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ENERGY EFFICIENCY CONDITION-BASED MAINTENANCE METHODOLOGY FOR COMPUTER ROOM AIR CONDITIONERS

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A Computer Room Air Conditioner (CRAC) system has been modeled and simulated to set up a Condition-based maintenance strategy oriented on the equipment's energy efficiency performance (MCEE). The modeling was performed using ASPEN HYSYS based on actual performance conditions of a CRAC system in the Caribbean Colombia area. The condition-based was simulated based on a fouling