

HVAC and AIR FILTRATION Implementation Report

Board of Trustees

January 21, 2021

Introduction

Overview of Tonight's Presentation

- What led to the HVAC/Air filtration Study and Report
- Overview of the HVAC/Air filtration direction in the Immediate Priorities in the SMFCSD Master Plan for the New Decade
- Presentation by Aedis Architects about its study, recommendations and projected costs
- Recommended next steps from the District's administration

Concerns that led to the priority for HVAC/Air Filtration

- Previous decade: beginning of concern about climate change and resulting increasing temperatures
- 2017 onward: impact of increasing numbers of wildfires and the need to protect classrooms from smoke
- 2020: impact of the pandemic and other future viruses on the need for improved air and air filtration

THE FACILITIES MASTER PLAN FOR THE NEW DECADE

- Included in the Immediate Priorities of the FMP are:
 - Add air conditioning with air filtration (new HVAC units) where there is none
 - Replace/upgrade existing HVAC units at schools with 6th-8th grades and all pod schools (e.g. Audubon and San Mateo Park)
 - Add/improve air filtration on existing HVAC systems
 - Upgrade electric systems to support HVAC and other projects at schools where needed

SMFCSD Administration's Recommendations regarding Next Steps

- Move forward with the Aedis Recommendations re:
 - Replacing equipment in current locations with like locations (in classroom and roof top)
 - Implementing all-electric standard for new units
 - Upgrading air filtration (e.g. MERV 13)
 - Upgrading electrical system where identified
- Develop implementation plan for next steps for items such as PG&E connections, project delivery, groupings, sequencing, etc. for Board review/direction
- Any other direction that the Board of Trustees provides