

# Facilities Update

## Hillsborough City School District

*November 9, 2021*

Presented By:

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# Agenda

- ▶ AB 841 – Classroom Ventilation Project Update
  - ❖ Informational Only
- ▶ Cooling Pilot Project Updates
  - ❖ Informational Only
- ▶ Remaining Measure B Bond Projects and Recommendations
  - ❖ **ACTION item: *It is recommended the Board approve the final Measure B Bond Projects.***

# AB 841–Classroom Ventilation Project

## Project Status Update

- ▶ District completed all repairs.
- ▶ *Service Unlimited* completed all repairs.
- ▶ *Eichler* is finalizing their final report.
- ▶ All classrooms have been upgraded to meet or exceed current code ventilation requirements for the occupant loads.
- ▶ California Schools Healthy Air, Plumbing and Energy (CalSHAPE) Ventilation Program funding applications are currently only available for disadvantaged School Districts.

# Cooling Pilot Project

## Original Pilot Project Fall of 2019

- ▶ BAF Fans installed in 4 classrooms on all campuses.
- ▶ Installation of fans varied in size, features, and quantities.
- ▶ Evaluation of effectiveness affected by COVID
  - Initial responses all favorable.

# Cooling Pilot Project

## Second Pilot Project Fall of 2021

- ▶ BAF released new UV-C fan option that cleans the air using ultraviolet light technology.
- ▶ BAF UV-C Fans installed in 4 classrooms on all campuses.
- ▶ Installed fans were standardized to have two per classroom to increase effectiveness of the UV-C.

# Cooling Pilot Project

## Evaluation of Effectiveness of Fans

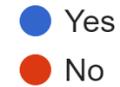
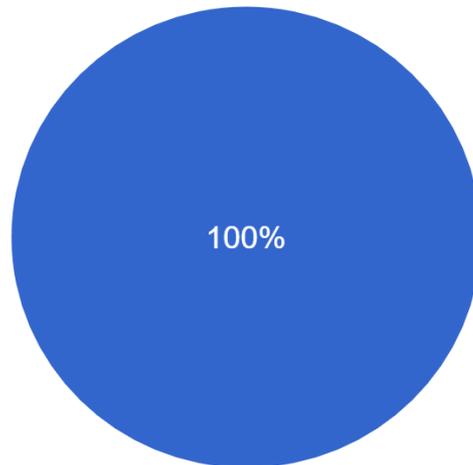
- ▶ Rubrics and Questionnaires issued to teachers.
- ▶ Results that follow combine Phases 1 and 2.

# Cooling Pilot Project

## Survey Results

The fan(s) are placed in the correct location

27 responses

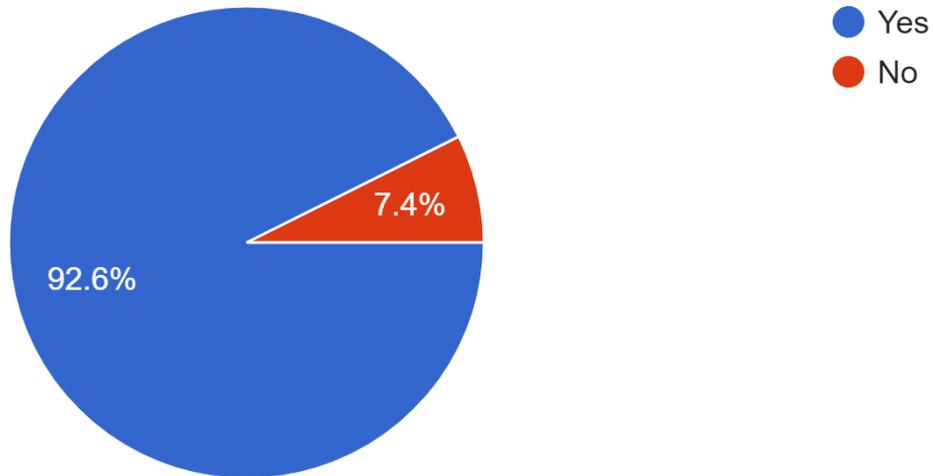


# Cooling Pilot Project

## Survey Results

When the fan(s) are on, they are effective throughout the classroom

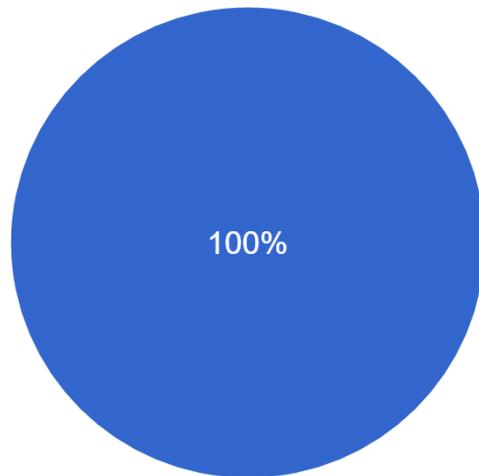
27 responses



# Cooling Pilot Project

## Survey Results

The fan(s) are easy to use  
27 responses

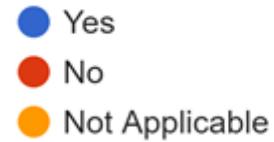
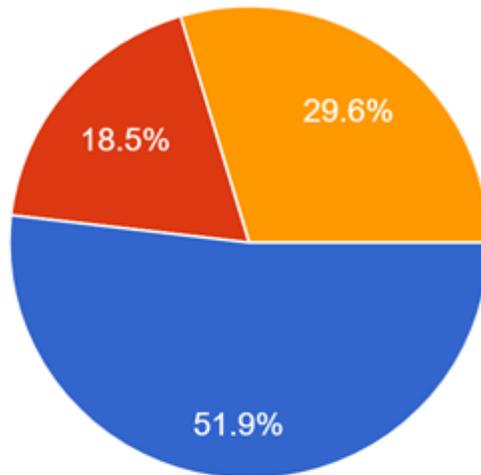


● Yes  
● No

# Cooling Pilot Project

## Survey Results

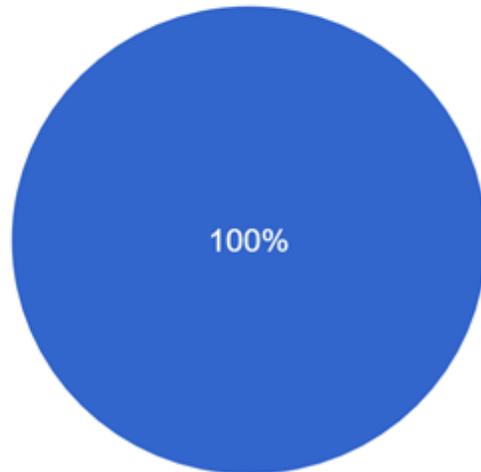
The light on the fan(s) provides additional benefit.  
27 responses



# Cooling Pilot Project

## Survey Results

The fan(s) will improve the students' learning environment  
27 responses

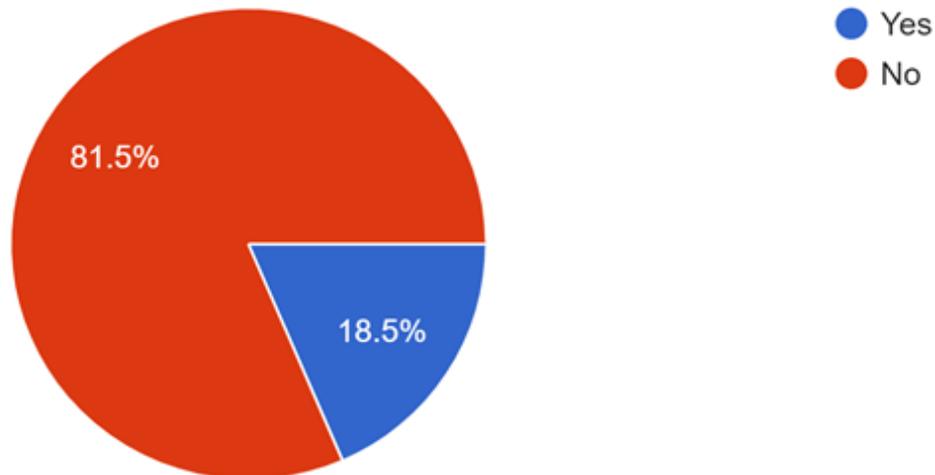


● Yes  
● No

# Cooling Pilot Project

## Survey Results

The fan(s) might distract from the students' learning environment.  
27 responses

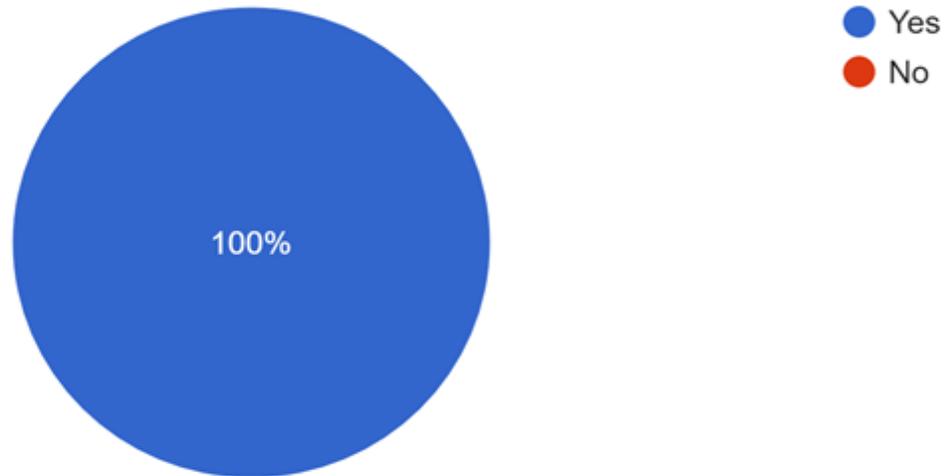


# Cooling Pilot Project

## Survey Results

The fan(s) have improved the overall ventilation in the classroom.

27 responses



# Cooling Pilot Project

## Summary of Fan Survey Results

- ▶ Effective throughout the classrooms
- ▶ Effective in increasing air circulation
- ▶ Improve the student learning environment
- ▶ Does not distract students
- ▶ Easy to use

# Cooling Pilot Project

## Classrooms without Ceiling Fans and AC

- ▶ Crocker: 15 Classrooms
- ▶ North: 12 Classrooms
- ▶ South: 5 Classrooms
- ▶ West: 12 Classrooms

**Total = 44 Classrooms**

# Cooling Pilot Project

## Proposed Ceiling Fan Budget:

|  |                   |
|--|-------------------|
| <b>Purchase Fans for 44 Classrooms</b> | <b>\$ 185,000</b> |
| <b>Contractor Installation</b>         | <b>\$ 70,000</b>  |
| <b>Management Fee</b>                  | <b>\$ 8,000</b>   |
| <b>5% Contingency</b>                  | <b>\$ 13,000</b>  |
| <b>Total</b>                           | <b>\$ 276,000</b> |

# Remaining Measure B Bond Funds

|                                       |                   |
|---------------------------------------|-------------------|
| <b>Remaining Measure B Bond Funds</b> | <b>\$ 316,000</b> |
| <b>Classroom Fan Budget</b>           | <b>\$ 276,000</b> |
| <b>Remaining Budget</b>               | <b>\$ 40,000</b>  |

# Final Measure B Bond Projects

## List of Recommended Projects:

- ▶ Install (2) BAF fans with UV-C in all remaining classrooms that do not have AC (\$276k)
- ▶ Install (2) large BAF fans Library at West and (2) large fans at Media Center at South (\$24k)
- ▶ Install BAF ceiling fans in school offices at (1) Crocker, (2) North, (2) South (\$16k)
- ▶ **ACTION item: *It is recommended the Board approve the final Measure B Bond Projects.***

# Cooling Pilot Project

## Next Steps

- ▶ Board to authorize expenditures
- ▶ Order Fans
- ▶ Contract with Installer
- ▶ Coordinate procurement and installation schedule

