



2 CROMWELL IRVINE, CA 92618 • PHONE (949) 460-0460 • FAX (949) 460-8833  
LICENSE #611215 (B, C-4, C7, C10, C20, C36, C38, C46)

Leslie Barnes  
Pasadena Unified School District  
351 S Hudson Ave  
Pasadena, CA 91109

**April 12, 2021**

**RE: BLAIR MIDDLE SCHOOL VENTILATION ASSESSMENTS**

EMCOR Services Mesa Energy Systems, and our team of experts (engineers, technicians, directors, managers and other building systems professionals) have provided assessment and improvement services in order to verify and improve HVAC systems, which includes ventilation systems, as part of PUSD's preparation for safe reopening of schools next week.

**Results**

The overall result was that systems are in acceptable order for reopening next week, under reduced occupancy. For reduced occupancy and this first phase of reopening, is recommended that, as long as temperatures remain comfortable and as long as there are no security concerns, that the windows may be opened to increase or supplement the amount of ventilation air to each space.

In preparation for the next phase, we have recommendations for repairs that are required to reach higher levels of ventilation required for full occupancy (planned for Fall). PUSD and EMCOR will work to ensure that repairs are made, and outside air requirements reached and verified as spaces are more and more occupied to full capacity.

The detailed results for **Blair Middle School** are as follows:

Air Quality: **27 classrooms and offices** assessed on **April 17, 2021**.

- Findings:
  - Number of classrooms/areas that passed: **27**
    - A majority of the outside air dampers were manually opened to 50% in order to achieve the necessary outside air requirements. Some repairs and further investigation will need to take place prior to full occupancy next fall. We will discuss these options with the District.

Thank You,  
Jason Rivadeneyra, General Foreman  
EMCOR Services Mesa Energy Systems Team

