

LAW OFFICES OF ARTHUR M. PALKOWITZ

**12807 Calle de la Siena
San Diego, CA 92130
law@artpalk.onmicrosoft.com
Phone: 858.259.1055**



March 13, 2024

Heather Halsey
Executive Director
Commission on State Mandates
980 Ninth Street, Suite 300
Sacramento, CA 95814

Re: *Rebuttal Comments to Test Claim 23-TC-01, Heating, Ventilation, and Air Conditioning (HVAC) Program*

Dear Ms. Halsey:

Hesperia Union School District (“Claimant”) has reviewed the Department of Finance (“Finance”) comments dated February 7, 2024, received on February 15, 2024, in response to the Test Claim 23-TC-01, submitted to the Commission on State Mandates (Commission). Claimant provides the following rebuttal comments.

A. Introduction

Test Claim 23-TC-01, Heating, Ventilation, and Air Conditioning (HVAC) Program addresses Education Code Section 17660 and 17661 requiring schools in the State to ensure that facilities have heating, ventilation, and air conditioning (HVAC) systems that meet specified minimum ventilation rate requirements, unless the existing HVAC system is not capable of safely and efficiently providing the minimum ventilation rate, requiring a public school to ensure its HVAC system meets the minimum ventilation rates.

Assembly Bill 2232 also requires public schools to install filtration that achieves specified minimum efficiency reporting values (MERV) levels, determined by the school to be feasible with the existing HVAC system, as provided. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Sections 1, 2, Education Code Sections 17660, 17661, Enacted on September 29, 2022, Effective Date: January 1, 2023.)

Education Code Section 17661 states a school *shall* ensure that facilities, including, but not limited to, classrooms for students, have HVAC systems that meet the minimum ventilation rate requirements set forth in Table 120.1-A (“HVAC”) of Part 6 of Title 24 of the California Code of Regulations, unless the existing HVAC system is not capable of safely and efficiently providing the minimum ventilation rate. (emphasis added.) If a school’s existing HVAC system is not capable of safely and efficiently providing the minimum ventilation rate required pursuant to paragraph (1), then a school *shall* ensure that its HVAC system meets the minimum ventilation rates in effect at the time the building permit for installation of that HVAC system was issued. (emphasis added.)

The new activities required by Education Code section 17661 as added by Statutes 2021, Chapter 144, are mandated by the State on school districts. To be reimbursable under article XIII B, section 6 of the California Constitution, the new requirements imposed by Education Code section 51225.7(b), (d), and (e)(1), must be mandated by the state; or ordered, commanded, or legally compelled by state law. (*San Diego Unified School Dist. v. Commission on State Mandates* (2004) 33 Cal.4th 859, 874; *Department of Finance v. Commission on State Mandates (Kern High School Dist.)* (2003) 30 Cal.4th 727, 741.) Education Code section 75 provides that shall is mandatory and may is permissive.

The California Supreme Court defined legal compulsion as follows: Legal compulsion occurs when a statute or executive action uses mandatory language that require[s]’ or ‘command[s]’ a local entity to participate in a program or service. Legal compulsion is present when the local entity has a mandatory, legally enforceable duty to obey. (*Coast Community College Dist. v. Commission on State Mandates* (2022) 13 Cal.5th 800, 815; (*San Diego Unified School Dist. v. Commission on State Mandates* (2004) 33 Cal.4th 859, 874.) Here, the plain language of Education Code section 17661 states school districts “shall” perform the activities of confirming HVAC systems meet the minimum ventilation rate requirements. To meet the ventilation rate requirements require public schools to install filtration that achieves specified minimum efficiency reporting values (MERV) levels.

Claimant’s Rebuttal Comments:

1. The District provided documented evidence with the filing of the test claim supporting the labor hours needed to replace the MERV 13 filter. (HVAC 013- HVAC 025; HVAC 054.) . The Claimant first incurred increased costs for the labor to replace and install the MERV 13 air filters. For the period January 1, 2023, to June 30, 2023, the Claimant's actual increased cost of the labor to replace and install the MERV 13 air filters were \$27,443.12.

For the period July 1, 2023, to June 30, 2024, the Claimant's increased estimated cost of the labor to replace and install the MERV 13 air filters were \$81,669.06. The Claimant hired two employees to perform the replacing and installing of the MERV 13 air filters every six months for the HVAC rooftop units and every three months for the portable (wall) HVAC units.

2. Documentation submitted (HVAC 105-HVAC 106) includes the following information:

The District has twenty-two (22) school sites with eight hundred thirty (830) HVAC rooftop units and six hundred fifteen (614) HVAC wall (portable) units.

3. Documentation attached (HVAC 107-HVAC 155) includes the following information:

Work Orders (Duty Statements) for the employees positions performing installing and replacing the MERV 13 filters.

4. Documentation attached (HVAC 156-HVAC 162) includes the following information:

Claimant’s Ventilation Maintenance Policy and Procedure and checklist for Indoor Air Quality. Code of California Regulations Title 24, Part 6, Section 120.1, Building Energy Efficient Standards. (HVAC 163-HVAC 174)

5. The good repair, working order, and condition requirements of the Leroy F. Greene School Facilities Act of 1998 or its predecessor program, the State School Building Lease-Purchase Law of 1976 does not include Assembly Bill 2232 requiring public schools to install filtration that achieves specified minimum efficiency reporting values (MERV) levels, determined by the school to be feasible with the existing HVAC system. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Sections 1, 2, Education Code Sections 17660, 17661, Enacted on September 29, 2022, Effective Date: January 1, 2023)

6. Claimant withdraws request for reimbursement for the following activities:

(i) Developing and implementation of internal policies, training, procedures relating to the purchase, installation, stocking of menstrual products.

(ii) Train certificated, classified and other personnel to administer the availability of menstrual products in the district’s restrooms.

Finance fails to provide any evidence supporting their “concerns with the costs identified.” The costs submitted by the claimant meet the threshold to approve the test claim. Other issues of costs may be addressed during the parameters and guidelines process.

Finance’s Comments Fail To Comply With Statutory Requirements.

Oral or written representations of fact offered by any person *shall* be under oath or affirmation and signed under penalty of perjury by persons who are authorized and competent to do so and must be based on the declarant’s personal knowledge, information, or belief. (Cal.

Code. Regs., tit. 2 §§ 1183.2 and 1187.5.) (emphasis added.) If representations of fact are made, they *must* be supported with documentary evidence filed with the comments on the test claim. (Cal. Code. Regs., tit. 2 §§ 1183.2 and 1187.5.) (emphasis added.)

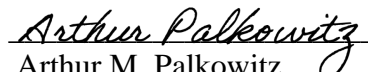
Finance comments fail to include the required oath and affirmation. Nor were the comments supported with documentary evidence. Accordingly, Commission shall disregard comments submitted by Finance.

Claimant submits the attached declaration in support of their test claim.

Certification

I certify by my signature below, under penalty of perjury under the laws of the State of California, that the statements made in this document are true and complete to the best of my own personal knowledge or based on information and belief and that I am authorized and competent to do so.

March 13, 2024


Arthur M. Palkowitz
Representative for the Claimant

Test Claim: Heating, Ventilation, and Air Conditioning (HVAC)

Claimant: Hesperia Unified School District

**Section: 6 Declaration- Dr. George Landon, Deputy Superintendent, Business Service,
Hesperia Unified School District**

SECTION NUMBER: 6
Heading: DECLARATION

I, Dr. George Landon, Deputy Superintendent, Business Service, Hesperia Unified School District (Claimant) declare as follows:

1. I am currently employed with the Claimant, and I have been employed with the Claimant since July 1, 2016.

2. I have personal knowledge of the actual and estimated costs incurred by the Claimant for the School Facilities: Heating, Ventilation, and Air Conditioning (“HVAC”) Systems commencing on January 1, 2023. The information contained in my declaration is from preparing and reviewing Claimant’s business records, my personal knowledge and my information or belief pertaining to the Claimant’s HVAC Systems.

3. The new requirements included in test claim statute Assembly Bill No. 2232, Statutes 2022, Chapter 777, Sections 1, 2, Education Code Sections 17660, 17661, Enacted on September 29, 2022, Effective January 1, 2023, include the activities of purchasing and installing MERV 13 air filters in the Claimant’s facilities HVAC Systems.

4. The procedure for receiving and installing the MERV 13 air filters is as follows. MERV 13 air filters are delivered to different staging areas. They are delivered by the vendor and unloaded by our staff. The process was very easy with the previous MERV 9 1” air filters. The MERV 13 filters are 2” requiring more storage space. The filters are loaded and transported to the school facility site that may require multiple trips and additional labor hours.

5. The Claimant averages about six months per MERV 13 air filter on roof units, Additional maintenance is required to clean the indoor coil where the air filters are located because MERV 13 are box filters with gaps on the indoor coil. These gaps collect dirt and lint. The previous filters were lay in filters and covered the entire coil. The process to clean the coils more frequently involves hosing the indoor coils down, clearing the drains. The process takes about a half hour per unit plus staging and breakdown. The portable (wall) unit filters are replaced every three months since they are closer to the ground.

Test Claim: Heating, Ventilation, and Air Conditioning (HVAC)

Claimant: Hesperia Unified School District

**Section: 6 Declaration- Dr. George Landon, Deputy Superintendent, Business Service,
Hesperia Unified School District**

6. Every school site has roof top units. Claimant uses a rope to lift the roof top units on to the roof. The filter changers use cordless drill motors and hand tools to remove and replace the filters. The coils are covered with the new box filters that takes additional time and multiple trips. There is triple the number of boxes because of the larger filters. The units are closed and the old filters are disposed of. There is a significant increase in labor due to the additional work involved in maintaining the units.

7. I have submitted documentation (HVAC 105-HVAC 106) stating the following: List of District Schools (22); Total Units (830); Total Roof Tops Replaced (815); Total Roof Tops Not Replaced (15); Total Wall Mounts (614); Total Wall Units Replaced (517); Total Roof Tops Not Replaced (97).

8. The Claimant first incurred increased costs for the labor to replace and install the MERV 13 air filters and the purchase of the MERV 13 air filters on January 1, 2023. For the period **January 1, 2023, to June 30, 2023**, the Claimant's actual increased cost of the labor to replace and install the MERV 13 air filters were **\$27,443.12**. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Section 2, Education Code Section 17661(c)(1)).

9. For the period **January 1, 2023, to June 30, 2023**, the Claimant's actual increased cost for purchasing the MERV 13 air filters were **\$66,236.22**. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Section 2, Education Code Section 17661(c)(1)).

10. For the period **July 1, 2023, to June 30, 2024**, the Claimant's increased estimated cost of the labor to replace and install the MERV 13 air filters is **\$81,669.06**. The Claimant hired two employees to perform the replacing and installing of the MERV 13 air filters every three months. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Section 2, Education Code Section 17661(c)(1)).

11. For the period **July 1, 2023, to June 30, 2024**, the Claimant's increased estimated cost for purchasing the MERV 13 air filters is **\$100,119.04**. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Section 2, Education Code Section 17661(c)(1)).

I previously submitted documents in support of the Claimant's increased actual costs incurred from January 1, 2023, to June 30, 2023, and for Fiscal Year 2023-2024 the increased estimated costs for purchasing the MERV 13 air filters, the hiring of two employees to perform the replacing and installing of the MERV 13, air filter invoices and air filter data sheets. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Section 2, Education Code Section 17661(c)(1)).

Test Claim: Heating, Ventilation, and Air Conditioning (HVAC)

Claimant: Hesperia Unified School District

**Section: 6 Declaration- Dr. George Landon, Deputy Superintendent, Business Service,
Hesperia Unified School District**

12. For the fiscal year period **July 1, 2024, to June 30, 2025**, the Claimant's estimated cost of the labor to replace and install the MERV 13 air filters is **\$120,624.56**. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Section 2, Education Code Section 17661(c)(1)).

13. For the fiscal year period **July 1, 2024, to June 30, 2025**, the Claimant's estimated cost for purchasing the MERV 13 air filters is **\$151,920.32**. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Section 2, Education Code Section 17661(c)(1)).

I previously submitted documents in support of the Claimant's estimated costs for labor to replace and install the MERV 13 air filters and for the purchasing of the MERV 13 air filters in Fiscal Year 2024-2025, the fiscal year immediately following the fiscal year for which the claim was filed. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Section 2, Education Code Section 17661(c)(1)).

14. The Claimant's General funds are the funding sources for the purchasing of the MERV 13 air filter costs and the labor of replacing and installing the MERV 13 air filters from January 1, 2023, to June 30, 2023, and in Fiscal Years 2023-2024 and 2024-2025.

15. I have submitted Documentation (HVAC 107-HVAC 155) that includes the following information: Work Order (Duty Statements) for the work performed by Claimant's employees for installing and replacing the MERV 13 filters twice a year for the rooftop HVA units and four times a year for the HVAC portable units.

16. I have submitted Documentation that includes the following information:

Claimant's Ventilation Maintenance Policy and Procedure and checklist for Indoor Air Quality. (HVAC 156-HVAC 162) . CALIFORNIA CODE OF REGULATIONS / BUILDING ENERGY EFFICIENCY STANDARDS-TITLE 24, PART 6 / SUBCHAPTER 3 SECTION 120.1 (HVAC 163-HVAC 174)

17. The good repair, working order, and condition requirements of the Leroy F. Greene School Facilities Act of 1998 or its predecessor program, the State School Building Lease-Purchase Law of 1976 does not include Assembly Bill 2232 requiring public schools to install filtration that achieves specified minimum efficiency reporting values (MERV) levels, determined by the school to be feasible with the existing HVAC system. (Assembly Bill No. 2232, Statutes 2022, Chapter 777, Sections 1, 2, Education Code Sections 17660, 17661, Enacted on September 29, 2022, Effective Date: January 1, 2023)

Test Claim: Heating, Ventilation, and Air Conditioning (HVAC)

Claimant: Hesperia Unified School District

Section: 6 Declaration- Dr. George Landon, Deputy Superintendent, Business Service,
Hesperia Unified School District

18. The Claimant received Elementary and Secondary School Emergency Relief (ESSER) II funds in the amount of \$26,295,815. These funds were distributed from June 2021 to August 2023 towards the Districtwide HVAC project to remove and replace HVAC systems at elementary, middle, and high schools. Prior to January 1, 2023, ESSER funds were used to purchase MERV 13 filters in the initial implementation of the new HVAC systems.


19. The Claimant received Elementary and Secondary School Emergency Relief (ESSER) III funds in the amount of \$58,852,535. The Claimant allocated \$13 million towards the Districtwide HVAC project to remove and replace HVAC systems at elementary, middle, and high schools. The difference is due to the Claimant having other priorities in spending the remainder of ESSER III funds. The Claimant has until September 30, 2024, to spend this allocation. There will be no additional allocations of ESSER funds. Previously submitted were Department of General Services, Division of the State Architect approval plans for the replacement of the District's HVAC.

20. The Coronavirus Aid, Relief, and Economic Security Act (CARES Act) provides funding to Local Education Agencies through the Elementary and Secondary School Emergency Relief (ESSER) Fund, to address the impact of COVID-19 on elementary and secondary schools.

21. I am unaware of any local, state, or federal funds or fee authority that may be used to offset the increased costs that will be incurred by claimant to implement the alleged mandate, including direct and indirect costs.

I certify by my signature below, under penalty of perjury under the laws of the State of California, that the statements made in this document are true and complete to the best of my own personal knowledge or information and belief and I am authorized and competent to do so.

Dated: March 13, 2024



DR. GEORGE LANDON, DEPUTY
SUPERINTENDENT, BUSINESS SERVICE
HERSPERIA UNIFIED SCHOOL DISTRICT

<u>School</u>	<u>Total Units</u>	<u>Roof Tops Replaced</u>	<u>Total Roof Tops Not Replaced</u>	<u>Total Wall Mounts Replaced</u>	<u>Total Wall Mounts Not</u>	<u>Wall Mounts Not</u>
Elementary						
Carmel	30	30	0	16	16	0
Cottonwood	30	30	0	14	11	3
Cypress	44	44	0	4	4	0
Eucalyptus	29	29	0	15	6	9
Hollyvale	33	33	0	8	8	0
Joshua Circle	23	22	1	27	22	5
Juniper	25	23	2	21	16	5
Kingston	28	28	0	28	26	2
Krystal	51	51	0	6	4	2
Lime Street	34	34	0	23	20	3
Maple	31	31	0	22	11	11
Mesa Grande	35	35	0	54	28	26
Mesquite Trails	30	30	0	21	15	6
Mission Crest	56	56	0	8	6	2
Topaz	31	31	0	14	13	1
Total Elementary	510	507	3	281	206	75
Middle School						
Cedar	16	16	0	64	64	0
Hesperia Jr	46	35	11	40	33	7
Ranchero	72	72	0	26	24	2
Total Middle School	134	123	11	130	121	9
High Schools						
Hesperia	70	69	1	127	122	5
Sultana	54	54	0	27	23	4
Total High Schools	124	123	1	154	145	9
Alternative Ed Sites						
Canyon Ridge HS	44	44	0	5	1	4
Mojave HS	18	18	0	44	44	0
Total Alternative Ed	62	62	0	49	45	4
Grand Totals	830	815	15	614	517	97

Canyon Ridge High School

Replace portable filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

12850 Muscatel Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Canyon Ridge High School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Includes Summit Academy

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Canyon Ridge High School

Replace rooftop filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	56

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

12850 Muscatel Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Canyon Ridge High School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Includes Summit Academy

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	56.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 28 hours x 2 times a year

Carmel Elementary
School

Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

9321 Glendale Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Carmel Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Carmel Elementary
School

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

9321 Glendale Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Carmel Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Cedar Middle School
Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	120

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

13565 Cedar Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Cedar Middle School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	120.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	60	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	60	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 30 hours x 4 times a year

Cedar Middle School

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	60

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

13565 Cedar Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Cedar Middle School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	60.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	30	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	30	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 30 hours x 2 times a year

Cottonwood
Elementary School

Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

8850 Cottonwood Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Cottonwood Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Cottonwood
Elementary School

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

8850 Cottonwood Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Cottonwood Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Cypress School of the Arts

Replace portable filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

10365 Cypress Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Cypress School of the Arts	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Cypress School of the Arts

Replace rooftop filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	56

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

10365 Cypress Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Cypress School of the Arts	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	56.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 28 hours x 2 times a year

Eucalyptus
Elementary School

Replace portable
filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

11224 10th Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Eucalyptus Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Eucalyptus
Elementary School

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

11224 10th Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Eucalyptus Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Hesperia High School
Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	300

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

9898 Maple Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Hesperia High School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	300.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	150	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	150	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 75 hours x 4 times a year

Hesperia High School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	160

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

9898 Maple Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Hesperia High School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	160.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	80	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	80	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 80 hours x 2 times a year

Hesperia Jr High School
Replace portable filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	144

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

10275 Cypress Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Hesperia Jr High School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	144.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	72	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	72	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 36 hours x 4 times a year

Hesperia Jr High School
Replace rooftop filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	60

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

10275 Cypress Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Hesperia Jr High School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	60.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	30	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	30	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 30 hours x 2 times a year

Hollyvale Elementary
School

Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

11645 Hollyvale Avenue, Victorville, CA 92392, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Hollyvale Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Hollyvale Elementary
School

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

11645 Hollyvale Avenue, Victorville, CA 92392, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Hollyvale Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Joshua Circle
Elementary School
Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	96

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

10140 8th Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Joshua Circle Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	96.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 24 hours x 4 times a year

Joshua Circle
Elementary School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	56

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

10140 8th Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Joshua Circle Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	56.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 28 hours x 2 times a year

Juniper Elementary
School

Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

9400 I Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Juniper Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Juniper Elementary
School

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

9400 I Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Juniper Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Kingston Elementary
School

Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	96

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

7473 Kingston Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Kingston Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	96.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 24 hours x 4 times a year

Kingston Elementary
School

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	56

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

7473 Kingston Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Kingston Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	56.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 28 hours x 2 times a year

Krystal Elementary
School
Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

17160 Krystal Drive, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Krystal Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Krystal Elementary
School

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	32

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

17160 Krystal Drive, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Krystal Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	32.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	16	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	16	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 16 hours x 2 times a year

Lime Street
Elementary School
Replace portable
filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	96

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

16852 Lime Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Lime Street Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	96.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 24 hours x 4 times a year

Lime Street
Elementary School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

16852 Lime Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Lime Street Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Maple Elementary
School

Replace portable
filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	72

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

10616 Maple Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Maple Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	72.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	36	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	36	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 18 hours x 4 times a year

Maple Elementary
School

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

10616 Maple Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Maple Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Mesa Grande
Elementary School
Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	96

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

9172 Third Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Mesa Grande Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	96.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 24 hours x 4 times a year

Mesa Grande
Elementary School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	56

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

9172 Third Avenue, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Mesa Grande Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	56.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 28 hours x 2 times a year

Mesquite Trails
Elementary School
Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

13884 Mesquite Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Mesquite Trails Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Mesquite Trails
Elementary School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

13884 Mesquite Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Mesquite Trails Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Mission Crest
Elementary School
Replace portable
filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	72

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

13065 Muscatel Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Mission Crest Elementary School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	72.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	36	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	36	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 18 hours x 4 times a year

Mission Crest
Elementary School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

13065 Muscatel Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Mission Crest Elementary School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Mojave High School
Replace portable
filters



DETAILS

START DATE: January , 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	192

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

16633 Lemon Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Mojave High School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Includes Alternative Education

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	192.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	48	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 48 hours x 4 times a year

Mojave High School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	56

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

16633 Lemon Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Mojave High School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Includes Alternative Education

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	56.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	28	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 28 hours x 2 times a year

Oak Hills High School
Replace portable
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	240

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

7625 Cataba Road, Oak Hills, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Oak Hills High School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	240.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	120	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	120	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 60 hours x 4 times a year

Oak Hills High School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	140

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

7625 Cataba Road, Oak Hills, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Oak Hills High School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	140.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	70	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	70	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 70 hours x 2 times a year

Ranchero Middle School

Replace portable filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	72

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

17607 Ranchero Road, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Ranchero Middle School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	72.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	36	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	36	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 18 hours x 4 times a year

Ranchero Middle School
Replace rooftop filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	100

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

17607 Ranchero Road, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Ranchero Middle School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	100.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	50	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	50	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 50 hours x 2 times a year

Shadow Ridge School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

15775 Main Street, Suite #5, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Shadow Ridge School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

Sultana High School
 Replace portable
 filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	120

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

17311 Sultana Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Sultana High School	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	120.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	60	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	60	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 30 hours x 4 times a year

Sultana High School
Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	168

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

17311 Sultana Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Sultana High School	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	168.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	84	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	84	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 84 hours x 2 times a year

Topaz Preparatory
Academy

Replace portable
filters



DETAILS

START DATE: January 1, 2023 | **DUE DATE:** December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	48

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

14110 Beech Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Topaz Preparatory Academy	<i>Not provided</i>	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	48.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	24	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 filters changed in portables

Portable units = 12 hours x 4 times a year

Topaz Preparatory
Academy

Replace rooftop
filters



DETAILS

START DATE: January 1, 2023 | DUE DATE: December 31, 2023

TYPE	TRADE	PRIORITY	EST. HOURS
Heating or Cooling /HVAC	HVAC	Medium	36

Assignees (2): Vincent Luciano, Daniel (D.J.) Goble

LOCATION

14110 Beech Street, Hesperia, CA 92345, USA – Hesperia, CA

BUILDING	FLOOR	ROOM	ASSET NAME
Topaz Preparatory Academy	Roof	<i>Not provided</i>	<i>Not provided</i>

WORK ORDER DESCRIPTION

Not provided

WORK SUMMARY

COMPLETED DATE	TOTAL WORK HOURS	TOTAL COST (\$)
December 15, 2023	36.00	\$0.00

WORK ACTIVITY

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Daniel (D.J.) Goble	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

PERFORMED BY	DATE OF WORK	WORK HOURS	COST (\$)
Vincent Luciano	December 15, 2023	18	<i>Not provided</i>

MATERIAL USED:

Merv 13 filters

ACTIONS TAKEN:

Merv 13 rooftop filters changed

Rooftop units = 18 hours x 2 times a year

HESPERIA UNIFIED SCHOOL DISTRICT MAINTENANCE/OPERATIONS/TRANSPORTATION

Jeff Maestas, DIRECTOR
11107 Santa Fe Ave. East
Hesperia, CA 92345

Telephone (760) 244-0502
Fax (760) 244-5907
EMAIL jeffrey.maestas@hesperiausd.org

Title 8, California Code of Regulations, CAL/OSHA Standards The Law Concerning HVAC System Operation, Inspections and Maintenance

As an information service, here is Title 8, California Code of Regulations, section 5142. You can find this on the Internet at www.dir.ca.gov/title8/5142.html

TITLE 8, Sub Chapter 7

§5142 Mechanically Driven Heating, Ventilating and Air Conditioning (HVAC) Systems to Provide Minimum Building Ventilation.

(a) Operation:

(1) The HVAC system shall be maintained and operated to provide at least the quantity of outdoor air required by the State Building Standards Code, Title 24, Part 2, California Administrative Code, in effect at the time the building permit was issued.

(2) The HVAC system shall be operated continuously during working hours except:

(A) during scheduled maintenance and emergency repairs;

(B) during periods not exceeding a total of 90 hours per calendar year when a serving electric utility by contractual arrangement requests its customers to decrease electrical power demand; or

(C) during periods for which the employer can demonstrate that the quantity of outdoor air supplied by nonmechanical means meets the outdoor air supply rate required by (a)(1) of this Section. The employer must have available a record of calculations and/or measurements substantiating that the required outdoor air supply rate is satisfied by infiltration and/or by a nonmechanically driven outdoor air supply system.

(b) Inspection and Maintenance:

(1) The HVAC system shall be inspected at least annually, and problems found during these inspections shall be corrected within a reasonable time.

(2) Inspections and maintenance of the HVAC system shall be documented in writing. The employer shall record the name of the individual(s) inspecting and/or maintaining the system, the date of the inspection and/or maintenance, and the specific findings and actions taken. The employer shall ensure that such records are retained for at least five years.

(3) The employer shall make all records required by this section available for examination and copying, within 48 hours of a request, to any authorized representative of the Division (as defined in Section 3207), to any employee of the employer affected by this section, and to any designated representative of said employee of the employer affected by this section.

John Larsen
Maintenance Supervisor
Ext. 7832

David Shreve
Mechanic Supervisor
Ext. 7855

John Collinwood
Grounds Supervisor
Ext. 7816

Ruben Ortega
Night Custodial Supervisor
Ext. 7318

Paula Sheridan
Transportation Supervisor
Ext. 7831

Hesperia Unified Ventilation Maintenance Policy and Procedure

Implementation Date:

Revision Date:

A. RESPONSIBILITIES

The Director of Maintenance and Operations designates the Maintenance Supervisor as the person with the authority and the responsibility for implementing and maintaining this policy and procedure for HUSD.

B. COMPLIANCE

This policy and procedure provides compliance with the requirements of California Code of Regulations, Title 8, §5142 Mechanically Driven Heating, Ventilating and Air Conditioning (HVAC) Systems to Provide Minimum Building Ventilation.

C. OPERATION OF VENTILATION SYSTEMS

The District HVAC system(s) shall be maintained and operated to provide at least the quantity of outdoor air required by the State Building Standards Code, Title 24, Part 2, California Administrative Code, in effect at the time the building permit was issued and the HVAC system(s) shall be operated continuously during working hours except:

- 1) during scheduled maintenance and emergency repairs;
- 2) during periods not exceeding a total of 90 hours per calendar year when a serving electric utility by contractual arrangement requests its customers to decrease electrical power demand; or
- 3) during periods for which the employer can demonstrate that the quantity of outdoor air supplied by nonmechanical means meets the outdoor air supply rate required by Title 24, Part 2, California Administrative Code, in effect at the time the building permit was issued. The employer must have available a record of calculations and/or measurements substantiating that the required outdoor air supply rate is satisfied by infiltration and/or by a nonmechanically driven outdoor air supply system.

D. INSPECTION AND MAINTENANCE OF VENTILATION SYSTEMS

The District has implemented a comprehensive maintenance program that assures proper operation of all ventilation systems in each facility. The following is the minimum requirements of the program:

- 1) The HVAC system(s) shall be inspected at least annually. Any problems found during these inspections shall be corrected within a reasonable time.
- 1) Inspections and maintenance of HVAC system(s) shall be documented in writing. A standard form is maintained that records the name of the individual(s) or vendor inspection and/or maintaining the system, the date of the inspection and/or maintenance, and the specific findings and actions taken. The Maintenance Supervisor retains these records for at least five years at the Maintenance and Operations Shop.

E. EMPLOYEE ACCESS TO RECORDS

The District makes all records required by this policy and procedure available for examination and copying within 48 hours of a request, to any authorized representative of Cal-OSHA, to any employee affected by this section, and to any designated representative of said employee of the employer affected by this section.

Prepared by: _____ *Signature on file.* Date: _____

Reviewed by: _____ *Signature on file.* Date: _____

Approved by: _____ *Signature on file.* Date: _____

Ventilation Maintenance Policy and Procedure

HVAC Checklist - Short Form

Page 1 of 4

Building Name: _____ Address: _____

Completed by: _____ Date: _____ File Number: _____

Sections 2, 4 and 6 and Appendix B discuss the relationships between the HVAC system and indoor air quality.

MECHANICAL ROOM

■ Clean and dry? _____ Stored refuse or chemicals? _____

■ Describe items in need of attention _____

MAJOR MECHANICAL EQUIPMENT

■ Preventive maintenance (PM) plan in use? _____

Control System

■ Type _____

■ System operation _____

■ Date of last calibration _____

Boilers

■ Rated Btu input _____ Condition _____

■ Combustion air: is there at least one square inch free area per 2,000 Btu input? _____

■ Fuel or combustion odors _____

Cooling Tower

■ Clean? no leaks or overflow? _____ Slime or algae growth? _____

■ Eliminator performance _____

■ Biocide treatment working? (list type of biocide) _____

■ Spill containment plan implemented? _____ Dirt separator working? _____

Chillers

■ Refrigerant leaks? _____

■ Evidence of condensation problems? _____

■ Waste oil and refrigerant properly stored and disposed of? _____

HVAC Checklist - Short Form

Building Name: _____ Address: _____

Completed by: _____ Date: _____ File Number: _____

AIR HANDLING UNIT

■ Unit identification _____ Area served _____

Outdoor Air Intake, Mixing Plenum, and Damper

■ Outdoor air intake location _____

■ Nearby contaminant sources? (describe) _____

■ Bird screen in place and unobstructed? _____

■ Design total cfm _____ outdoor air (O.A.) cfm _____ date last tested and balanced _____

■ Minimum % O.A. (damper setting) _____ Minimum cfm O.A. $\frac{\text{total cfm} \times \text{minimum \% O.A.}}{100} =$ _____

■ Current O.A. damper setting (date, time, and HVAC operating mode) _____

■ Damper control sequence (describe) _____

■ Condition of dampers and controls (note date) _____

Fans

■ Control sequence _____

■ Condition (note date) _____

■ Indicated temperatures supply air _____ mixed air _____ return air _____ outdoor air _____

■ Actual temperatures supply air _____ mixed air _____ return air _____ outdoor air _____

Coils

■ Heating fluid discharge temperature _____ ΔT _____ cooling fluid discharge temperature _____ ΔT _____

■ Controls (describe) _____

■ Condition (note date) _____

Humidifier

■ Type _____ if biocide is used, note type _____

■ Condition (no overflow, drains trapped, all nozzles working?) _____

■ No slime, visible growth, or mineral deposits? _____

HVAC Checklist - Short Form

Building Name: _____ Address: _____

Completed by: _____ Date: _____ File Number: _____

DISTRIBUTION SYSTEM

Zone/ Room	System Type	Supply Air		Return Air		Power Exhaust		
		ducted/ unducted	cfm*	ducted/ unducted	cfm*	cfm*	control	serves (e.g. toilet)

Condition of distribution system and terminal equipment (note locations of problems)

- Adequate access for maintenance? _____
- Ducts and coils clean and obstructed? _____
- Air paths unobstructed? supply _____ return _____ transfer _____ exhaust _____ make-up _____
- Note locations of blocked air paths, diffusers, or grilles _____
- Any unintentional openings into plenums? _____
- Controls operating properly? _____
- Air volume correct? _____
- Drain pans clean? Any visible growth or odors? _____

Filters

Location	Type/Rating	Size	Date Last Changed	Condition (give date)

HVAC Checklist - Short Form

Building Name: _____ Address: _____

Completed by: _____ Date: _____ File Number: _____

OCCUPIED SPACE

Thermostat types _____

Zone/ Room	Thermostat Location	What Does Thermostat Control? (e.g., radiator, AHU-3)	Setpoints		Measured Temperature	Day/ Time
			Summer	Winter		

Humidistats/Dehumidistats type _____

Zone/ Room	Humidistat/ Dehumidistat Location	What Does It Control?	Setpoints (%RH)	Measured Temperature	Day/ Time

■ Potential problems (note location) _____

■ Thermal comfort or air circulation (drafts, obstructed airflow, stagnant air, overcrowding, poor thermostat location)

■ Malfunctioning equipment _____

■ Major sources of odors or contaminants (e.g., poor sanitation, incompatible uses of space)

SECTION 120.1 – REQUIREMENTS FOR VENTILATION AND INDOOR AIR QUALITY

(a) General Requirements.

1. All occupiable spaces in hotel/motel buildings, and nonresidential buildings other than healthcare facilities shall comply with the applicable requirements of Section 120.1(a) through 120.1(g). Healthcare facilities shall be ventilated in accordance with Chapter 4 of the California Mechanical Code.
2. The required outdoor air-ventilation rate and the air-distribution system design shall be clearly identified on the plans in accordance with Section 10-103 of Title 24, Part 1.

(b) Reserved

(c) Nonresidential and Hotel/Motel Buildings.

All occupiable spaces shall meet the requirements of Section 120.1(c)1, and shall also comply with either Section 120.1(c)2 or Section 120.1(c)3.

1. Air Filtration.

- A. Mechanical system types specified in subsections i, ii, and iii below shall be -designed to ensure that all recirculated air and all outdoor air supplied to the occupiable space is filtered before passing through any system thermal conditioning components. Air Filters shall conform to the requirements of Sections 120.1(c)1B, 120.1(c)1C and 120.1(c)1D.
 - i. Mechanical space conditioning systems that supply air to an occupiable space through ductwork exceeding 10 ft (3 m) in length.
 - ii. Mechanical supply-only ventilation systems and makeup air systems that provide outside air to an occupiable space.
 - iii. The supply side of mechanical balanced ventilation systems, including heat recovery ventilation systems and energy recovery ventilation systems that provide outside air to an occupiable space.

EXCEPTION to Section 120.1(c)1A: For heat recovery ventilators and energy recovery ventilators the location of the filters required by Section 120.1(c)1A may be downstream of a system thermal conditioning component, provided the system is equipped with ancillary filtration upstream of the system's thermal conditioning component.

- B. Air Filter Efficiency. The filters shall have a designated efficiency equal to or greater than MERV 13 when tested in accordance with ASHRAE Standard 52.2, or a particle size efficiency rating equal to or greater than 50 percent in the 0.30-1.0 μm range, and equal to or greater than 85 percent in the 1.0-3.0 μm range when tested in accordance with AHRI Standard 680; and
- C. Systems shall be equipped with air filters that meet either subsection i or ii below.
 - i. Nominal two inch minimum depth filter(s); or

- ii. Nominal one inch minimum depth filter(s) shall be allowed if the filter(s) are sized according to Equation 120.1-A, based on a maximum face velocity of 150 ft per minute.

Equation 120.1-A

$$A_{\text{face}} = Q_{\text{filter}} / V_{\text{face}}$$

Where,

A_{face} = air filter face area, the product of air filter nominal length × nominal width, ft²

Q_{filter} = design airflow rate for the air filter, ft³/min

V_{face} = air filter face velocity ≤ 150, ft/min

- D. Filter racks or grilles shall use gaskets, sealing, or other means to close gaps around inserted filters and prevent air from bypassing the filter.

2. Natural Ventilation.

Naturally ventilated spaces shall be designed in accordance with 120.1(c)2A through 120.1(c)2C and include a mechanical ventilation system designed in accordance with 120.1(c)3:

- A. Floor area to be ventilated. Spaces or portions of spaces to be naturally ventilated shall be located within a distance based on the ceiling height, as specified in i, ii and iii. The ceiling height (H) to be used in i, ii or iii shall be the minimum ceiling height in the space, or for ceilings that are increasing in height as distance from the operable openings is increased, the ceiling height shall be determined as the average height of the ceiling within 20 ft from the operable opening. [ASHRAE 62.1:6.4.1]
- i. Single Side Opening. For spaces with operable opening on one side of the space, the maximum distance from the operable opening shall be not more than 2H. [ASHRAE 62.1:6.4.1.1]
 - ii. Double Side Opening. For spaces with operable openings on two opposite sides of the space, the maximum distance from the operable opening shall be not more than 5H. [ASHRAE 62.1:6.4.1.2]
 - iii. Corner Opening. For spaces with operable openings on two adjacent sides of a space, the maximum distance from the operable openings shall be not more than 5H along a line drawn between the two openings that are the farthest apart. Floor area outside that line shall comply with i or ii. [ASHRAE 62.1:6.4.1.3]
 - iv. Ceiling Height. The ceiling height (H) to be used in Section 120.1(c)2Ai through 120.1(c)2Aiii shall be the minimum ceiling height in the space.

EXCEPTION to Section 120.1(c)2Aiv: For ceilings that are increasing in height as distance from the opening is increased, the ceiling height shall be determined as the average height of the ceiling within 20 feet from the operable openings. [ASHRAE 62.1:6.4.1.4]
- B. Location and Size of Openings. Spaces or portions of spaces to be naturally ventilated shall be permanently open to operable wall openings directly to the outdoors. The openable area shall be not less than 4 percent of the net occupiable floor area. Where openings are covered with louvers or otherwise obstructed, the openable area shall be based on the net free unobstructed area through the opening. Where interior rooms, or portions of rooms, without direct openings to the outdoors are ventilated through adjoining rooms, the opening between rooms shall be permanently unobstructed and have a free area of not less than 8 percent of the area of the interior room or less than 25 square feet. [ASHRAE 62.1:6.4.2]
- C. Control and Accessibility. The means to open the required operable opening shall be readily accessible to building occupants whenever the space is occupied. Controls shall be designed to coordinate

operation of the natural and mechanical ventilation systems. [ASHRAE 62.1:6.4.3]

EXCEPTION 1 to Section 120.1(c)2: The mechanical ventilation system shall not be required where natural ventilation openings complying with 120.1(c)2 are either permanently open or have controls that prevent the openings from being closed during periods of expected occupancy.

EXCEPTION 2 to Section 120.1(c)2: The mechanical ventilation system shall not be required where the zone is not served by a space conditioning system.

3. Mechanical Ventilation.

Occupiable spaces shall be ventilated with a mechanical ventilation system capable of providing an outdoor airflow rate to the zone (V_z) no less than Equation 120.1-F as described below:

Equation 120.1-F

$$V_z = R_t \times A_z$$

Where:

R_t = Total outdoor airflow rate required per unit area as determined from Table 120.1-A.

A_z = Zone floor area, meaning the net occupiable floor area of the ventilation zone in square feet.

EXCEPTION 1 to Section 120.1(c)3: Designed Occupancy. For spaces designed for an expected number of occupants per the **EXCEPTION to Section 1004.5** of the CBC, or spaces with fixed seating per Section 1004.6 of the CBC, the outdoor airflow rate to the zone (V_z) shall be determined in accordance with Equation 120.1-G;

Equation 120.1-G

$$V_z = \text{The larger of } R_p \times P_z \text{ or } R_a \times A_z$$

Where:

R_p = 15 cubic feet per minute of outdoor airflow per person

P_z = The expected number of occupants. The expected number of occupants shall be the expected number specified by the building designer. For spaces with fixed seating, the expected number of occupants shall be determined in accordance with the California Building Code.

R_a = The minimum ventilation airflow rate allowed for DCV in Table 120.1-A. If R_a is not defined for an occupancy category, $R_a = 0$.

A_z = Zone floor area, meaning the net occupiable floor area of the ventilation zone in square feet.

EXCEPTION 2 to Section 120.1(c)3: Transfer air. The rate of outdoor air required by Section 120.1(c)3 may be provided with air transferred from other ventilated space if:

- A. Use of transfer air is in accordance with Section 120.1(g); and
- B. The outdoor air that is supplied to all spaces combined, is sufficient to meet the requirements of Section 120.1(c)3 for each space individually.

4. Exhaust Ventilation.

The design exhaust airflow shall be determined in accordance with the requirements in Table 120.1-B. Exhaust makeup air shall be permitted to be any combination of outdoor air, recirculated air, or transfer air. [ASHRAE 62.1:6.5.1]

(d) Operation and Control Requirements for Minimum Quantities of Outdoor Air.

1. **Times of occupancy.** The minimum rate of outdoor air required by Section 120.1(c) shall be supplied to each space at all times when the space is usually occupied.

EXCEPTION 1 to Section 120.1(d)1: Demand control ventilation. In intermittently occupied spaces that do not have processes or operations that generate dusts, fumes, mists, vapors or gasses and are not provided with local exhaust ventilation (such as indoor operation of internal combustion engines or areas designated for unvented food service preparation), the rate of outdoor air may be reduced if the ventilation system serving the space is controlled by a demand control ventilation device complying with Section 120.1(d)4 or by an occupant sensor ventilation control device complying with Section 120.1(d)5.

EXCEPTION 2 to Section 120.1(d)1: Temporary reduction. The rate of outdoor air provided to a space may be reduced below the level required by Section 120.1(c) for up to 30 minutes at a time if the average rate for each hour is equal to or greater than the required ventilation rate.

2. **Pre-occupancy.** The lesser of the minimum rate of outdoor air required by Section 120.1(c) or three complete air changes shall be supplied to the entire building during the 1-hour period immediately before the building is normally occupied.
3. **Required Demand Control Ventilation.** Demand ventilation controls complying with Section 120.1(d)4 are required for a space with a design occupant density, or a maximum occupant load factor for egress purposes in the CBC, greater than or equal to 25 people per 1000 square feet (40 square feet or less per person) if the ventilation system serving the space has one or more of the following:
 - A. an air economizer; or
 - B. modulating outside air control; or
 - C. design outdoor airflow rate > 3,000 cfm.

EXCEPTION 1 to Section 120.1(d)3: Where space exhaust is greater than the design ventilation rate specified in Section 120.1(c)3 minus 0.2 cfm per ft² of conditioned area.

EXCEPTION 2 to Section 120.1(d)3: Spaces that have processes or operations that generate dusts, fumes, mists, vapors, or gases and are not provided with local exhaust ventilation, such as indoor operation of internal combustion engines or areas designated for unvented food service preparation, daycare sickrooms, science labs, barber shops or beauty and nail salons shall not install demand control ventilation.

EXCEPTION 3 to Section 120.1(d)3: Spaces with an area of less than 150 square feet, or a design occupancy of less than 10 people as specified by Section 120.1(c)3.

4. Demand Control Ventilation Devices.
 - A. For each system with demand control ventilation (DCV), CO₂ sensors shall be installed in each room that meets the criteria of Section 120.1(d)3 with no less than one sensor per 10,000 ft² of floor space. When a zone or a space is served by more than one sensor, a signal from any sensor indicating that CO₂ is near or at the setpoint within the zone or space shall trigger an increase in ventilation.
 - B. CO₂ sensors shall be located in the room between 3 ft and 6 ft above the floor or at the anticipated height of the occupants' heads.

C. Demand ventilation controls shall maintain CO₂ concentrations less than or equal to 600 ppm plus the outdoor air CO₂ concentration in all rooms with CO₂ sensors.

EXCEPTION to Section 120.1(d)4C: The outdoor air ventilation rate is not required to be larger than the design outdoor air ventilation rate required by Section 120.1(c)3 regardless of CO₂ concentration.

D. Outdoor air CO₂ concentration shall be determined by one of the following:

- i. CO₂ concentration shall be assumed to be 400 ppm without any direct measurement; or
- ii. CO₂ concentration shall be dynamically measured using a CO₂ sensor located within 4 ft of the outdoor air intake.

E. When the system is operating during hours of expected occupancy, the controls shall maintain system outdoor air ventilation rates no less than the rate listed in Table 120.1-A for DCV, times the conditioned floor area for spaces with CO₂ sensors, plus the rate required by Section 120.1(c)3 for other spaces served by the system, or the exhaust air rate whichever is greater.

F. CO₂ sensors shall be certified by the manufacturer to be accurate within plus or minus 75 ppm at a 600 and 1000 ppm concentration when measured at sea level and 25°C, factory calibrated, and certified by the manufacturer to require calibration no more frequently than once every 5 years. Upon detection of sensor failure, the system shall provide a signal which resets to supply the minimum quantity of outside air to levels required by Section 120.1(c)3 to the zone serviced by the sensor at all times that the zone is occupied.

G. The CO₂ sensor(s) reading for each zone shall be displayed continuously, and shall be recorded on systems with DDC to the zone level.

5. Occupant Sensor Ventilation Control Devices.

Occupant sensing or ventilation controls are required for space conditioning zones that are both permitted to have their ventilation air reduced to zero while in occupied standby mode per Table 120.1-A and required to install occupant sensors to comply with Section 130.1(c)5, 6, and 7. Occupant sensor ventilation control devices used to reduce the rate of outdoor airflow when occupants are not present shall comply with the following:

- A. Occupant sensors shall have suitable coverage and placement to detect occupants in the entire space ventilated. In 20 minutes or less after no occupancy is detected by any sensors covering the room, occupant sensing controls shall indicate a room is vacant.
- B. When occupant sensors controlling lighting are also used for ventilation, the ventilation signal shall be independent of daylighting, manual lighting overrides or manual control of lighting.
- C. When a single zone damper or a single zone system serves multiple rooms, there shall be an occupant sensor in each room and the zone shall not be considered vacant until all rooms in the zone are vacant.
- D. One hour prior to normal scheduled occupancy, the occupant sensor ventilation control shall allow pre-occupancy purge as described in Section 120.1(d)2.
- E. When the zone is scheduled to be occupied and occupant sensing controls in all rooms and areas served by the zone indicate the spaces are unoccupied, the zone shall be placed in occupied standby mode.
- F. In 5 minutes or less after entering occupied-standby mode, mechanical ventilation to the zone shall be shut off until the space becomes occupied or until ventilation is needed to provide space heating or conditioning. When mechanical ventilation is shut off to the zone, the ventilation system serving the zone shall reduce the system outside air rate by the amount of outside air required for the zone.
- G. Where the system providing space conditioning also provides ventilation to the zone, in 5 minutes or less after entering occupied-standby mode, space conditioning zone setpoints shall be reset in accordance with Section 120.2(e)3.

(e) Ducting for Zonal Heating and Cooling Units.

Where a return plenum is used to distribute outdoor air to a zonal heating or cooling unit which then supplies the air to a space in order to meet the requirements of Section 120.1(c)3, the outdoor air shall be ducted to discharge either:

1. Within 5 feet of the unit; or
2. Within 15 feet of the unit, substantially toward the unit, and at a velocity not less than 500 feet per minute.

(f) Design and Control Requirements for Quantities of Outdoor Air.

1. All mechanical ventilation and space-conditioning systems shall be designed with and have installed ductwork, dampers, and controls that allow design minimum outside air rates to be operated at no less than the larger of (1) the minimum levels specified in Section 120.1(c)3 or (2) the rate required for make-up of exhaust systems that are required for an exempt or covered process, for control of odors, or for the removal of contaminants within the space.
2. All variable air volume mechanical ventilation and space-conditioning systems shall include dynamic controls that are capable of maintaining measured outside air ventilation rates within 10 percent of the design minimum outside air ventilation rate at both full and reduced supply airflow conditions. Fixed minimum damper position is not considered to be dynamic and is not an allowed control strategy.
3. All mechanical ventilation and space-conditioning systems shall be tested to confirm their ability to operate within 10 percent of the design minimum outside air rate.

(g) Air Classification and Recirculation Limitations.

Air classification and recirculation limitations of air shall be based on the air classification as listed in Table 120.1-A or Table 120.1-C, and in accordance with the requirements of Sections 120.1(g)1 through 4.

NOTE: Air class definitions are taken directly from ASHRAE 62.1 and are duplicated here for convenience.

1. **Class 1 Air** is air with low contaminant concentration, low sensory-irritation intensity, or inoffensive odor. Recirculation or transfer of Class 1 air to any space shall be permitted; [ASHRAE 62.1:5.16.3.1]
2. **Class 2 Air** is air with moderate contaminant concentration, mild sensory-irritation intensity, or mildly offensive odors (Class 2 air also includes air that is not necessarily harmful or objectionable but that is inappropriate for transfer or recirculation to spaces used for different purposes). Recirculation or transfer of Class 2 air shall be permitted in accordance with 120.1(g)2A through 120.1(g)2E:
 - A. Recirculation of Class 2 air within the space of origin shall be permitted [ASHRAE 62.1:5.16.3.2.1]:
 - B. Recirculation or transfer of Class 2 to other Class 2 or Class 3 spaces shall be permitted, provided that the other spaces are used for the same or similar purpose or task and involve the same or similar pollutant sources as the Class 2 space [ASHRAE 62.1:5.16.3.2.2]; or
 - C. Transfer of Class 2 air to toilet rooms [ASHRAE 62.1:5.16.3.2.3]; or
 - D. Recirculation or transfer of Class 2 air to Class 4 spaces [ASHRAE 62.1:5.16.3.2.4]; or
 - E. Class 2 air shall not be recirculated or transferred to Class 1 spaces. [ASHRAE 62.1:5.16.3.2.5]

EXCEPTION to Section 120.1(g)2E: When using any energy recovery device, recirculation from leakage, carryover, or transfer from the exhaust side of the energy recovery device is permitted. Recirculated Class 2 air shall not exceed 10% of the outdoor air intake flow.

- 3. **Class 3 Air** is air with significant contaminant concentration, significant sensory-irritation intensity, or offensive odor. Recirculation or transfer of Class 3 air shall be permitted in accordance with Section 120.1(g)3A and B:
 - A. Recirculation of Class 3 air within the space of origin shall be permitted. [ASHRAE 62.1:5.16.3.3.1]
 - B. Class 3 air shall not be recirculated or transferred to any other space. [ASHRAE 62.1:5.16.3.3.2].

EXCEPTION to Section 120.1(g)3B: When using any energy recovery device, recirculation from leakage, carryover, or transfer from the exhaust side of the energy recovery device is permitted. Recirculated Class 3 air shall not exceed 5% of the outdoor air intake flow.
- 4. **Class 4 Air** is air with highly objectionable fumes or gases or with potentially dangerous particles, bioaerosols, or gases at concentrations high enough to be considered as harmful. Class 4 air shall not be recirculated or transferred to any space or recirculated within the space of origin. [ASHRAE 62.1:5.16.3.4]
- 5. **Ancillary spaces.** Redesignation of Class 1 air to Class 2 air shall be permitted for Class 1 spaces that are ancillary to Class 2 spaces. [ASHRAE 62.1:5.16.2.3]
- 6. **Transfer.** A mixture of air that has been transferred through or returned from spaces or locations with different air classes shall be redesignated with the highest classification among the air classes mixed. [ASHRAE 62.1:5.16.2.2]
- 7. **Classification.** Air leaving each space or location shall be designated at an expected air-quality classification not less than that shown in Tables 120.1-A, 120.1-B or 120.1-C. Air leaving spaces or locations that are not listed in Tables 120.1-A, 120.1-B or 120.1-C shall be designated with the same classification as air from the most similar space or location listed in terms of occupant activities and building construction.

(h) Ventilation Only Mechanical Systems.

HVAC Systems without mechanical cooling or mechanical heating shall meet the requirements of Section 120.2(f).

Table 120.1-A – Minimum Ventilation Rates

Occupancy Category	Total Outdoor Air Rate ¹ R _t (cfm/ft ²)	Min Ventilation Air Rate for DCV ² R _a (cfm/ft ²)	Air Class	Notes
Educational Facilities				
Daycare (through age 4)	0.21	0.15	2	
Daycare sickroom	0.15		3	
Classrooms (ages 5-8)	0.38	0.15	1	
Classrooms (age 9 -18)	0.38	0.15	1	
Lecture/postsecondary classroom	0.38	0.15	1	F
Lecture hall (fixed seats)	-	0.15	1	F
Art classroom	0.15		2	
Science laboratories	0.15		2	
University/college laboratories	0.15		2	
Wood/metal shop	0.15		2	
Computer lab	0.15		1	
Media center	0.15		1	A
Music/theater/dance	1.07	0.15	1	F
Multiuse assembly	0.5	0.15	1	F
Food and Beverage Service				
Restaurant dining rooms	0.5	0.15	2	
Cafeteria/fast-food dining	0.5	0.15	2	
Bars, cocktail lounges	0.5	0.2	2	
Kitchen (cooking)	0.15		2	
General				
Break rooms	0.5	0.15	1	F
Coffee Stations	0.5	0.15	1	F
Conference/meeting	0.5	0.15	1	F
Corridors	0.15		1	F
Occupiable storage rooms for liquids or gels	0.15		2	B
Hotels, Motels, Resorts, Dormitories				
Bedroom/living room	0.15		1	F
Barracks sleeping areas	0.15		1	F
Laundry rooms, central	0.15		2	
Laundry rooms within dwelling units	0.15		1	
Lobbies/pre-function	0.5	0.15	1	F
Multipurpose assembly	0.5		1	F
Office Buildings				
Breakrooms	0.5	0.15	1	
Main entry lobbies	0.5	0.15	1	F
Occupiable storage rooms for dry materials	0.15		1	
Office space	0.15		1	F
Reception areas	0.15		1	F
Telephone/data entry	0.15		1	F
Miscellaneous Spaces				
Bank vaults/safe deposit	0.15		2	F
Banks or bank lobbies	0.15		1	F
Computer (not printing)	0.15		1	F
Freezer and refrigerated spaces (<50oF)	-		2	E
General manufacturing (excludes heavy industrial and process using chemicals)	0.15		3	
Pharmacy (prep. Area)	0.15		2	
Photo studios	0.15		1	
Shipping/receiving	0.15		2	B
Sorting, packing, light assembly	0.15		2	
Telephone closets	0.15		1	
Transportation waiting	0.5	0.15	1	F
Warehouses	0.15		2	B
All others	0.15		2	
Public Assembly Spaces				
Auditorium seating area	1.07	0.15	1	F
Places of religious worship	1.07	0.15	1	F
Courtrooms	0.19	0.15	1	F
Legislative chambers	0.19	0.15	1	F
Libraries (reading rooms and stack areas)	0.15		1	
Lobbies	0.5	0.15	1	F

Occupancy Category	Total Outdoor Air Rate ¹ R _t (cfm/ft ²)	Min Ventilation Air Rate for DCV ² R _a (cfm/ft ²)	Air Class	Notes
Museums (children’s)	0.25	0.15	1	
Museums/galleries	0.25	0.15	1	F
Residential				
Common corridors	0.15		1	F
Retail				
Sales (except as below)	0.25	0.2	2	
Mall common areas	0.25	0.15	1	F
Barbershop	0.4		2	
Beauty and nail salons	0.4		2	
Pet shops (animal areas)	0.25	0.15	2	
Supermarket	0.25	0.2	1	F
Coin-operated laundries	0.3		2	
Sports and Entertainment				
Gym, sports arena (play area)	0.5	0.15	2	E
Spectator areas	0.5	0.15	1	F
Swimming (pool)	0.15		2	C
Swimming (deck)	0.5	0.15	2	C
Disco/dance floors	1.5	0.15	2	F
Health club/aerobics room	0.15		2	
Health club/weight rooms	0.15		2	
Bowling alley (seating)	1.07	0.15	1	
Gambling casinos	0.68	0.15	1	
Game arcades	0.68	0.15	1	
Stages, studios	0.5	0.15	1	D, F

General footnotes for Table 120.1-A:

1 R_t is determined as being the larger of the area method and the default per person method. The occupant density used in the default per person method is one half of the maximum occupant load assumed for egress purposes in the CBC.

Specific Notes:

A – For high-school and college libraries, the values shown for “Public Assembly Spaces – Libraries” shall be used.

B – Rate may not be sufficient where stored materials include those having potentially harmful emissions.

C – Rate does not allow for humidity control. “Deck area” refers to the area surrounding the pool that is capable of being wetted during pool use or when the pool is occupied. Deck area that is not expected to be wetted shall be designated as an occupancy category.

D – Rate does not include special exhaust for stage effects such as dry ice vapors and smoke.

E – Where combustion equipment is intended to be used on the playing surface or in the space, additional dilution ventilation, source control, or both shall be provided.

F – Ventilation air for this occupancy category shall be permitted to be reduced to zero when the space is in occupied-standby mode.

Table 120.1-B – Minimum Exhaust Rates
[ASHRAE 62.1: Table 6.5]

Occupancy Category	Exhaust Rate, cfm/unit	Exhaust Rate, cfm/ft ²	Air Class	Notes
Arenas	-	0.50	1	B
Art classrooms	-	0.70	2	
Auto repair rooms	-	1.5	2	A
Barber shops	-	0.50	2	
Beauty and nail salons	-	0.60	2	
Cells with toilet	-	1.00	2	
Copy, printing rooms	-	0.50	2	
Darkrooms	-	1.00	2	
Educational science laboratories	-	1.00	2	
Janitor closets, trash rooms, recycling	-	1.00	3	
Kitchenettes	-	0.30	2	
Kitchens – commercial	-	0.70	2	
Locker rooms for athletic or industrial facilities	-	0.50	2	
All other locker rooms	-	0.25	2	
Shower rooms	20/50	-	2	G,H
Paint spray booths	-	-	4	F
Parking garages	-	0.75	2	C
Pet shops (animal areas)	-	0.90	2	
Refrigerating machinery rooms	-	-	3	F
Soiled laundry storage rooms	-	1.00	3	F
Storage rooms, chemical	-	1.50	4	F
Toilets – private	25/50	-	2	E
Toilets – public	50/70	-	2	D
Woodwork shop/classrooms	-	0.50	2	

Notes:

A – Stands where engines are run shall have exhaust systems that directly connect to the engine exhaust and prevent escape of fumes.

B – Where combustion equipment is intended to be used on the playing surface, additional dilution ventilation, source control, or both shall be provided.

C – Exhaust shall not be required where two or more sides comprise walls that are at least 50% open to the outside.

D – Rate is per water closet, urinal, or both. Provide the higher rate where periods of heavy use are expected to occur. The lower rate shall be permitted to be used otherwise.

E – Rate is for a toilet room intended to be occupied by one person at a time. For continuous systems operation during hours of use, the lower rate shall be permitted to be used. Otherwise the higher rate shall be used.

F – See other applicable standards for exhaust rate.

G – For continuous system operation, the lower rate shall be permitted to be used. Otherwise the higher rate shall be used.

H – Rate is per showerhead

Table 120.1-C – Airstreams or Sources
[ASHRAE 62.1:Table 5.16.1]

Description	Air Class
Diazo printing equipment discharge	4
Commercial kitchen grease hoods	4
Commercial kitchen hoods other than grease	3
Laboratory hoods	4 ^a
Hydraulic elevator machine room	2

a. Air Class 4 unless determined otherwise by the Environmental Health and Safety professional responsible to the owner or to the owner’s designee.

NOTE: Authority: Sections 25213, 25218, 25218.5, 25402 and 25402.1, Public Resources Code. Reference: Sections 25007, 25008, 25218.5, 25310, 25402, 25402.1, 25402.4, 25402.8, and 25943, Public Resources Code.

DECLARATION OF SERVICE BY EMAIL

I, the undersigned, declare as follows:

I am a resident of the County of Sacramento and I am over the age of 18 years, and not a party to the within action. My place of employment is 980 Ninth Street, Suite 300, Sacramento, California 95814.

On March 14, 2024, I served the:

- **Current Mailing List dated February 16, 2024**
- **Claimant's Rebuttal Comments filed March 14, 2024**

Heating, Ventilation, and Air Conditioning (HVAC) Program, 23-TC-01
Statutes 2022, Chapter 777, Sections 1, 2 (AB 2232);
Education Code Sections 17660, 17661, Effective January 1, 2023
Hesperia Unified School District, Claimant

by making it available on the Commission's website and providing notice of how to locate it to the email addresses provided on the attached mailing list.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct, and that this declaration was executed on March 14, 2024 at Sacramento, California.



David Chavez
Commission on State Mandates
980 Ninth Street, Suite 300
Sacramento, CA 95814
(916) 323-3562

COMMISSION ON STATE MANDATES

Mailing List

Last Updated: 2/16/24

**Claim
Number:** 23-TC-01

Matter: Heating, Ventilation, and Air Conditioning (HVAC) Program

Claimant: Hesperia Unified School District

TO ALL PARTIES, INTERESTED PARTIES, AND INTERESTED PERSONS:

Each commission mailing list is continuously updated as requests are received to include or remove any party or person on the mailing list. A current mailing list is provided with commission correspondence, and a copy of the current mailing list is available upon request at any time. Except as provided otherwise by commission rule, when a party or interested party files any written material with the commission concerning a claim, it shall simultaneously serve a copy of the written material on the parties and interested parties to the claim identified on the mailing list provided by the commission. (Cal. Code Regs., tit. 2, § 1181.3.)

Amber Alexander, *Department of Finance*

Education Systems Unit, 915 L Street, 7th Floor, Sacramento, Ca

Phone: (916) 445-0328

Amber.Alexander@dof.ca.gov

Michael Alferes, Fiscal and Policy Analyst, K-12, *Legislative Analyst's Office*

925 L Street, Suite 1000, Sacramento, CA 95816

Phone: (916) 319-8332

michael.alferes@lao.ca.gov

Lili Apgar, Specialist, *State Controller's Office*

Local Reimbursements Section, 3301 C Street, Suite 740, Sacramento, CA 95816

Phone: (916) 324-0254

lapgar@sco.ca.gov

Socorro Aquino, *State Controller's Office*

Division of Audits, 3301 C Street, Suite 700, Sacramento, CA 95816

Phone: (916) 322-7522
SAquino@sco.ca.gov

Harmeet Barkschat, *Mandate Resource Services, LLC*
5325 Elkhorn Blvd. #307, Sacramento, CA 95842
Phone: (916) 727-1350
harmeet@comcast.net

Ginni Bella Navarre, Deputy Legislative Analyst, *Legislative Analyst's Office*
925 L Street, Suite 1000, Sacramento, CA 95814
Phone: (916) 319-8342
Ginni.Bella@lao.ca.gov

Mike Brown, *School Innovations & Advocacy*
5200 Golden Foothill Parkway, El Dorado Hills, CA 95762
Phone: (916) 669-5116
mikeb@sia-us.com

Guy Burdick, Consultant, *MGT Consulting*
2251 Harvard Street, Suite 134, Sacramento, CA 95815
Phone: (916) 833-7775
gburdick@mgtconsulting.com

Edgar Cabral, Fiscal and Policy Analyst, K-12, *Legislative Analyst's Office*
925 L Street, Suite 100, Sacramento, CA 95816
Phone: (916) 319-8332
edgar.cabral@lao.ca.gov

Evelyn Calderon-Yee, Bureau Chief, *State Controller's Office*
Local Government Programs and Services Division, Bureau of Payments,
3301 C Street, Suite 740, Sacramento, CA 95816
Phone: (916) 324-5919
ECalderonYee@sco.ca.gov

Veronica Causor-Lara, Manager, Internal Audit, *San Jose Unified School District*
855 Lenzen Avenue, San Jose, CA 95126
Phone: (408) 535-6000
vcausorlara@sjusd.org

Carolyn Chu, Senior Fiscal and Policy Analyst, *Legislative Analyst's Office*
925 L Street, Suite 1000, Sacramento, CA 95814
Phone: (916) 319-8326
Carolyn.Chu@lao.ca.gov

Margaret Demauro, Finance Director, *Town of Apple Valley*
14955 Dale Evans Parkway, Apple Valley, CA 92307

Phone: (760) 240-7000
mdemauro@applevalley.org

Martina Dickerson, Staff Finance Budget Analyst, *Department of Finance*
Education, Department of Finance, Sacramento, CA 95814

Phone: (916) 445-0328
Martina.Dickerson@dof.ca.gov

Andra Donovan, *San Diego Unified School District*
Legal Services Office, 4100 Normal Street, Room 2148, , San Diego, CA
92103

Phone: (619) 725-5630
adonovan@sandi.net

Donna Ferebee, *Department of Finance*
915 L Street, Suite 1280, Sacramento, CA 95814

Phone: (916) 445-8918
donna.ferebee@dof.ca.gov

Chris Ferguson, *Department of Finance*
Education Systems Unit, 915 L Street, 7th Floor, 915 L Street, 7th Floor,
Sacramento, CA 95814

Phone: (916) 445-3274
Chris.Ferguson@dof.ca.gov

Brianna Garcia, *Education Mandated Cost Network*
1121 L Street, Suite 1060, Sacramento, CA 95814

Phone: (916) 446-7517
briannag@sscal.com

Len Garfinkel, General Counsel, *California Department of Education*
1430 N Street, Sacramento, CA 95814

Phone: (916) 319-0860
lgarfinkel@cde.ca.gov

Juliana Gmur, Acting Executive Director, *Commission on State Mandates*
980 9th Street, Suite 300, Sacramento, CA 95814

Phone: (916) 323-3562
juliana.gmur@csm.ca.gov

Mike Gomez, Revenue Manager, *City of Newport Beach*
100 Civic Center Drive, Newport Beach, CA 92660

Phone: (949) 644-3240
mgomez@newportbeachca.gov

Heather Halsey, Executive Director, *Commission on State Mandates*
980 9th Street, Suite 300, Sacramento, CA 95814

Phone: (916) 323-3562
heather.halsey@csn.ca.gov

Tiffany Hoang, Associate Accounting Analyst, *State Controller's Office*
Local Government Programs and Services Division, Bureau of Payments,
3301 C Street, Suite 740, Sacramento, CA 95816
Phone: (916) 323-1127
THoang@sco.ca.gov

Jason Jennings, Director, *Maximus Consulting*
Financial Services, 808 Moorefield Park Drive, Suite 205, Richmond, VA
23236
Phone: (804) 323-3535
SB90@maximus.com

Angelo Joseph, Supervisor, *State Controller's Office*
Local Government Programs and Services Division, Bureau of Payments,
3301 C Street, Suite 740, Sacramento, CA 95816
Phone: (916) 323-0706
AJoseph@sco.ca.gov

Lorena Jung, *San Jose Unified School District*
855 Lenzen Avenue, San Jose, CA 95126
Phone: (408) 535-6000
ljung@sjusd.org

Doug Kimberly, Superintendent, *Lake Elsinore Unified School District*
545 Chaney Street, Lake Elsinore, CA 92530
Phone: (951) 253-7000
Doug.Kimberly@leusd.k12.ca.us

Jennifer Kuhn, Deputy, *Legislative Analyst's Office*
925 L Street, Suite 1000, Sacramento, CA 95814
Phone: (916) 319-8332
Jennifer.kuhn@lao.ca.gov

Lisa Kurokawa, Bureau Chief for Audits, *State Controller's Office*
Compliance Audits Bureau, 3301 C Street, Suite 700, Sacramento, CA 95816
Phone: (916) 327-3138
lkurokawa@sco.ca.gov

Audin Leung, Student Leader, *Free the Period California*
1 Shield Ave, Pierce Co-op TB14, Davis, CA 95616
Phone: (415) 318-9343
freetheperiod.ca@gmail.com

Kristin Lindgren-Bruzzone, General Counsel, *California School Boards Association*

3251 Beacon Boulevard, West Sacramento, CA 95691

Phone: (916) 669-3243

klindgren-bruzzone@csba.org

Diego Lopez, Consultant, *Senate Budget and Fiscal Review Committee*

1020 N Street, Room 502, Sacramento, CA 95814

Phone: (916) 651-4103

Diego.Lopez@sen.ca.gov

Everett Luc, Accounting Administrator I, Specialist, *State Controller's Office*

3301 C Street, Suite 740, Sacramento, CA 95816

Phone: (916) 323-0766

ELuc@sco.ca.gov

Jill Magee, Program Analyst, *Commission on State Mandates*

980 9th Street, Suite 300, Sacramento, CA 95814

Phone: (916) 323-3562

Jill.Magee@csm.ca.gov

Darryl Mar, Manager, *State Controller's Office*

3301 C Street, Suite 740, Sacramento, CA 95816

Phone: (916) 323-0706

DMar@sco.ca.gov

Tina McKendell, *County of Los Angeles*

Auditor-Controller's Office, 500 West Temple Street, Room 603, Los Angeles, CA 90012

Phone: (213) 974-0324

tmckendell@auditor.lacounty.gov

Michelle Mendoza, *MAXIMUS*

17310 Red Hill Avenue, Suite 340, Irvine, CA 95403

Phone: (949) 440-0845

michellemendoza@maximus.com

Marilyn Munoz, Senior Staff Counsel, *Department of Finance*

915 L Street, Sacramento, CA 95814

Phone: (916) 445-8918

Marilyn.Munoz@dof.ca.gov

Melissa Ng, Staff Finance Budget Analyst, *Department of Finance*

Education, 915 L Street, 7th Floor, Sacramento, CA 95814

Phone: (916) 445-0328

Melissa.Ng@dof.ca.gov

Michelle Nguyen, *Department of Finance*
Education Unit, 915 L Street, Sacramento, CA 95814
Phone: (916) 445-0328
Michelle.Nguyen@dof.ca.gov

Andy Nichols, *Nichols Consulting*
1857 44th Street, Sacramento, CA 95819
Phone: (916) 455-3939
andy@nichols-consulting.com

David Olney, Superintendent, *Hesperia Unified School District*
Claimant Contact
15576 Main Street, Hesperia, CA 92345
Phone: (760) 244-4411
david.olney@hesperiausd.org

Arthur Palkowitz, *Law Offices of Arthur M. Palkowitz*
Claimant Representative
12807 Calle de la Siena, San Diego, CA 92130
Phone: (858) 259-1055
law@artpalk.onmicrosoft.com

Kirsten Pangilinan, Specialist, *State Controller's Office*
Local Reimbursements Section, 3301 C Street, Suite 740, Sacramento, CA 95816
Phone: (916) 322-2446
KPangilinan@sco.ca.gov

Roberta Raper, Director of Finance, *City of West Sacramento*
1110 West Capitol Ave, West Sacramento, CA 95691
Phone: (916) 617-4509
robertar@cityofwestsacramento.org

Seth Reddy, *San Jose Unified School District*
855 Lenzen Avenue, San Jose, CA 95126
Phone: (408) 535-6000
sreddy@sjusd.org

Sandra Reynolds, President, *Reynolds Consulting Group, Inc.*
P.O. Box 891359, Temecula, CA 92589-1359
Phone: (888) 202-9442
rcginc19@gmail.com

Cindy Sconce, Director, *MGT*
Performance Solutions Group, 3600 American River Drive, Suite 150,
Sacramento, CA 95864

Phone: (916) 276-8807
csconce@mgtconsulting.com

Camille Shelton, Chief Legal Counsel, *Commission on State Mandates*
980 9th Street, Suite 300, Sacramento, CA 95814
Phone: (916) 323-3562
camille.shelton@csm.ca.gov

Carla Shelton, *Commission on State Mandates*
980 9th Street, Suite 300, Sacramento, CA 95814
Phone: (916) 323-3562
carla.shelton@csm.ca.gov

Steve Shields, *Shields Consulting Group, Inc.*
1536 36th Street, Sacramento, CA 95816
Phone: (916) 454-7310
steve@shieldscg.com

Natalie Sidarous, Chief, *State Controller's Office*
Local Government Programs and Services Division, 3301 C Street, Suite 740,
Sacramento, CA 95816
Phone: 916-445-8717
NSidarous@sco.ca.gov

Amy Tang-Paterno, Educational Fiscal Services Consultant, *California Department of Education*
Government Affairs, 1430 N Street, Suite 5602, Sacramento, CA 95814
Phone: (916) 322-6630
ATangPaterno@cde.ca.gov

Jolene Tollenaar, *MGT Consulting Group*
2251 Harvard Street, Suite 134, Sacramento, CA 95815
Phone: (916) 243-8913
jolenetollenaar@gmail.com

Brian Uhler, Principal Fiscal & Policy Analyst, *Legislative Analyst's Office*
925 L Street, Suite 1000, Sacramento, CA 95814
Phone: (916) 319-8328
Brian.Uhler@LAO.CA.GOV

Adam Whelen, Director of Public Works, *City of Anderson*
1887 Howard St., Anderson, CA 96007
Phone: (530) 378-6640
awhelen@ci.anderson.ca.us

Colleen Winchester, Senior Deputy City Attorney, *City of San Jose*
200 East Santa Clara Street, 16th Floor, San Jose, CA 95113

Phone: (408) 535-1987

Colleen.Winchester@sanjoseca.gov

Jacqueline Wong-Hernandez, Deputy Executive Director for Legislative Affairs, *California State Association of Counties (CSAC)*

1100 K Street, Sacramento, CA 95814

Phone: (916) 650-8104

jwong-hernandez@counties.org

Elisa Wynne, Staff Director, *Senate Budget & Fiscal Review Committee*

California State Senate, State Capitol Room 5019, Sacramento, CA 95814

Phone: (916) 651-4103

elisa.wynne@sen.ca.gov

Bruce Yonehiro, Chief Counsel, *California Department of Education*

1430 N Street, Sacramento, CA 95814-5901

Phone: (916) 319-0860

BYonehiro@cde.ca.gov

Helmholt Zinser-Watkins, Associate Governmental Program Analyst, *State Controller's Office*

Local Government Programs and Services Division, Bureau of Payments,
3301 C Street, Suite 700, Sacramento, CA 95816

Phone: (916) 324-7876

HZinser-watkins@sco.ca.gov