

EXHIBIT Z

**WASHINGTON UNIFIED
SCHOOL DISTRICT**

FORM 1-SUPPLEMENTAL ENVIRONMENTAL PROJECT PROPOSAL FORM


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SUPPLEMENTAL ENVIRONMENTAL PROJECT PROPOSAL FORM

Project Name: Saving the Lives of West Fresno Middle School Students using Air Filtration		
Organization Name: Washington Unified School District		
Contact Name: Keith Loewen		
Mailing Address: 7950 S. Elm Avenue		
City: Fresno	State: CA	Zip Code: 93706
Street Address (if different from above):		
City:	State:	Zip Code:
Telephone Number: (559) 495-5600		
Fax Number: (559) 495-5659		
Company Email Address: finance@wusd.ws		

SIGNATURE

☒ I declare that I have examined this statement, and to the best of my knowledge and belief, it is true, correct, and complete.

SEP Submitter Name: Randy Morris	Title: Superintendent
Signature of Submitter: 	Date of Signature: 10-26-2020

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ORGANIZATION DESCRIPTION

<input type="checkbox"/> nonprofit 501(C)(3)
<input type="checkbox"/> government
<input checked="" type="checkbox"/> local agency Washington Unified School District
<input type="checkbox"/> tribal government
<input type="checkbox"/> business
<input type="checkbox"/> other (if other, please explain):

Provide a brief history of the organization (mission, vision, and goals):

Mission Statement: The mission of the Washington Unified School District is to provide all students with an educationally advantaged future by developing personal growth through a rigorous curriculum, relevant instruction, and positive relationships in a culturally diverse environment.

Vision Statement: Washington Unified School District will be a district of academic excellence provided through supportive leadership, systems, and culture to ensure that all students graduate college and/or career ready.

District Goals: 1) 100 percent student attendance, 2) Effective instruction and intervention evidenced by academic achievement, 3) Safe and healthy environment, 4) Parent and community involvement, 5) 100 percent college and/or career ready

Core Values: 1) Student success comes first, 2) Families and community are our partners, 3) Diversity is our strength, 4) Positive change is essential, 5) Our historical heritage is valuable

ORGANIZATION EXPERIENCE

Provide information on the organization's ability and capacity to complete the proposed project. Describe previous project management experience, including a list of completed projects/dates and who funded the project:

In addition to our current maintenance and business staff, we will have our architects and contractors, to be determined. We also have the assistance of Chris Ruch from the National Energy Management Institute. At Chris' suggestion, we will be hiring a Certified HVAC Testing, Adjusting and Balancing Bureau (TABB) contractor that is certified according to the American National Standards Institute (ANSI) standards using the American Society of Heating, Refrigerating and Air-Conditional Engineers (ASHRAE) approved guidelines for testing. This is expected to prevent the type of results found in a 2020 US David/Lawrence Berkeley National Laboratory study that "found over half of new HVAC systems in schools had significant problems within three years of installation and that vast majority of classrooms in California continue to fail to meet minimum ventilation rates" (Refer to Appendix 2) and "85% of replacement HVAC systems that they evaluated were not performing correctly due to poor quality installation" (Refer to Appendix 2). Successfully completed projects include our sports complex with a football stadium, baseball field and softball field funded by District Bonds and State Office of Public School Construction grant in 2019 and our modernization of our Washington Union High School funded by District Bonds and State Office of Public School Construction grant in 2018.

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PROJECT INFORMATION

Project Name:

Saving the Lives of West Fresno Middle School Students by improving indoor air quality (HVAC units replacement)

Organization Name:

Washington Unified School District

Project Location(s): Provide the address or GPS coordinates of where the proposed project will take place:

2888 S Ivy Street, Fresno, CA 93706

36.696717, -119.794131

ENVIRONMENTAL ISSUE TO BE ADDRESSED

☐ Air Monitoring

☒ Indoor Air Filtration

Currently, the air filtration in our HVAC units is well below the ARB standards without any way to increase it without new HVAC units.

☒ Human Health and Asthma Outreach

With major assistance from the Central California Asthma Collaborative, we plan to explain to parents the benefits of the new HVAC units.

☐ Green Projects

☐ Community Engagement and education

☐ Other (if other, please explain):

PROJECT DESCRIPTION

Provide a scope of work for the project and explain how the proposed project will benefit air quality. If applicable, explain how the project benefits disadvantaged communities:

We are planning to remove old HVAC units and replace with new HVAC units in every classroom for a total of 35 units. Current systems are primarily over 30 years old and new units will provide better performance of air filtration. In the 2018 CalEnviroScreen 3.0, the census tract that includes this school was rated the #8 worst/most polluted census tract in California and it is located literally across the street from the #1 worst/most polluted census tract in California (Refer to Appendix 4). With the new HVAC units, the air that these students will be breathing will be significantly lower than the PM2.5, currently over 15, in the classrooms. As you may know, every point over 10 increases the mortality by 8% and the life expectancy of these student is currently 69 years (Refer to Appendix 6). Also every 20% increase in the PM2.5 count doubles their likelihood of catching COVID-19 and three times more likely to die from the COVID-19 (Refer to Appendix 5). "In early August [2020], a prominent aerosol specialist at the University Colorado-Boulder, looked at the research and estimated that aerosols make up about 75% of [COVID-19] transmissions" (Refer to Appendix 3). Our current HVAC units are unable to filter out the aerosols at all but new units will be able to filter them from the outside air and from recirculating classroom air. In addition, the new units will be able to reduce the PM2.5 (and other sources of pollution) to about 1/3 of their current levels. Through the AB 617 South Central Fresno Community Committee, once we have new HVAC units we can participate in their air quality program that provides MERV-14+ air filters for schools. The free-reduced meal percentage at this school is 90.39% with about 75% of those families receiving direct assistance from the State.

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PROJECT TIMELINE

Provide a timeline for project implementation. Provide a breakdown of the major milestones required to implement the project, including completion dates:

- * Month 1 - Hiring the TABB Certified Engineer to advise and inspect all aspects of this installation.
- * Month 1-4 - The bidding process: creating the bid documents; advertising; receiving and rating the bids; receiving all required documents; Board and county approval of the bid; and awarding the bid.
- * Month 4-8 - The actual installation of the HVAC units is very much subject to COVID-19 which affects the manufacturing, the transportation and the installation of the HVAC units. We are estimating that it will take 7 days to clean all air ducts and between 30 and 90 days to receive most/all of the HVAC units. The installation and testing of 5 units per day will take 7-13 days. With overlapping days, this should take a total of 60-105 days.
- * Month 9 - Testing, reinspection and balancing for one month after installation is complete. Delivery of Health and Asthma information will take place after children are back in school, after the SEP Grant has been awarded, and before the installation of the HVAC units is completed.

Total Estimated Cost:

Cost of TABB Engineer - \$250 per hour x 600 hours = \$150,000
Cost of the HVAC units - \$9,700 average x 33-35 units = 339,500
Cost of the Installation Labor = \$128,960
Cost of Electrical, Gas, Roofing, Transportation, etc. = \$80,000
Cost of Creating and Circulation of Health & Asthma Outreach = \$30,000
Total Estimated Costs = \$728,460

SELECT THE BENEFIT THAT BEST APPLIES TO THE PROPOSED PROJECT

☒ Reduction of exposure to air pollution

All air coming into the classrooms would be filtered by a MERV-14 filter which will eliminate virtually all PM2.5 particles.

☒ Emissions reductions

Exhaust from these 30 year old HVAC units (PM2.5 particles circulated) plus energy efficiency will result in less pollution.

☐ Air quality violations preventions

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ENVIRONMENTAL BENEFITS

Describe the specific benefits/drawbacks to the environment and/or the community:

The main benefit will be a drastic reduction of PM2.5 particles being inhaled for 5-6 hours per day resulting in less lung damage from pollution, less asthma, less heart disease, more resistance to viruses, better repair of human cells, healthier citizens, on average a much longer life and a reduction in health care costs for a generation of students. Also this would provide a substantial reduction of harmful gases, including aerosolize COVID-19, in all classrooms. This project aims to improve the indoor classroom environment for students, teachers and staff through the provision of cleaner air. We do not expect any environmental drawbacks.

Emission Benefits: For projects with a direct emissions benefit, please provide an analysis of the emissions prevention or reduction that result from the proposed SEP, and specify the pollutants addressed by the project.

There are two indirect emission benefits. First, the PM2.5 particles that are taken permanently out of the air both within and outside of the classroom. Second, new HVAC units will use approximately 1/3 less energy which will result in less electricity required to be generated (Refer to Appendix 1). The District hopes to use decreased utility bills to invest in additional facility improvements to deepen the project's impact including indoor air quality benefits and reduce the harmful environmental impact on these students.

ITEMIZED BUDGET

Provide a detailed list of expected project expenses; include all items to complete the project and the funding needed for each item. Cost breakdown should include capital, operational, and administrative costs (You may attach documents relating to the project to provide additional information (e.g. project timeline, itemized budget):

CAPITAL

Cost of the HVAC units - \$9,700 average x 33-35 units = 339,500

Cost of the Installation Labor = \$128,960

OPERATIONAL

Cost of TABB Engineer - \$250 per hour x 600 hours = \$150,000

Cost of Electrical, Gas, Roofing, Transportation, etc. = \$80,000

ADMINISTRATIVE

Cost of Creating and Circulation of Health & Asthma Outreach = \$30,000

Total Estimated Costs = \$728,460

(For amendments to projects in implementation phase, include up-to-date project costs to justify funding amounts.)

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INSTRUCTIONS FOR COMPLETING THIS FORM

Use this form to submit detailed supplemental environmental project (SEP) proposals. Complete this SEP proposal form cover page, and attach the supplementary proposal documents as requested below. Questions may be directed to SEP@arb.ca.gov.

Project proposal submissions shall be directed to either SEP@arb.ca.gov or mailed to:

Air Resources Board
Enforcement Division
ATTN: SEP Program
P.O. Box 2815
Sacramento, CA 95812-2815

PRIVACY STATEMENT

Please note that under the California Public Records Act (Gov. Code, § 6250 et seq.), your submissions, including associated contact information (e.g., your address, phone, email, etc.) become public records and may be released to the public upon request. Personal information will be protected from disclosure as required by law, including under the Information Protection Act (Cal. Civ. Code, § 1798, et seq.). Information that is claimed to be confidential should be submitted as provided in CARB's regulations for submitting confidential data, California Code of Regulations, title 17, section 91011.

Estimated Cost of Replacing the HVAC units at West Fresno Middle School

HVAC units to be installed	35
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Cost of HVAC Unit incl tax & delivery each	9,700
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Total	339,500
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Labor - Crews of 3 working 8 hours per unit at \$75 per hour

63,000

Cost of Crane and Operator	12,000
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Inspector	19,200
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Roofers	34,760
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<u>128,960</u>

TABB Engineer/Inspector Hourly Rate \$400

Review of Construction Contract	4,000
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Review Experience of Installers	2,000
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Oversight/Inspection of Installation	42,000
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Balancing of HVAC Unit	84,000
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Paperwork, Reports, Testing	8,000
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Contingency	10,000
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Total TABB Contractor	<u>150,000</u>
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Other:

Electrical & Gas Supplies & Equipment	7,000
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Roofing Supplies	45,000
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Transportation	3,000
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Other	25,000
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Total Other	<u>80,000</u>
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Creating & Circulating Health and Asthma Outreach	30,000
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Total Budget	728,460
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