

GOAL

Document ventilation system performance over time to establish baseline data for future diagnostic comparison.

APPLICATION - NEW ENGLAND FINANCIAL

New England Financial (NEF) purchased its first AIRxpert monitoring system in August, 1995. As a highly successful financial services firm, NEF understood the value of proactive facility management, and the need for accurate data that would provide feedback on ventilation system performance

BENEFIT

The continuous monitoring data from 36 locations on nine floors plus several air handling units, enabled the facilities engineering group to reduce much of the risk and uncertainty associated with operating a complex ventilation system in an urban setting. A year later, NEF purchased another AIRxpert system to monitor a second facility. Meanwhile, a carbon monoxide (CO) sensor was added to the headquarters system. This allowed verification that no CO was being drawn into occupied areas from the garage below the building. The graphs from 1995 and 2000 clearly show the headquarters facility being consistently ventilated well within the ASHRAE Ventilation Standard.

