(approved by the Board 4/2006)

Survey program to collect information on:

- 1) Building characteristics – size, occupancy, HVAC type, maintenance, etc.**
- 2) Current practices for HVAC and indoor air quality, and**
- 3) Assist in the selection of facilities for the field study.**

Phase II

Objective: Conduct field study of 40 small and medium commercial buildings to examine:

- operation and maintenance of HVAC and air filtration systems
- indoor air quality
- air exchange rates

Expected Results: Representative database of actual indoor air quality and HVAC characteristics and practices.

RECOMMENDATION

Approve Resolution No. 06-24