

**INTERPRETATION IC 90.1-2013-7 OF
ANSI/ASHRAE/IES STANDARD 90.1-2013
Energy Standard for Buildings Except Low-Rise Residential Buildings**

Date Approved: October 24, 2015

Request from: Gary S. Eodice, Heapy Engineering, 1400 W Dorothy Lane, Dayton, OH 45409.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IES Standard 90.1-2013, Section 6.5.2.1, relating to applicability at minimum outside air damper position

Background: Section 6.5.2.1 states that zone controls shall prevent reheating (a).

By definition (page 15), reheating is raising the temperature of air that has been previously cooled by either mechanical refrigeration or economizer.

It is understood that ASHRAE wants to limit reheat for obvious energy reasons, except for special circumstances or its associated hot water is generated via energy recovery, but it seems that on the coldest days of the year, when an air system is likely not on economizer, that permissible reheat is unlimited.

Interpretation: When the outside air temperature is cold enough such that an air handling unit is at minimum outside air, and thus not on economizer, then Section 6.5.2.1 is not applicable for that period of time, and therefore associated VAV box reheat and heating cfm's can be reset to whatever the engineer of record requires them to be during that period of time.

Question: Is this interpretation correct?

Answer: Yes

Comments: At that time, any energy used by the zone-level heating coil is not "reheat" since the central air-handling unit is in heating mode (not mechanical cooling, which includes economizing.)