

**INTERPRETATION IC 90.1-2010-6 OF
ANSI/ASHRAE/IES STANDARD 90.1-2010
Energy Standard for Buildings Except Low-Rise Residential Buildings**

Date Approved: October 22, 2011

Request from: Richard Pavlak (rpavlak@heapy.com), Heapy Engineering, 1400 W. Dorothy Lane, Dayton, OH 45409.

Reference: This request for interpretation refers to the requirements presented in ANSI/ASHRAE/IES Standard 90.1-2010, Section 6.5.1 Economizers, Exception k.1, relating to datacenters.

Background: Our client is the owner and operator of datacenters that provide services to the Department of Defense (DoD). These facilities provide services essential for national security and defense per item #8 in the *essential facility* definition in Section 3.2 of 90.1-2010.

Interpretation: These datacenters consist of IT data center rooms (with more than 20watts/sf) as defined in 90.1. These data centers qualify for the economizer exemption based on Section 6.5.1 k.1 since they are an essential facility.

Question: Is this interpretation correct?

Answer: Yes.

Comments: Provided that 75% of the design load of dedicated systems for computer rooms serves the spaces classified as an essential facility.