

NERSC-10 RFP TRD Clarification

Facility and Site Integration Specifications Clarification #01

Overview

This document contains correction and additional clarification for two clauses in the following portions of the NERSC-10 RFP Technical Requirements Document:

Deletion in Section C.6

Modify the last bullet of the section:

- Peak equipment power in a single rack must not exceed 40 kW.

Correction and Additions for Section C.7

The requirement for air-cooled rack thermal loading contained a reference error. It is corrected in the first bullet below. In addition, two omissions were identified and should be included (2nd and 3rd bullets):

- Conventional air-cooled equipment must be compatible with a supply air meeting ASHRAE A2 ranges, Table 2.1 of the ASHRAE *Thermal Guidelines for Data Processing Environments, Fifth Edition*. [TR-1] Ability to operate at ASHRAE A3 levels is strongly preferred.
- The peak thermal heat load transferred to the computer room air from the system, including all rack types and radiant losses, shall not exceed 1.2 MW.
- Auxiliary racks with sustained operational power above 20 kW may require additional liquid cooling methods.