

**CUPERTINO SANITARY DISTRICT
SANITARY BOARD MEETING
WEDNESDAY, APRIL 07, 2021**

A_G_E_N_D_A

In accordance with Executive Order N-33-20, meeting to be held at 7:00 p.m. via teleconference [call 1 (866) 899 - 4679 Conference Access Code: 251566821] and anyone interested may also call in. The District Office at 20863 Stevens Creek Blvd, Suite 100, Cupertino is closed.

1. ROLL CALL

2. PUBLIC COMMENTS

THIS PORTION OF THE MEETING IS RESERVED FOR PERSONS DESIRING TO ADDRESS THE BOARD ON ANY MATTER NOT ON THE AGENDA. SPEAKERS ARE LIMITED TO THREE (3) MINUTES.

ALL STATEMENTS REQUIRING A RESPONSE WILL BE REFERRED TO STAFF FOR FURTHER ACTION. IN MOST CASES, STATE LAW WILL PROHIBIT THE BOARD FROM MAKING ANY DECISIONS WITH RESPECT TO A MATTER NOT LISTED ON THE AGENDA.

3. CLOSED SESSION

- A. CONFERENCE WITH LEGAL COUNSEL – EXISTING LITIGATION
in accordance with government code section Paragraph (1) of Subdivision (d) of Section 54956.9, existing litigation. Name of Case: County Sanitation District 2-3, West Valley Sanitation District, Cupertino Sanitary District, Burbank Sanitary District and the City of Milpitas v. The City of San Jose, The City of Santa Clara and Does 1 through 50 inclusive.

4. MINUTES

- A. APPROVAL OF THE MINUTES OF MARCH 17, 2021
- B. APPROVED MINUTES OF MARCH 03, 2021

5. CORRESPONDENCE

NONE

**CUPERTINO SANITARY DISTRICT
SANITARY BOARD MEETING
WEDNESDAY, APRIL 07, 2021**

6. MEETINGS

- A. TELECONFERENCE MEETING OF THE SAN JOSE/SANTA CLARA TREATMENT PLANT ADVISORY COMMITTEE (TPAC) TO BE HELD ON APRIL 8, 2021

7. REPORTS

- A. TELECONFERENCE MEETING OF THE SAN JOSE/SANTA CLARA TREATMENT PLANT TECHNICAL ADVISORY COMMITTEE (TAC) HELD ON APRIL 5, 2021

8. UNFINISHED BUSINESS

- A. COVID-19 UPDATES
- B. SEWER SYSTEM MANAGEMENT PLAN UPDATE

9. NEW BUSINESS

- A. CCTV SOFTWARE ANNUAL SUBSCRIPTION - REQUEST FOR PARTIAL REIMBURSEMENT
- B. METERING STATION EXHAUST FAN REPLACEMENT

10. STAFF REPORT

- A. PLANNING FOR FUTURE DEVELOPMENT PROJECTS

11. CALENDAR ITEMS

- A. NEXT REGULAR DISTRICT BOARD MEETING IS SCHEDULED TO BE HELD ON WEDNESDAY, APRIL 21, 2021

12. ADJOURNMENT

CUPERTINO SANITARY DISTRICT MEETING/EVENT SCHEDULE

APRIL 2021

- 04/05: TAC
- 04/07: 1st Regular Meeting
- 04/08: TPAC
- 04/21: 2nd Regular Meeting

APRIL 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5 TAC	6	7 1 st Regular Meeting	8 TPAC	9	10
11	12	13	14	15	16	17
18	19	20	21 2 nd Regular Meeting	22	23	24
25	26	27	28	29	30	

MAY 2021

- 05/05: 1st Regular Meeting
- 05/11: TAC
- 05/13: TPAC
- 05/19: 2nd Regular Meeting

MAY 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						1
2	3	4	5 1 st Regular Meeting	6	7	8
9	10	11 TAC	12	13 TPAC	14	15
16	17	18	19 2 nd Regular Meeting	20	21	22
23	24	25	26	27	28	29
30	31 MEMORIAL DAY					

JUNE 2021

- 06/02: 1st Regular Meeting
- 06/07: SCCSDA
- 06/08: TAC
- 06/10: TPAC
- 06/16: 2nd Regular Meeting

JUNE 2021						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2 1 st Regular Meeting	3	4	5
6	7 SCCSDA	8 TAC	9	10 TPAC	11	12
13	14	15	16 2 nd Regular Meeting	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, MARCH 17, 2021

The Sanitary Board of the Cupertino Sanitary District convened this date at 7:00 p.m. This meeting was conducted in accordance with the Executive Order N-33-20 via teleconferencing. The District office at 20863 Stevens Creek Blvd, Suite 100, Cupertino was closed.

1. ROLL CALL:

President Saadati called the meeting to order, and the following proceedings were had to wit: Roll call was taken, with the following members in attendance:

Directors present: Angela S. Chen, Taghi S. Saadati, John M. Gatto, William A. Bosworth, and Patrick S. Kwok.

Staff present: District Manager Benjamin Porter, Deputy District Manager Robert Woodhouse, and Counsel Marc Hynes.

District Consultant: Richard Tanaka

Public: None

2. PUBLIC COMMENTS:

There were none.

3. CLOSED SESSION:

President Saadati adjourned the regular meeting session and opened the closed session at 7:03 p.m. Manager Porter and Deputy Manager Woodhouse were excused from the closed session.

- A. Conference with legal counsel – Existing Litigation in accordance with government code section Paragraph (1) of Subdivision (d) of Section 54956.9, existing litigation. Name of Case: County Sanitation District 2-3, West Valley Sanitation District, Cupertino Sanitary District, Burbank Sanitary District, and the City of Milpitas v. The City of San Jose, The City of Santa Clara, and Does 1 through 50 inclusive.

Closed session was adjourned at 7:28 p.m. and the regular meeting was called to order. District Manager Porter and Deputy District Manager Woodhouse rejoined the regular meeting. There was no reportable action.

4. MINUTES & BILLS:

- A. On a motion by Director Gatto, seconded by Director Bosworth, by a vote of 5-0-0 the minutes of Wednesday, March 3, 2021 were approved as written.
- B. By consensus, the Minutes of Wednesday, February 17, 2021 is to be Noted & Filed.
- C. The Board reviewed February payable warrants and financial statements. On a motion by Director Kwok, seconded by Director Gatto, by a vote of 5-0-0, the financial statement and payment of bills were approved as written.

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WEDNESDAY, MARCH 17, 2021

D. Board members will submit their March timesheets to Manager Porter.

5. CORRESPONDENCE:

- A. The Board reviewed City of San Jose – FY21-22 Regional Wastewater Facility Capital Cost Allocation. It is to be Noted & Filed.
- B. The Board reviewed City of San Jose – FY21-22 Revenue Program (O&M Cost). It is to be Noted & Filed.
- C. The Board reviewed LAFCO of Santa Clara County - Notice for the April 7, 2021 LAFCO Public Hearing on its Proposed FY 2022 Budget. It is to be Noted & Filed.

6. MEETINGS:

There are none.

7. REPORTS:

- A. Manager Porter reported on the teleconference meeting of the San Jose/Santa Clara Treatment Plant Technical Advisory Committee (TAC) held on March 9, 2021.
- B. Director Gatto reported on the teleconference meeting of the San Jose/Santa Clara Treatment Plant Advisory Committee (TPAC) held on March 11, 2021.

8. UNFINISHED BUSINESS:

- A. Manager Porter reported on COVID-19 updates.
- B. Manager Porter presented on the Budget Discussion. Manager Porter discussed how management and engineering costs have been higher this year as a result of costs incurred by District staff for work on the SSMP update, the development of the Systemwide I/I Program, correspondence/agreements with other agencies, and the revised rate study methodology.
 - The SSMP update has called for more effort by staff this past year due to new requirements proposed for the new WDR to be published in late 2021.
 - The I/I Program development and planning is crucial as a means to mitigate the impacts of future development on the CuSD sewer system and prevent the future wet weather flows from exceeding the limit required by the District’s agreement with the City of Santa Clara. The I/I Program will account the planned developments in the City by 2040.

The Board suggested that Manager Porter separate these one-time costs and show them as separate line items in the budget. Manager Porter will separate the costs for the SSMP Update and the Systemwide I/I Program on future versions of the budget.

9. NEW BUSINESS:

- A. The Board discussed setting a time and place for a public hearing to consider a rate increase.

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WEDNESDAY, MARCH 17, 2021

The Board requested District Staff to revise the Resolution No. 1327 to indicate that the maximum rate increase for affected customers will not exceed the attached rate schedule shown on Exhibit “A” that includes the proposed revised rates for each user type. On a motion by Director Gatto, seconded by Director Chen, by a vote of 5-0-0, Resolution No. 1327 was approved, setting a public hearing for May 19, 2021 via teleconference.

10. STAFF REPORTS:

- A. Manager Porter reported on Vallco.
 - 1. Director Saadati reported that he received a call from a representative of Vallco Development Group. Director Saadati invited the representative to either discuss with staff or attend a Board meeting to address the Board together.
 - 2. Manager Porter reported that discussions are continuing with Vallco, and District staff will continue to update the Board on any progress in those discussions. The cost of District staff for administration, engineering, and management support of the Vallco project has exceeded the funds provided by the development group and an additional deposit was requested in a letter dated March 4, 2021, which is being discussed.

- B. Manager Porter reported on Future Development Projects. Manager Porter presented a table that listed proposed developments in the City of Cupertino between now and 2040, and the District’s flow projections from those developments.

- C. Deputy Manager Woodhouse reported on I/I Reduction Follow Up. Deputy Manager Woodhouse presented on a Systemwide I/I Program that is designed to reduce wet weather flows in the system by an amount equal to or greater than the peak dry weather flows from new developments planned for Cupertino.

- D. Deputy Manager Woodhouse reported on the Sewer System Management Plan Update. He presented on the SSMP update work that has been completed by District staff. The SSMP update has called for more enhanced use of the District’s ArcGIS, the XPSWMM hydraulic model, and the Lucity maintenance management software to develop a risk-based approach to capital improvement planning that will be required for future updates to the SSMP.

Deputy Manager Woodhouse will present a risk prioritization matrix and ArcGIS maps that show high priority pipes and pump stations in the system at the April 7, 2021 Board meeting. The high-risk assets will be used to prioritize improvements in a revised District 10-year Capital Improvement Plan later this spring.

Deputy Manager Woodhouse presented an update on the proposed new Waste Discharge Requirements to be discussed and approved later this year by the State Water Resources Control Board. A draft compliance strategy was presented for the District’s SSMP update.

- E. Manager Porter reported on the Monthly Maintenance Report.

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, MARCH 17, 2021

11. CALENDAR ITEMS:

The next regular District Board meeting is scheduled to be held on Wednesday, April 7, 2021.

12. ADJOURNMENT:

On a motion properly made and seconded, at 9:43 p.m. the meeting was adjourned.

Secretary of the Sanitary Board

President of the Sanitary Board

Approved

CUPERTINO SANITARY DISTRICT BOARD MEETING WEDNESDAY, MARCH 03, 2021

The Sanitary Board of the Cupertino Sanitary District convened this date at 7:00 p.m. This meeting was conducted in accordance with the Executive Order N-33-20 via teleconferencing. The District office at 20863 Stevens Creek Blvd, Suite 100, Cupertino was closed.

1. ROLL CALL:

President Saadati called the meeting to order and the following proceedings were had to wit: Roll call was taken, with the following members in attendance:

Directors present: Angela S. Chen, Taghi S. Saadati, John M. Gatto, William A. Bosworth, and Patrick S. Kwok.

Staff present: District Manager Benjamin Porter, Deputy District Manager Robert Woodhouse, and Counsel Marc Hynes.

District Advisor: Richard Tanaka

Public: Ashley Barnes

Chad Mosley, City Engineer for City of Cupertino, joined the meeting immediately following the Closed Session.

2. PUBLIC COMMENTS:

Ashley Barnes indicated that she was attending the meeting so she could hear the discussions related to agenda item number 10.

The Board indicated that they would move the agenda item forward to occur after the Closed Session meeting.

3. CLOSED SESSION:

President Saadati adjourned the regular meeting session and opened the closed session at 7:03 p.m. Manager Porter and Deputy Manager Woodhouse were excused from the closed session.

- A. Conference with legal counsel – Existing Litigation in accordance with government code section Paragraph (1) of Subdivision (d) of Section 54956.9, existing litigation. Name of Case: County Sanitation District 2-3, West Valley Sanitation District, Cupertino Sanitary District, Burbank Sanitary District, and the City of Milpitas v. The City of San Jose, The City of Santa Clara, and Does 1 through 50 inclusive.

Closed session was adjourned at 7:26 p.m. and the regular meeting was called to order. District Manager Porter and Deputy District Manager Woodhouse rejoined the regular meeting. There was no reportable action.

Chad Mosley joined the regular meeting.

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, MARCH 03, 2021

10. STAFF REPORTS:

- A. Mr. Nandy Kumar of Vallco contacted Director Chen and requested to speak at a future Board Meeting. Director Chen suggested, with Board concurrence, that discussion of the Vallco Installer's Agreement be adjourned to a meeting when Mr. Kumar can address the entire Board. Manager Porter reported on Vallco including discussion of letters that have been exchanged with Vallco related to a notice of violation that was issued to Vallco as a result of the District's discovery of an excavation at the Vallco Development that exposed a District sewer pipe. The District staff have investigated the exposed pipe and are working with the developer to remedy the situation. The District also requested that Vallco pay fees to the District for continued District engineering reviews and inspection services.

4. MINUTES:

- A. On a motion by Director Gatto, seconded by Director Bosworth, by a vote of 5-0-0 the minutes of Wednesday, February 17, 2021 were approved.
- B. By consensus, the Minutes of Wednesday, February 3, 2021 is to be Noted & Filed.

5. CORRESPONDENCE:

- A. The Board reviewed a letter from CSDA requesting support for the Special Services Provide Essential Services Act. Manager Porter is to prepare and submit letters that support CSDA's positions.

6. MEETINGS:

- A. Manager Porter plans to attend the teleconference meeting of The San Jose/Santa Clara Treatment Plant Technical Advisory Committee (TAC) scheduled to be held March 8, 2021.
- B. Director Gatto plans to attend the teleconference meeting of The San Jose/Santa Clara Treatment Plant Advisory Committee (TPAC) scheduled to be held March 11, 2021.

7. REPORTS:

- A. Director Bosworth reported on the regular teleconference meeting of the Santa Clara County Special Districts Association held on March 1, 2021.

8. UNFINISHED BUSINESS:

- A. Manager Porter reported on the status of Form 700 filing. Manager Porter reported that all District Form 700s have been prepared and submitted.
- B. Manager Porter reported on COVID-19 updates. Public participant, Chad Mosley reported that Santa Clara County has opened up access for vaccinations to essential workers. Access by essential workers is now limited only by the availability of the vaccine at the distribution sites in the County.

CUPERTINO SANITARY DISTRICT BOARD MEETING
WEDNESDAY, MARCH 03, 2021

9. NEW BUSINESS:

- A. The Board reviewed the Preliminary FY 2021-2022 Budget. Manager Porter reported that several projects have been delayed at the San Jose Santa Clara Water Pollution Control Plant, including the dewatering project and the Legacy Lagoons project. As a result, the City of San Jose will be sending lower bills to the District for the remainder of the current fiscal year. The Board asked Manager Porter to take another look at the projected costs for insurance next year, as it was learned at the CSMRA conference that insurance costs are expected to rise next year. Also, consider reducing the costs for elections to zero as there will be no election this year. The Board also asked Manager Porter to review the projected engineering costs and report back to the Board.
- B. Manager Porter presented on the Rate Study Methodology and Revenue. The Board reviewed the summary spreadsheet that displayed all the proposed rate changes for each customer use category and whether the customers were located in the pump zones or non-pump zones of the District. The Board requested Manager Porter to proceed with the rate study using the rates that distribute flows and loads across all customer types, and to include analysis for customers in the pump zones to account for higher cost to operate the pump stations than the gravity sewer systems in the District.
- C. The Board discussed the CASA Conference Call for Abstracts. The Board would like to present to CASA with more experience with the I/I Program and I/I Reduction results in the CUSD system.

10. STAFF REPORTS:

- A. This agenda item was moved up in the agenda to follow item 3. Closed Session.
- B. Manager Porter reported on the flow metering at Homestead metering station.

11. CALENDAR ITEMS:

- A. The next regular District Board meeting is scheduled to be held on Wednesday, March 17, 2021.

12. ADJOURNMENT:

On a motion properly made and seconded, at 8:50 p.m. the meeting was adjourned.

Secretary of the Sanitary Board

President of the Sanitary Board



Memo

Item 9A

To: Board of Directors
From: Benjamin Porter, District Manager-Engineer
Date: April 7, 2021
Re: ANNUAL RENEWAL FOR GRANITE SOFTWARE

Background:

Granite Software from CUES is an asset inspection and decision support software that provides the upgrade path for obtaining all new features, interfaces and enhancements including the flexibility to create many types of inspections in addition to CCTV condition assessments such as cleaning inspections, smoke test inspections, GPS surveys, inclination surveys, and more. Additionally, this software platform offers a User Interface that helps users become proficient.

Renewal Support Plan includes:

- 1 Premium Inspection Software Package
- 1 Office Software License
- Remote Online Technical Support
- Software maintenance and enhancement Release Updates

Mark Thomas owns one user license for GraniteNet and it is licensed to be used in the Cupertino Office to facilitate downloading and cataloguing CCTV videos and PACP reports. Mark Thomas uses the software almost exclusively for Cupertino Sanitary District to analyze the condition of the Cupertino Sanitary District's sanitary sewer system and asset data is synchronized between the field, office and ArcGIS software. The software has the advantage of saving substantial staff time to maintain and synchronize the District's data.

The total cost of the annual renewal cost for this software is \$2,150. Mark Thomas is requesting that the District consider 75% (\$1,612.50) reimbursement to Mark Thomas.

Board Consideration/Action:

Cupertino Sanitary District Board of Directors consider authorizing a reimbursement in the amount of \$1,612.50 to Mark Thomas.

Attachment:

- GraniteNet Software Quote

INVOICE



CUES



Remit To: CUES, Inc.
 P.O. Box 639633
 Cincinnati, OH 45263-9633

3600 Rio Vista Avenue
 Orlando, Florida 32805
 (407) 849-0190 E-Fax (407) 641-9222

Bill To: MARK THOMAS AND COMPANY, INC.
 2833 JUNCTION AVE
 SUITE 110
 SAN JOSE, CA 95134

Ship To: MARK THOMAS AND COMPANY, INC.
 20863 STEVENS CREEK BLVD
 SUITE 100
 CUPERTINO, CA 95014

TODAYS DATE: March 8, 2021
INVOICE DATE: March 8, 2021
INVOICE #: 581898
SALES ORDER #: 000756912
CUSTOMER PO: FRANK QUACH

SALES PERSON: CK
TERMS: NET 30 DAYS
F.O.B.: DESTINATION
WAYBILL NUMBER:
CONTACT: LINH GIANG
PHONE NUMBER: 408-453-5373

Order Date	Bill To #	Terr	Tax	Tax %	Ship To #	Stores	Ship Via
3/2/2021	95112010	183	N	9.00	95112011	CENTRAL	SEE REMARKS

Ln #	SO Ln #	Part # Description	Prod Code	Order Qty	Ship Qty	Bal Due	Tax Rate	Disc %	Price	Amount
001	001	GN536 SOFTWARE,PREMIUM SUPPORT PLAN GNET	PT183	1	1	0	0.00	0.00	1,800.00	1,800.00
002	002	GN538 SOFTWARE,OFFICE SUPPORT PLAN GNET	PT183	1	1	0	0.00	0.00	350.00	350.00
003	003	HANDLING HANDLING CHARGES	IN183	1	1	0	9.00	0.00	0.00	0.00
999	999	FREIGHT CHARGES					0.00			0.00

All Conditions described herein accepted upon receipt of merchandise. No merchandise will be acceptable for return without Material Return Authorization No. on outside of package. All claims and returned goods must be accompanied by this bill. Returned goods subject to 20% restocking charge. No returns on electrical parts or parts once installed. Loss or damaged claims in transit must be made against the carrier by the buyer. Past due invoices are subject to 1.5% per month (18% APR) charge. Customer is responsible for all legal & collection fees. Payments made by credit card may be subject to an additional 3% finance fee at the time of processing.	Sub Total :	2,150.00
	Tax Total :	0.00
	TOTAL DUE >	\$2,150.00

Payment Options:
 Fifth Third Bank, Wire ABA #042000314, ACH ABA #042000314
 Account Name: Cues, Inc. Account #7028939929, SWIFT: FTBCUS3C
 Bank Address: Fifth Third Bank 38 Fountain Square Plaza Cincinnati, OH 45263
 Please email remittance advice to AccountsReivable@cuesinc.com

Remarks:

INVOICE



CUES



Remit To: CUES, Inc.

P.O. Box 639633

Cincinnati, OH 45263-9633

GRANITENET SOFTWARE SUPPORT PLAN RENEWAL
CONFIRMING ONLY

INSP

502169

OFFICE

504683

SUPPORT PLAN STARTS

FEBRUARY 24, 2021

AND ENDS

FEBRUARY 25, 2022

****DO NOT LET COVERAGE LAPSE - A \$2500

REINSTATEMENT FEE PER ENHANCED LICENSE WILL BE

ASSESSED IN ADDITION TO THE COST OF LAPSED

SUPPORT PLAN CHARGES.****

****DO NOT LET COVERAGE LAPSE - A \$500

REINSTATEMENT FEE PER OFFICE INSPECTION LICENSE

WILL BE ASSESSED IN ADDITION TO THE COST OF

LAPSED SUPPORT PLAN CHARGES.****



Memo

Item 9B

To: Board of Directors

From: Benjamin Porter, District Manager-Engineer

Date: April 7, 2021

Re: CuSD Flume Metering Station Exhaust Fan Replacement

Background:

The CuSD Flow Metering Station is an 18-inch Parshall flume located in the intersection of Homestead Road and Swallow Drive and accessed from the sidewalk on the southeast corner of the intersection. The fan is used for circulating air and preventing gas and moisture built up and corrode the wall surface and equipment inside this channel. Upon servicing the flow meter sensor, staff observed that the exhaust fan motor is not functioning properly. This exhaust fan unit needs to be restored to maintain good working and serviceable condition of the flume station.



Required Work:

Staff has obtained from Hartzell the cost for a replacement fan and an estimate from St-Francis Electric to perform this work. The cost to purchase a new unit will be \$9,563.00 excluding tax and shipping. The labor cost for St-Francis Electric to perform the work to remove and replace the old unit with a new unit and connect the electrical components based on time and materials (T&M) is estimated at \$5,000. Because this work requires confined space entry and traffic control, we have budgeted \$6,000 to support St-Francis Electric in this capacity. The total estimate for the work is \$21,400.

Recommendation:

Staff recommends proceeding with replacement of the exhaust fan at the Flume Metering station with a budgeted repair cost of \$21,400.

Attachment:

- 1) Hartzell Cost Proposal

*Good Enough
Never Is™*



Hartzell Proposal Number: AM-91331-12
 Rep Proposal Number: H031821-1JM
 Rep Code: 44PH
 R0

PROPOSAL NAME	DATE OF INQUIRY	DATE OF PROPOSAL	DATE PROPOSAL EXPIRES
Copy of HAM-48139	3/18/2021	3/22/2021	3/28/2021

THIS PROPOSAL VALID UNTIL MARCH 28, 2021 UNLESS OTHERWISE NOTED

TO _____, CA Phone: _____ **PROPOSAL**
 Fax: _____
 e-Mail: _____

Item #	Item Name	Qty	Proposed Price
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- Item # 1 is a duplicate of your existing fan.
- Item #2 is sending back your replacement motor you purchased with your existing fan at your cost. The motor you purchased will not fall under our Hartzell Warranty.
- Item #3 is a size larger of fan, with a 14" wheel. But has a 3 phase motor.
- Item #4 is a belt driven fan with a 14" wheel. A 3 phase motor has been quoted.

Please take measurements of the opening and space to see what fan will fit into your location. Also please make sure the electrical there will work with the fan provided.

Item #1	Fan Selection: A42-4-12--F100FGFQGC 42 - Fiberglass Pressure Blower Tag: Performance Volume Flow Rate: 745.0 cfm SP: 0.5 in. w.g. / TP: 2.08 in. w.g. RPM: 1750.0 Density: 0.075 lbs/ft ³ Operating Temp: 70 °F OPwr: 0.534 hp / SPwr: 0.534 hp Motor Operating Voltage: 115 Factory quoted motor, see below for details.	1	\$8,900.00
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Fan

Arrangement: 4
Rotation and Discharge: Up Blast (Clockwise)
Motor Position: Standard
Material: Fiberglass
Construction: Standard
Fan Coating: Standard
Prop/Wheel: F - Radial Centrifugal Wheel - Fiberglass
Prop/Wheel Coating: 510A
Additional Accessories
Drain, Fiberglass w/ PVC Plug (Factory Installed)
Extended Lube Lines to Motor Bearings, 316SS
316SS Hardware to Complete Fan
Teflon Double Lip Seal w/ purge option in a 316SS Casing
Drilled Outlet Flange, Standard Pattern
Weather Cover, Steel - Inorganic Zinc Coating w/Epoxy Topcoat

AW225048-M

HP: 1.5, RPM: 1750, Volts: 115, Hertz: 60, Phase: 3
Enclosure: TEFC, Frame Size: 56, 1 Speed / 1 Winding
Special Features: Drill Rig Mill and Chem Explosion
Vendor: Baldor, Vendor P/N: 3104-0420-B, Vendor Lead Time:
Extended Electrical Leads: None, Extended Lube Lines:No
GV107477-I-1
Name and Size: Price add for motor base weldment to be 316 SS Construction
Reference Series and Size: A42-4-14--F100FGFQIC, **Reference Number:** 1720192

GV107477-I-2

Name and Size: 316 SS Weather Cover
Reference Series and Size: A42-4-14--F100FGFQIC, **Reference Number:** 1720192

***Extended Lube Lines to Motor Bearings apply only to relubricable motors.
Total Weight (approx.): 99 lbs. (Each) (quoted items are not included in the weight.)
Weight Note: The weight of the motor is not included.

Item #2 **Factory Quoted Item:** 1 \$1,277.00
AW225065-I
Name and Size: COST TO REPLACE MOTOR FROM 1720192.
Description and Dimensions: CUSTOMER WILL SHIP FAN AND CUSTOMER SUPPLIED MOTOR
BACK TO HARTZELL
Reference Series and Size: a42-4-12
Reference Number: 1720192

Item #3 **Fan Selection:** 1 \$9,563.00
A42-4-14--F100FGFQL2
42 - Fiberglass Pressure Blower
Tag:
Performance
Volume Flow Rate: 1200.0 cfm
SP: 1.0 in. w.g. / TP: 3.29 in. w.g.
Drive System: VFD - Sub-Synchronous Speed with Motor Derated to Fan Speed
RPM: 2241.0
Density: 0.075 lbs/ft^3
Operating Temp: 70 °F
OPwr: 1.975 hp / SPwr: 1.975 hp
Motor
Operating Voltage: 460
Factory quoted motor, see below for details.
Fan
Arrangement: 4
Rotation and Discharge: Up Blast (Clockwise)
Motor Position: Standard
Material: Fiberglass
Construction: Standard
Fan Coating: Standard
Prop/Wheel: F - Radial Centrifugal Wheel - Fiberglass
Prop/Wheel Coating: 510A
Standard Accessories (Included)
Teflon Double Lip Seal in a 316SS Casing
Additional Accessories
Drain, Fiberglass w/ PVC Plug (Factory Installed)
Extended Lube Lines to Motor Bearings, 316SS
316SS Hardware to Complete Fan
Drilled Outlet Flange, Standard Pattern



AW225070-M

HP: 5, RPM: 3450, Volts: 230/460, Hertz: 60, Phase: 3
Enclosure: TEFC, Frame Size: 145T, 1 Speed / 1 Winding
Special Features: MARINE DUTY EXPLOSION PROOF CLASS 1 GRP D, CLASS 2 GRP F&G
IEEE45

Vendor: BALDOR, Vendor P/N: DRX18524T, Vendor Lead Time:
Extended Electrical Leads: None, Extended Lube Lines:No

AW225070-I-1

Name and Size: ADDER: MOTOR BASE WELDMENT TO BE 316 SS CONSTRUCTION

Material of Construction: 316SS, **Coating:**

Reference Series and Size: A42-0-12--F100FGFXIC, **Reference Number:**

AW225070-I-2

Name and Size: ADD: 316 SS WEATHER COVER

Material of Construction: 316 SS, **Coating:**

Reference Series and Size: A42-0-12--F100FGFXIC, **Reference Number:**

*****Extended Lube Lines to Motor Bearings apply only to relubricable motors.**

Total Weight (approx.): 99 lbs. (Each) (quoted items are not included in the weight.)

Weight Note: The weight of the motor is not included.

Item #4

Fan Selection:

A42-0-14--F100FGMXK3

42 - Fiberglass Pressure Blower

Tag:

Performance

Volume Flow Rate: 1200.0 cfm

SP: 1.0 in. w.g. / TP: 3.29 in. w.g.

RPM: 2241.0

Density: 0.075 lbs/ft^3

Operating Temp: 70 °F

OPwr: 1.975 hp / SPwr: 1.975 hp

Motor

HP: K - 3 HP

RPM/Volt/Hz/Phase: 3 - 1750, 230/460, 60, 3

Enclosure: MX - Marine Duty, Explosion Proof, Class 1 Group C & D

Frame Size: 182T

Drive Option: Multiple Groove Fixed Pitch

Operating Voltage: 460

Vendor: BALDOR

Fan

Arrangement: 10

Rotation and Discharge: Up Blast (Clockwise)

Motor Position: Standard

Material: Fiberglass

Construction: Standard

Fan Coating: Standard

Prop/Wheel: F - Radial Centrifugal Wheel - Fiberglass

Prop/Wheel Coating: 510A

Standard Accessories (Included)

Water Slinger

304SS Hardware to Fan Airstream Only

Additional Accessories

Drain, Fiberglass w/ PVC Plug (Factory Installed)

Extended Lube Lines to Fan Bearings, 316SS

304SS Shaft

Teflon Shaft Seal

Drilled Outlet Flange, Standard Pattern

AW225162-I-1

Name and Size: ADDER: MOTOR BASE WELDMENT TO BE 316 SS CONSTRUCTION

Reference Series and Size: A42-0-14--F100FGMXK3, **Reference Number:**

AW225162-I-2

Name and Size: ADD: 316 SS WEATHER COVER

Total Weight (approx.): 209 lbs. (Each) (quoted items are not included in the weight.)

1

\$8,663.00

Proposal Total

\$28,403.00

Freight Comment:



IMPORTANT NOTICE PLEASE READ

The safe application and use of equipment supplied by Hartzell Air Movement. is the responsibility of the installer, user, owner, and employer. To evaluate the safe application of this equipment, the following should be considered: the location of the installation, accessibility of employees and other persons to the equipment, and adjacent equipment, applicable building and safety codes, and requirements of OSHA.

Since the application and use of its equipment can vary greatly, Hartzell Air Movement. offers various product types, optional safety accessories, and sound performance data per laboratory tests. An industry publication: Recommended Safety Practices for Users and Installers of Industrial and Commercial Fans is available from Hartzell upon request.

Payment Terms: Net 30 Days with Approved Credit
Hartzell Air Movement [Terms and Conditions](#).

This proposal prepared by and any resulting
purchase orders are to be sent to:

Hartzell Air Movement in care of:

J.E. Phillips Co

Jenny Marshall

J.E. Phillips Co

24930 Washington Avenue #743

Murrieta, CA 92564

Phone: 310-837-6173 x 105

Fax: 310-837-6177

e-Mail: jmarshall@jephillipsco.com

Thank You

J.E. Phillips Co

Jenny Marshall

Estimated Lead Time: 7-9 Weeks ARO (SUBJECT TO CONFIRMATION AT TIME OF ACCEPTANCE)

Ex. Works

Payment Terms: Net 30 Days with Approved Credit

